

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

Project Site: <u>MARBLE RUN WIND FARM</u>	Date: <u>10/9/09</u>
Applicant/Owner: <u>MARBLE RUN LLC</u>	County: <u>Clinton</u>
Investigator: <u>DEBRAUNY, DPPERISANO</u>	State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WETLAND</u> Transect ID: <u>OH6013</u> Plot ID: <u>SSI</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

VEGETATION PSSIDENW

Plant Community Classification: Percent Canopy Cover: Tree: 10 Shrub: 40 Herb: 80 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>NANNY BERRY</u>	<u>S</u>	<u>FAC</u>	9. <u>RED MAPLE</u>	<u>S/T</u>	<u>FAC</u>
2. <u>MEADOW SWEET</u>	<u>S</u>	<u>FAC</u>	10. <u>RIBES SP</u>	<u>S</u>	<u>---</u>
3. <u>STEEPLE BUSH</u>	<u>S</u>	<u>FACW</u>	11. <u>CORTEX SP</u>	<u>H</u>	<u>---</u>
4. <u>INTERMED FERN</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>GLYCECIA SP</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>SPHAGNUM</u>	<u>H</u>	<u>OBL*</u>	14.		
7. <u>SOFT RUSH</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>GRAY RUSH</u>	<u>S/T</u>	<u>FAC</u>	16.		

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

Remarks: Historic Logging Rd. (RUTON) - Disturbed mesic Area
OBL* PREVIOUSLY OBLIGATE include some unkm Humus

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>DEPRESSURE</u> <u>RUTON</u> <u>ARDA</u> <u>Photo 35 -> NORTH</u>	

Date: 10/9/09
 Community ID: WERAND
 Plot ID: OH6013

SOILS

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

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Isolated? Yes <input checked="" type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Remarks		
W/ is mapped wetland connected to OH6014		

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

Project Site: <i>MARBLE ROCK WIND FARM</i> Applicant/Owner: <i>MARBLE ROCK LLC</i> Investigator: <i>DEANUNTY, JOPPEN, SAND</i>	Date: <i>10/19/09</i> County: <i>Clinton</i> State: <i>NEW YORK</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <i>UPLAND</i> Transect ID: <i>OH6013</i> Plot ID: <i>SS2</i>

VEGETATION *UPLAND DECID. FOREST*

Plant Community Classification:	Tree: <i>75</i>	Shrub: <i>70</i>	Herb: <i>25</i>	Vine: <i>0</i>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. RED maple	TIS	FAC	9.		
2. GRAY Birch	TIS	FAC	10.		
3. SERVICE berry	S	FAC-	11.		
4. CLUB moss	H	FAC	12.		
5. RUNCH BERRY	H	FAC-	13.		
6. <i>WOOD PINE</i>	H	FAC+	14.		
7. <i>CO. HICK. BIRCH</i>	S	FAC-	15.		
8. <i>NAMYBERRY</i>	S	FAC	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>7110</i> <i>7090</i>					
Remarks: <i>FAC Dominant</i>					

HYDROLOGY

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

Date: 10/19/09
 Community ID: upland
 Plot ID: 046013-SSQ

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A	5YR 3/3	=	=	Silty clay
4-8	B	10YR 5/3	=	=	CLAY

Hydro Soil Indicators

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input 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:
 REUSO AT 8"
 VERY SUNY

WETLAND DETERMINATION

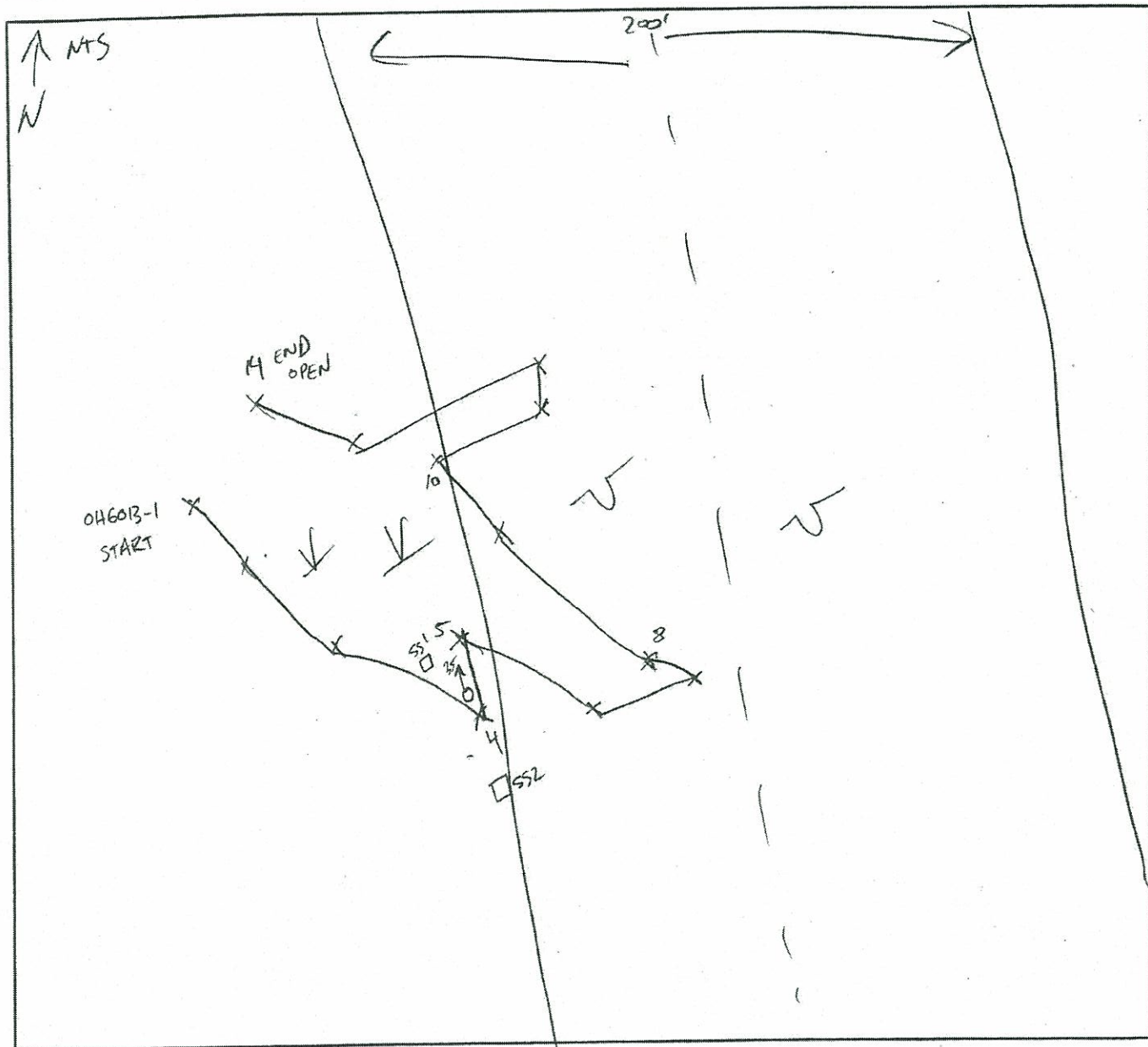
FAC DOMINATED

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

Remarks

WETLAND SKETCH FORM

Wetland ID/ Route #: 0H6013	Date: 10-9-09	Location: MR OH Main (Gravel)
Initials of Delineators: DO, RD	Photo ID & Direction: 35 N	



Legend:			
	Wetland		Sample Station
	Upland		Flag
	Centerline		North Arrow
	Photo Location & Direction		Perennial Stream
			Intermittent Stream
			Culvert

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

Project Site: <u>MARLBIE RIVER WIND FARM</u> Applicant/Owner: <u>MARLBIE RIVER LLC</u> Investigator: <u>DELAUNY, OPPELAND</u>	Date: <u>10/9/02</u> County: <u>Olinston</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETVAB</u> Transect ID: <u>0460142</u> Plot ID: <u>SS1</u>

VEGETATION OLD LOG RD - DSS/PEM

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>10</u> Shrub: <u>60</u> Herb: <u>25</u> Vine:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>V. ALBIM FR</u>	<u>+15</u>	<u>FAC</u>	9.		
2. <u>RED MAPLE</u>	<u>+15</u>	<u>FAC</u>	10.		
3. <u>GRAY BIRCH</u>	<u>5</u>	<u>FAC</u>	11.		
4. <u>S. PALM MUSH</u>	<u>H</u>	<u>OBL*</u>	12.		
* 5. <u>SOFT RUGL</u>	<u>H</u>	<u>FACW</u>	13.		
* 6. <u>G. HYALIN SP</u>	<u>H</u>	<u>OBL</u>	14.		
7. <u>N. N. H. H.</u>	<u>5</u>	<u>FAC</u>	15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>100%</u>					
Remarks: <u>OBL* - PRESUMED OBLIGATE - MESSY FO WETLANDS</u> <u>SCATTERED</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: <u>RS</u> Primary Indicators: <input checked="" type="checkbox"/> Inundated - in Ruts. <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>4" in Ruts</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>PROTS 36 => NORTH</u>	

Date: 10/9/09
 Community ID: OH 60143
 Plot ID: 581

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A1	10 YR 2/2	—	—	Silt loam w/ organics
4-8	A2	2.5 Y 2.5/1	—	—	Silty clay
8-14	B	10 YR 6/1	5 YR 4/4	common (medium) disc.	clay cl
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Isolated? Yes	No
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland? Yes No	
Hydric Soils Present?	Yes	No		
Remarks				
<p>MAPPED HYDRIC WETLANDS</p>				

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

Project Site: <u>MAURIE RIVER LUTIS FARM</u>	Date: <u>10/9/09</u>
Applicant/Owner: <u>MAURIE RIVER LLC</u>	County: <u>Orlean</u>
Investigator: <u>DELAHUNTY, DANIELA</u>	State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>UPLA15</u> Transect ID: Plot ID: <u>OH 6014B</u> <u>SC2</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? (If needed, explain on reverse.) <input type="radio"/> Yes <input checked="" type="radio"/> No	

VEGETATION

Coarcted TFW

Plant Community Classification:	Tree: <u>70</u>	Shrub: <u>25</u>	Herb: <u>10</u>	Vine: <u>0</u>	
Percent Canopy Cover:					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. KAIAWA TREE	T/S/H	FAC	9.		
2. TIRAZKO TREE	H	FACU	10.		
3. Low bush blue	S	FACU-	11.		
4. Bunchberry	H	FAC-	12.		
5. GRASS herb	T/S	FAC	13.		
6. RED maple	T/S	FAC	14.		
7. NARROW leaf	S	FAC	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>811</u> <u>73%</u>					
Remarks: <u>FAC & FACU DOMINATED SPECIES</u>					

HYDROLOGY

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

Date: 10/19/09
 Community ID: UPLAND
 Plot ID: OH6014TB-852

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-9	A	10YR 8/1	—	—	Silt w/ sand
9-18	B	5YR 3/4	—	—	Silt clay - silty
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Isolated? Yes No	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)**

10/9/09

Project Site: <u>MARBLE RIVER WIND FARM</u>	Date: <u>10/19/09</u>
Applicant/Owner: <u>MARBLE RIVER LLC</u>	County: <u>Clinton</u>
Investigator: <u>DELAHUNTY, OPREKIND</u>	State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WETLAND</u> Transect ID: <u>046D14C</u> Plot ID: <u>551</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? (If needed, explain on reverse.) <input type="radio"/> Yes <input checked="" type="radio"/> No	

VEGETATION PFO/PSS/DEM

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>35</u> Shrub: <u>40</u> Herb: <u>70</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. SP HAG MUM	H	OBL*	9. MEADOW SWEET	S	FAC+
2. NARROW BELLY	S	FAC-	10. GYCEM SP	H	OBL
3. STRICK BELLY	S	FAC-	11.		
4. RED MILE	TIS	FAC-	12.		
5. GRAY BIRD	TIS	FAC-	13.		
6. CAREY SP	H	-	14.		
7. HEMLOCK	T	FACW	15.		
8. INTERLATER PORN	H	FAC-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>9/11</u> <u>82%</u>					
Remarks: <u>OBL* PRESUMED OBLIGATE</u>					
<u>MESIC PFO WETLAND</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input checked="" type="checkbox"/> Inundated <u>in DEPRESSIONS</u> <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>UNDULATING TPO</u> <u>PLOTS 37 & 38 SATUR</u>	

Date: 10/9/09
 Community ID: OH6014C
 Plot ID:

SS-1

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-3	A ₁	5YR 3/3	—	—	Silt w/ organics
3-6	A ₂	2.5Y 2.5/1	—	—	Silty clay
6-18	B	10YR 5/1	—	—	SANDY CLAY

Hydro Soil Indicators

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

WETLAND DETERMINATION

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

Remarks

MAPPED HYDRIC WETLAND

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

Project Site: <u>MARBLE RIVER WMS FORM</u>	Date: <u>019109</u>
Applicant/Owner: <u>MARBLE RIVER LLC</u>	County: <u>CLINTON</u>
Investigator: <u>DELAHUNTY, DANIEL MD</u>	State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>UPLAND</u> Transect ID: <u>6H6014C</u> Plot ID: <u>552</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

VEGETATION Conifer FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>20</u> Herb: <u>40</u> Vine: <u>—</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>TAIWA</u>	<u>T1S1</u>	<u>I+</u>	9.		
2. <u>RAVENS</u>	<u>H</u>	<u>FACU</u>	10.		
3. <u>TRACEMEN</u>	<u>H</u>	<u>FAC</u>	11.		
4. <u>CLUB</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>WOOD</u>	<u>I+</u>	<u>FAC</u>	13.		
6. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	14.		
7. <u>LOW BLUE</u>	<u>S</u>	<u>FACU</u>	15.		
8			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>719</u> <u>7890</u>					
Remarks: <u>FAC & FACU Dominant</u>					

HYDROLOGY

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

Date: 10/19/09
 Community ID: OH6014C
 Plot ID:

SS2

SOILS

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

Profile Description: Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/Contrast	Texture, Concretions, Structure, etc.
0-4	A	10YR 2/1			
4-8	B ₁	7.5YR 4/4			Silt loam w/ DRG arcs
8-18	B ₂	7.5YR 5/3			Silty clay CLAY
					O

Hydro Soil Indicators

<input type="checkbox"/> Histosol	<input type="checkbox"/> Concretions
<input type="checkbox"/> Histic Epipedon	<input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils
<input type="checkbox"/> Sulfidic Odor	<input type="checkbox"/> Organic Streaking in Sandy Soils
<input type="checkbox"/> Aquic Moisture Regime	<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

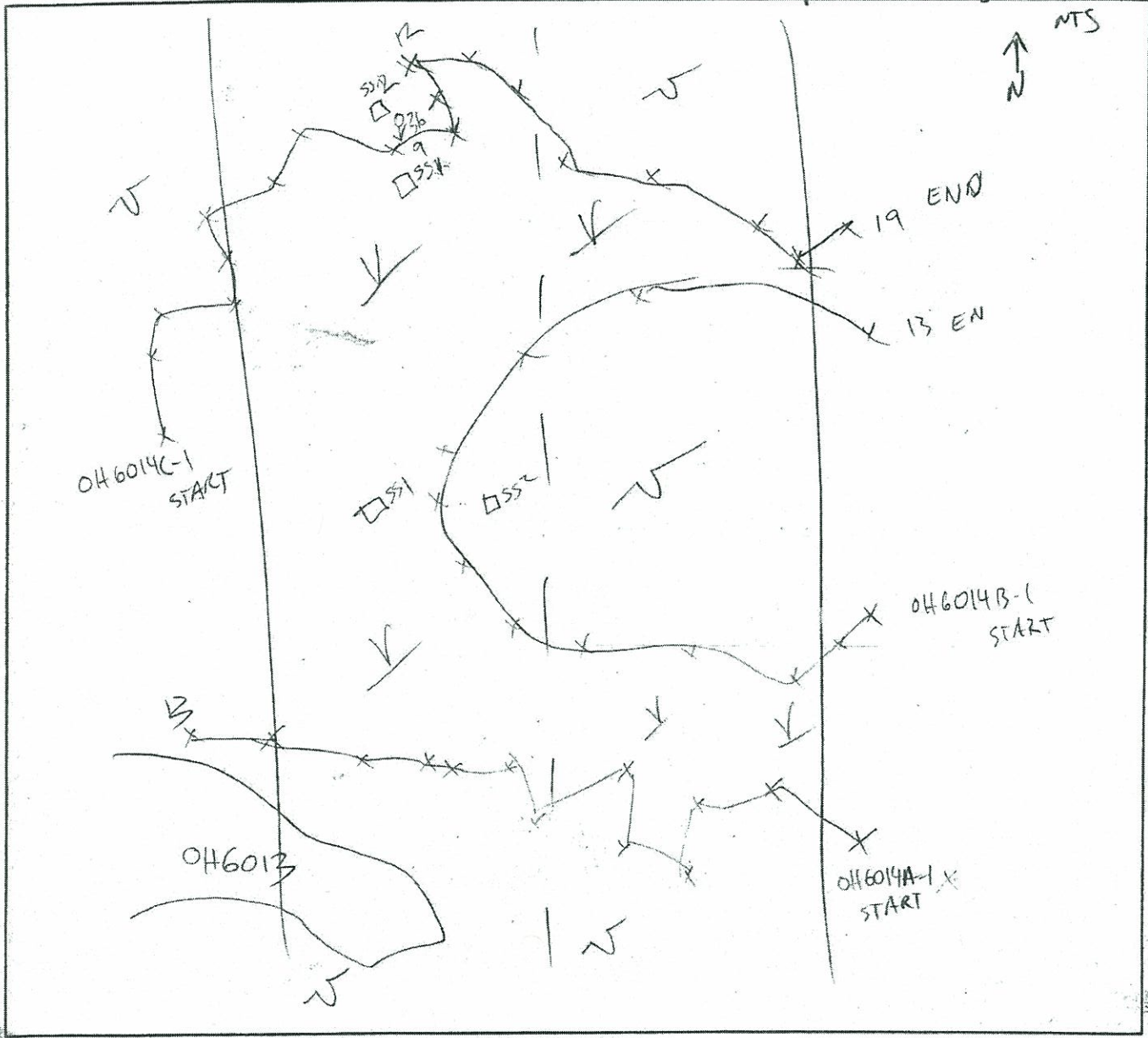
FAE & FAC DOMINANT

Hydrophytic Vegetation Present?	Yes No	Isolated? Yes No	N/A
Wetlands Hydrology Present?	Yes No	Is this Same Location Point Within a Wetland?	Yes No
Hydric Soils Present?	Yes No		

Remarks

WETLAND SKETCH FORM

Wetland ID/ Route #: OH 6014 A/B/C	Date: 10-9-09	Location: ME OH Main Corridor
Initials of Delineators: RD, DO	Photo ID & Direction: Photo 36 => N2 OH6014 Photo 37 => S2 OH6014	



Legend:			
	Wetland		Sample Station
	Upland		Flag
	Centerline		North Arrow
	Perennial Stream		Intermittent Stream
	Photo Location & Direction		Culvert

Extension of WETLANDS AREA AIRB

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

Project Site: MARBLE RIVER WOOD FARM Applicant/Owner: MARBLE RIVER LLC Investigator: DELANEY DRABISKO	Date: 10/9/09 County: Clinton State: NEW YORK
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: WETLANDS Transect ID: OH 6015 AIRB Plot ID: SSI

VEGETATION PFD IPENW

Plant Community Classification: Percent Canopy Cover: Tree: 35 Shrub: 5 Herb: 80 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. RED MAPLE	T	FAC	9.		
2. YELLOW BIRCH	T/S	FAC	10.		
3. CINNAMON FERN	H	FACW	11.		
4. JEWELWEED	H	FACW	12.		
5. SENSITIVE FERN	H	FACW	13.		
6. GREEN ASH	T	FACW	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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 checked="" 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.): 0"	
Remarks: ASSOCIATED W/ STREAM PAVED 39' → NW	

Date: 10/19/09
 Community ID: OH6015 A13
 Plot ID: 551

SOILS

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

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Isolated?	Yes	No
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland?	Yes	No
Hydric Soils Present?	Yes	No			
Remarks					
- ASSOCIATED W/ STREAM - MAPPED IN 1992 WETLANDS					

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

Project Site: <i>MARBLE RILL WITH FARM</i> Applicant/Owner: <i>MORRIS RIVER LLC</i> Investigator: <i>REATHY, JAMES</i>	Date: <i>10/19/09</i> County: <i>Clinton</i> State: <i>NEW YORK</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>UPLM1</i> Transect ID: <i>OH6015 A13</i> Plot ID: <i>552</i>

VEGETATION

Plant Community Classification: Percent Canopy Cover: Tree: <i>85</i> Shrub: <i>40</i> Herb: <i>5</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>SUGAR MAPLE</i>	<i>T</i>	<i>FACU-</i>	9.		
2. <i>AMER BEECH</i>	<i>TIS</i>	<i>FACU</i>	10.		
3. <i>ROSLAR FIR</i>	<i>S</i>	<i>FAC</i>	11.		
4. <i>WOOD BIRCH</i>	<i>H</i>	<i>FAC+</i>	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>215</i> <i>40910</i>					
Remarks:					

HYDROLOGY

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

Date: 10/9/09
 Community ID: OH6015 A/B
 Plot ID: 552

SOILS

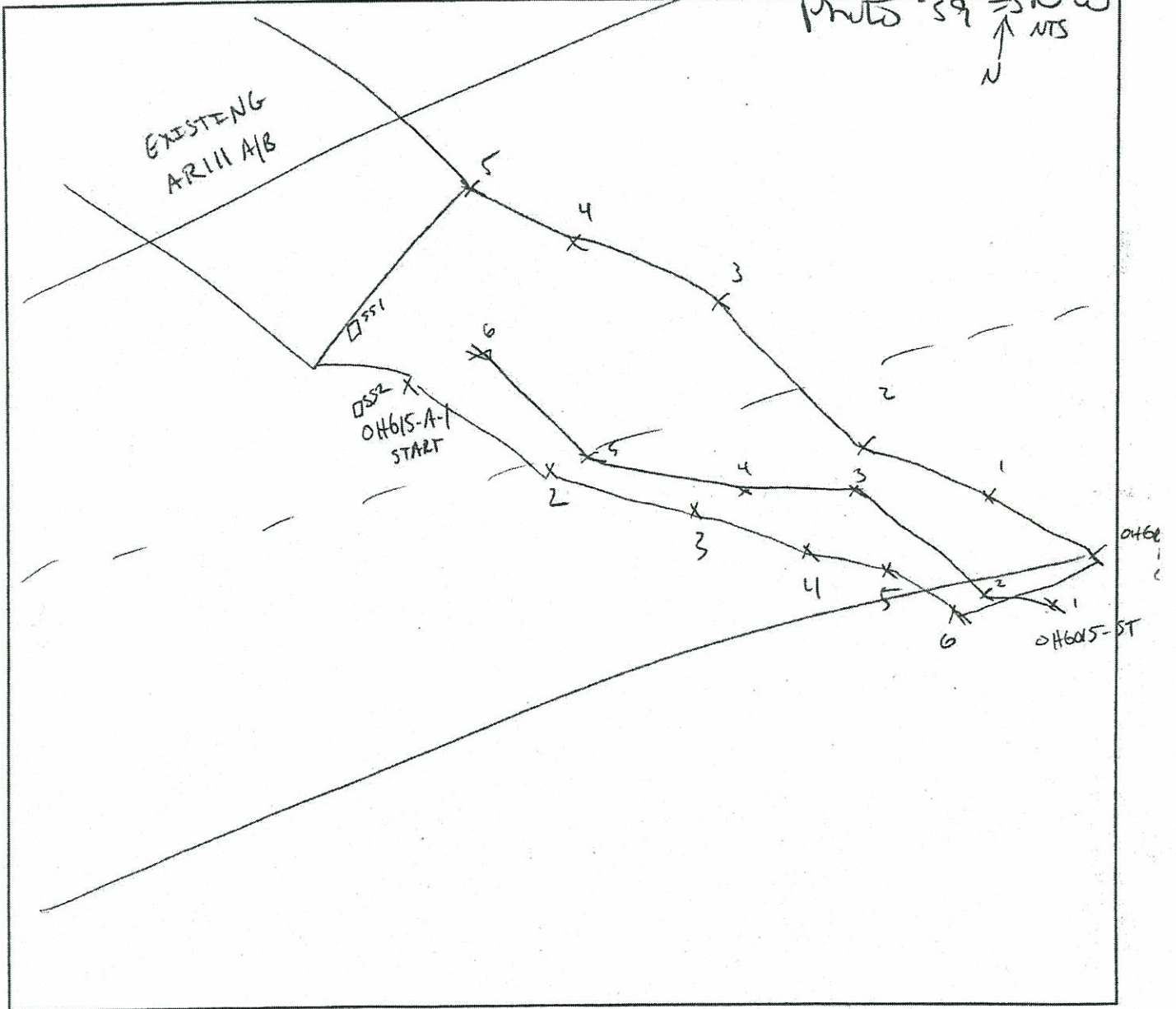
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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

WETLAND DETERMINATION

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

WETLAND SKETCH FORM

Wetland ID/ Route #: OH6015 A/B	Date: 10-9-09	Location: MA OH MAZN Corridor
Initials of Delineators: RD, DO	Photo ID & Direction: Photo 38 ↗ NW Photo 39 ↗ NW ↑ N	



Legend:			
	Wetland		Sample Station
	Upland		Flag
	Centerline		North Arrow
	Photo Location & Direction		Perennial Stream
			Intermittent Stream
			Culvert

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

Project Site: <u>MARSH RIVER WIND FARM</u>	Date: <u>10/12/09</u>
Applicant/Owner: <u>MARSH RIVER LLC</u>	County: <u>Clinton</u>
Investigator: <u>DELAHUNTY, ADRIAN</u>	State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>WEBRANIS</u> Transect ID: <u>OH6016A/B</u> Plot ID: <u>SS1</u>
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	

VEGETATION PFO/PEM / PEM

Plant Community Classification: <u>P</u>					
Percent Canopy Cover: Tree: <u>40</u> Shrub: <u>10</u> Herb: <u>40</u> Vine: <u>0</u> <u>DEAD</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Fowl meadow</u>	<u>H</u>	<u>FACW</u>	9. <u>CAREX OSTRIBA</u>	<u>H</u>	<u>ORL</u>
2. <u>Spartan</u>	<u>H</u>	<u>FACW</u>	10. <u>GLYCERIA SP.</u>	<u>H</u>	<u>ORL</u>
3. <u>JOB PINE WOOD</u>	<u>H</u>	<u>FACW</u>	11. <u>TROPICANUS</u>	<u>H</u>	<u>ORL</u>
4. <u>NORWAY LASH GRASS</u>	<u>H</u>	<u>FAC</u>	12.		
5. <u>JEWEL WOOD</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>FOUR SP.</u>	<u>H</u>	<u>ORL</u>	14.		
7. <u>MEDICINAL WOOD</u>	<u>S</u>	<u>FACT</u>	15.		
8. <u>ASTOR SP.</u>	<u>H</u>	<u>—</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>(100%)</u>					
Remarks: <u>NOTE: Sub B OH6018B-5</u> <u>FOREST BOTTOM</u> <u>- Saturated H</u> <u>- Amer Elm T</u> <u>- Sensitive Tree H</u> <u>- Green ash T</u> <u>- N. Blueberry</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Photo 26 => SE of PFO/PEM</u> <u>Photo 27 => NW of PEM 1 SS1</u> <u>PEM B-5 (Saturated)</u>	

Date: 10/21/09
 Community ID: OH6016A7-SS1
 Plot ID:

Wetland

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-12	A	10YR2/1	—	—	Silt, clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: Refuse at 12"					

WETLAND DETERMINATION

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

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

Project Site: MARINE RIVER WIND FARM	Date: 10/12/09
Applicant/Owner: MARINE RIVER LLC	County: CANTON
Investigator: DELAHUNTY, OPPEBYND	State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: UPLANDS Transect ID: OH6016A13 Plot ID: 550
Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" 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 UPLANDS DECIDUOUS

Plant Community Classification:					
Percent Canopy Cover: Tree: 70 Shrub: 10 Herb: 10 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. SUGAR MAPLE	T	FACU	9. HICKORY	S	FACU-
2. RED MAPLE	T	FAC	10.		
3. PINE TREES	S	FACW	11.		
4. GRAY BIRCH	T/S	FAC	12.		
5. MEADOW SWEET	S	FAC+	13.		
6. P. STEMMED BIRD	H	FAC-	14.		
7. TRAIL SWAMP	S	FACU-	15.		
8. PINE SP	H	-	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 51% (56%)					
Remarks: FAC & FACU DOMINANT.					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input 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.):	n/a
Remarks:	

Date: 10/12/09
 Community ID: UDIAND
 Plot ID:

OH 6016A1B-552

SOILS

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

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

Hydro Soil Indicators

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

Remarks:

Refusal at 12"

WETLAND DETERMINATION

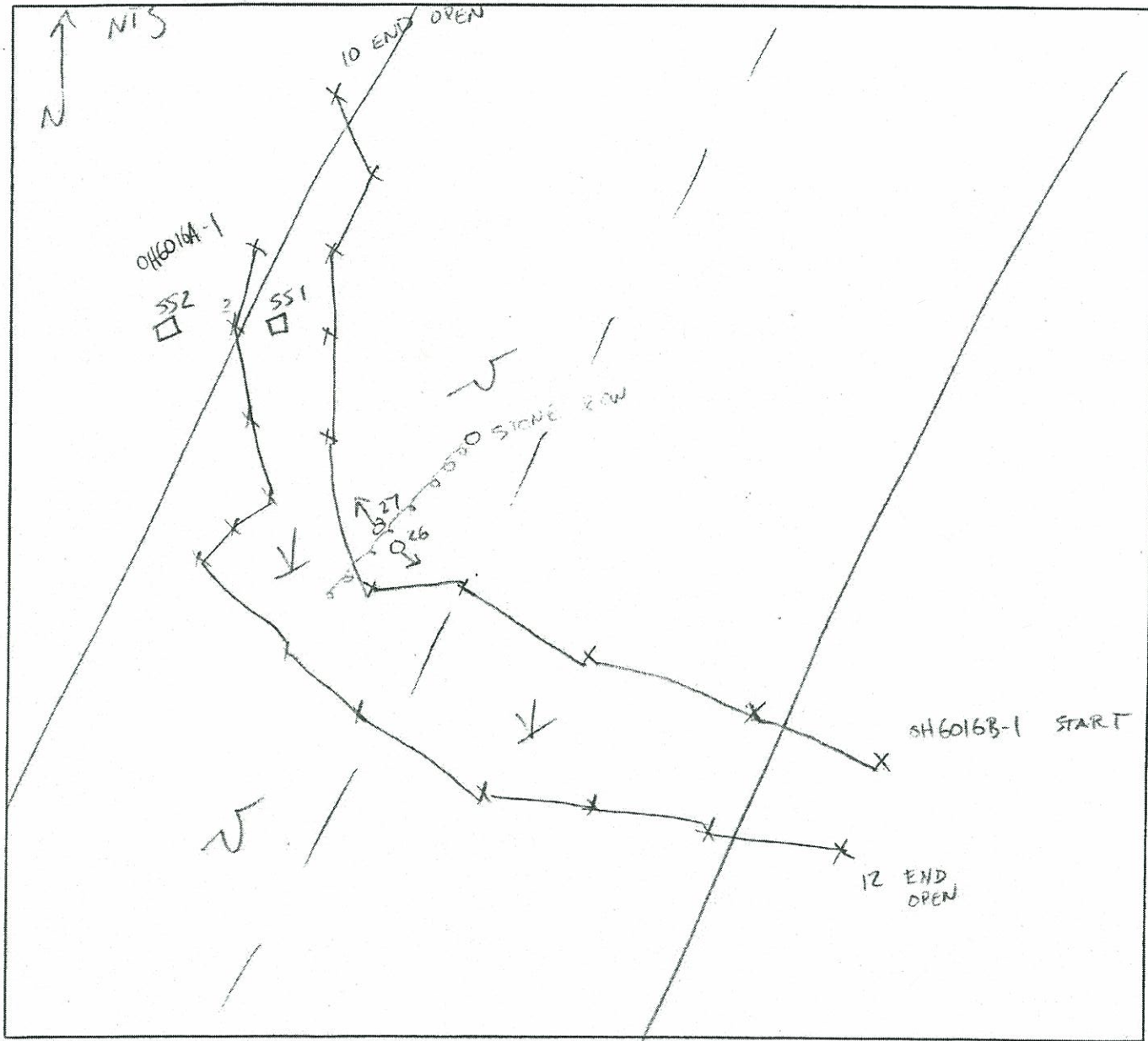
FAC & FACU DOMINANT

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

Remarks

WETLAND SKETCH FORM

Wetland ID/ Route #: OH6016A/B	Date: 10-11-09	Location: MR 04 Main Corridor
Initials of Delineators: RD, DO	Photo ID & Direction: 26 SE, 27 NW	



Legend:

- | | | | | | |
|--|----------------------------|--|----------------|--|---------------------|
| | Wetland | | Sample Station | | Perennial Stream |
| | Upland | | Flag | | Intermittent Stream |
| | Centerline | | North Arrow | | Culvert |
| | Photo Location & Direction | | | | |

EXTENDED (REVISED WETLAND) AREA

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

Project Site: MARBLE RIVER WIND TOWER Applicant/Owner: MARBLE RIVER LLC Investigator: DELAMATER, DANIEL J.	Date: 10/10/09 County: Clinton State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: WETLANDS Transect ID: DH6020A13 Plot ID: 551

VEGETATION *PEM*

Plant Community Classification:						
Percent Canopy Cover: Tree: 10 Shrub: 10 Herb: 95 Vine: 0						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. GLYCOLIA S.P.	H	OBL	9. AMER. ELM	T	FACW	
2. JEWELWEED	H	FACW	10.			
3. SCARLET TERN	H	FACW	11.			
4. N. BUGLEWEED	H	OBL	12.			
5. A. TERNFLY	H	OBL	13.			
6. MEADOWSWEET	S	FAC	14.			
7. WILLOW HERB	H	OBL	15.			
8. RED TOP	T	FAC	16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%						
Remarks: * ON 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 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 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.): 0"	
Remarks: - DEPRESSIONAL SWALE - MAPPED WETLANDS - PHOTO 8 → SOUTH	

Date: 10/10/09
 Community ID: WERAND
 Plot ID: OH6020 A1B -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	A1	7.5 YR 4/1	7.5 YR 4/4	common / medium / distinct	silty clay
6-8	A2	7.5 YR 4/1	7.5 YR 2.5/1	many / coarse / distinct	silty clay
8-14	B	7.5 YR 6/1	7.5 YR 4/6	few / fine / faint	clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: REFUSAL AT 14"					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Isolated?	Yes	No
Wetlands Hydrology Present?	Yes	No	Is this Sample Station Point Within a Wetland?		
Hydric Soils Present?	Yes	No	Yes No		
Remarks mapped WERAND (NW1)					

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

Project Site: <u>MARLBIE RIVER WIND TUNNEL</u>	Date: <u>10/10/09</u>
Applicant/Owner: <u>MARLBIE RIVER LLC</u>	County: <u>COLUMBIA</u>
Investigator: <u>DELAHUNTY, OPREZISANO</u>	State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <u>UPLANDS</u> Transect ID: <u>046020 A13</u> Plot ID: <u>SS2</u>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? (If needed, explain on reverse.) <input checked="" type="radio"/> Yes <input type="radio"/> No	

VEGETATION UPLAND DECIDUOUS FOREST

Plant Community Classification:					
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>20</u> Herb: <u>20</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SUBALTERNIA</u>	<u>T13/H</u>	<u>FACU</u>	9.		
2. <u>AMER BEECH</u>	<u>T13</u>	<u>FACU</u>	10.		
3. <u>SASPICILLA</u>	<u>H</u>	<u>UPL*</u>	11.		
4. <u>WHOLEA ASTER</u>	<u>H</u>	<u>UPL*</u>	12.		
5. <u>YELLOW BIRCH</u>	<u>T</u>	<u>FAC</u>	13.		
6. <u>WOOD FERN</u>	<u>H</u>	<u>FAC</u>	14.		
7.			15.		
8.			16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>2/19</u> (22%)					
Remarks: <u>UPL* PRESUMED UPLAND SPECIES.</u>					

HYDROLOGY

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

Date: 10112109
 Community ID: OH6020 A13
 Plot ID:
 SSR

SOILS

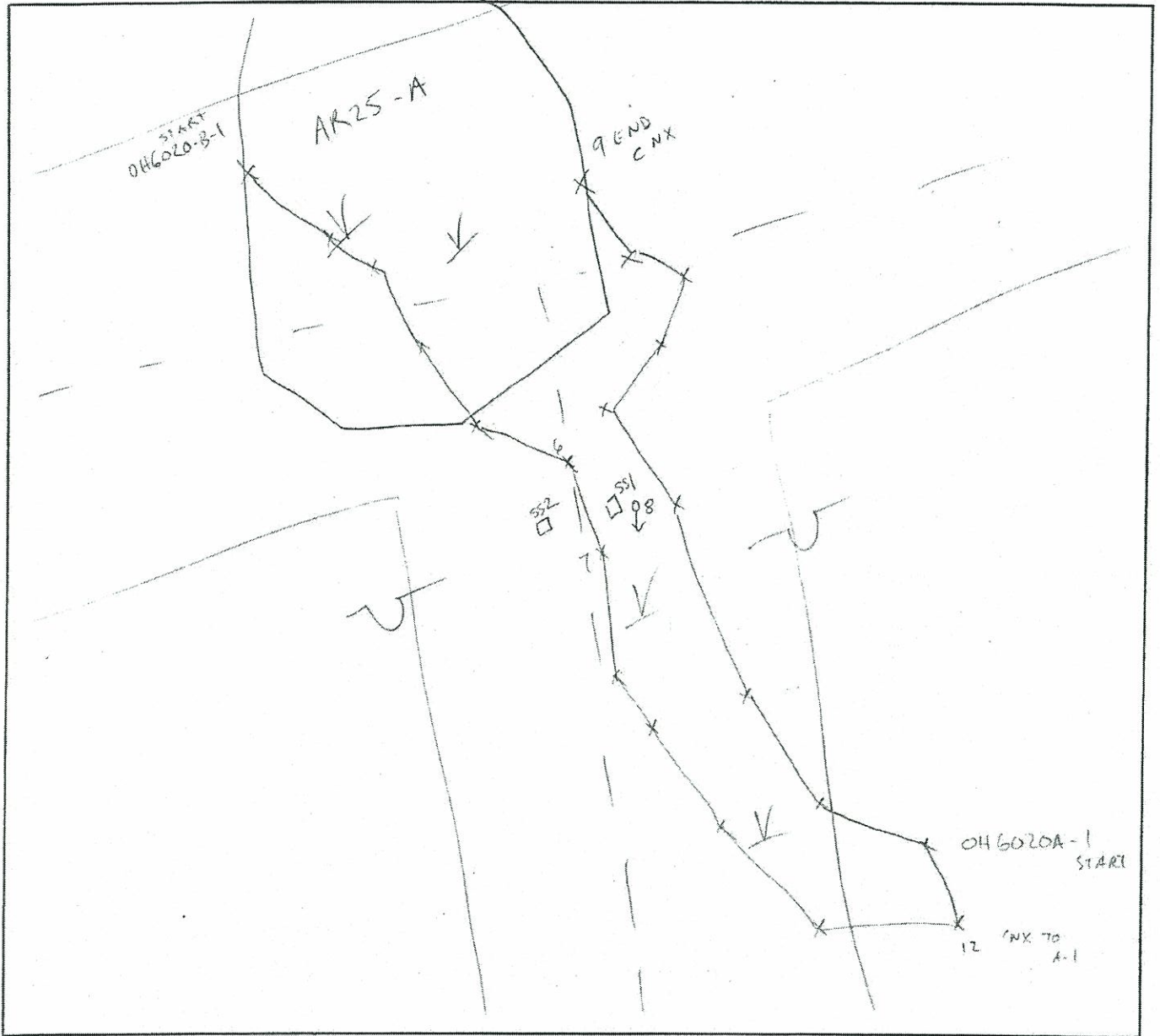
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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











WETLAND DETERMINATION

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

WETLAND SKETCH FORM

Wetland ID/ Route #: 046020 A/B	Date: 10-10-09	Location: MR 04 Palmdale Station 3
Initials of Delineators: RD, DO	Photo ID & Direction: 85	



Legend:			
	Wetland		Sample Station
	Upland		Flag
	Centerline		North Arrow
	Photo Location & Direction		Perennial Stream
			Intermittent Stream
			Culvert

PATRIQUE
005-2

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

Project Site: <u>MARIE RIVER WIND TARM</u> Applicant/Owner: <u>MARIE RIVER LLC</u> Investigator: <u>DELAIVAN, OPREJIAN</u>	Date: <u>10/11/09</u> County: <u>Clinton</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <u>Yes</u> No Is the site significantly disturbed (Atypical Situation)? Yes <u>No</u> Is the area a potential Problem Area? Yes <u>No</u> (If needed, explain on reverse.)	Community ID: <u>UP1M15</u> Transect ID: <u>0H6024</u> Plot ID: <u>SS1</u>

VEGETATION

PERM (ISDIATED)

Plant Community Classification:
Percent Canopy Cover: Tree: 590 Shrub: 0 Herb: 95 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>FAD MADONIA GRM</u>	<u>H</u>	<u>FACW</u>	9. <u>CAREX CRINITA</u>	<u>H</u>	<u>ORL</u>
2. <u>ARROW WEED</u>	<u>H</u>	<u>ORL</u>	10. <u>White MTH</u>	<u>T</u>	<u>FACW</u>
3. <u>Willow herb</u>	<u>H</u>	<u>ORL</u>	11. <u>Bone set</u>	<u>H</u>	<u>FACW</u>
4. <u>Soft Rush</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>Jewelweed</u>	<u>H</u>	<u>FACW</u>	13.		
6. <u>MARIE LEAF GRM</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>CAREX SCOPULOA</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>GRN. BULLRUSH</u>	<u>H</u>	<u>ORL</u>	16.		

Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 10/11 91%

Remarks: EDGE OF STONE ROW

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <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 type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): <u>N/A</u> Depth to Free Standing Water in Pit (in.): <u>N/A</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>Run-off From Saturated fields / Logging Area</u>	

Photo 18 => NORTH AT SS1

Date: 10/11/09
 Community ID: wetland
 Plot ID: OH 6024-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	7.5YR 4/1	—	—	Silty CIA *
12-18	D	10Y 5/2	—	—	Sandy CIA
Hydro Soil Indicators					
<input type="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: * Oxidized Rhizospheres					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Isolated?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Wetlands Hydrology Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sample Station Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present?	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Remarks No inlet or outlet NOT mapped			

7/27/09
0062

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

Project Site: <u>MARBLE RIVER WIND PALM</u> Applicant/Owner: <u>MARBLE RIVER LLC</u> Investigator: <u>DELAHUNTY, JAMESISANO</u>	Date: <u>10/11/09</u> County: <u>Clinton</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Upland</u> Transect ID: <u>OH6024</u> Plot ID: <u>552</u>

VEGETATION

UPLAND DECIDUOUS FOREST

Plant Community Classification: Percent Canopy Cover: Tree: <u>70</u> Shrub: <u>30</u> Herb: <u>40</u> Vine: <u>0</u>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>Bilkcherry</u>	<u>T/S</u>	<u>FACU</u>	9.			
2. <u>GRAY BIRCH</u>	<u>T/S</u>	<u>FAC</u>	10.			
3. <u>R. STAMEN & ROD</u>	<u>H</u>	<u>FAC</u>	11.			
4. <u>TRAMMIE</u>	<u>H</u>	<u>—</u>	12.			
5. <u>DEAKER HABENT</u>	<u>S</u>	<u>FACU-</u>	13.			
6. <u>SUBALMARE</u>	<u>S</u>	<u>FACU</u>	14.			
7. <u>WIND PALM</u>	<u>H</u>	<u>FAC</u>	15.			
8			16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>41%</u> <u>50%</u>						
Remarks:						

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	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.):	<p><u>NONE</u></p>
Remarks:	

Date: 10/11/09
 Community ID: upland
 Plot ID:

OH6024-SS2

SOILS

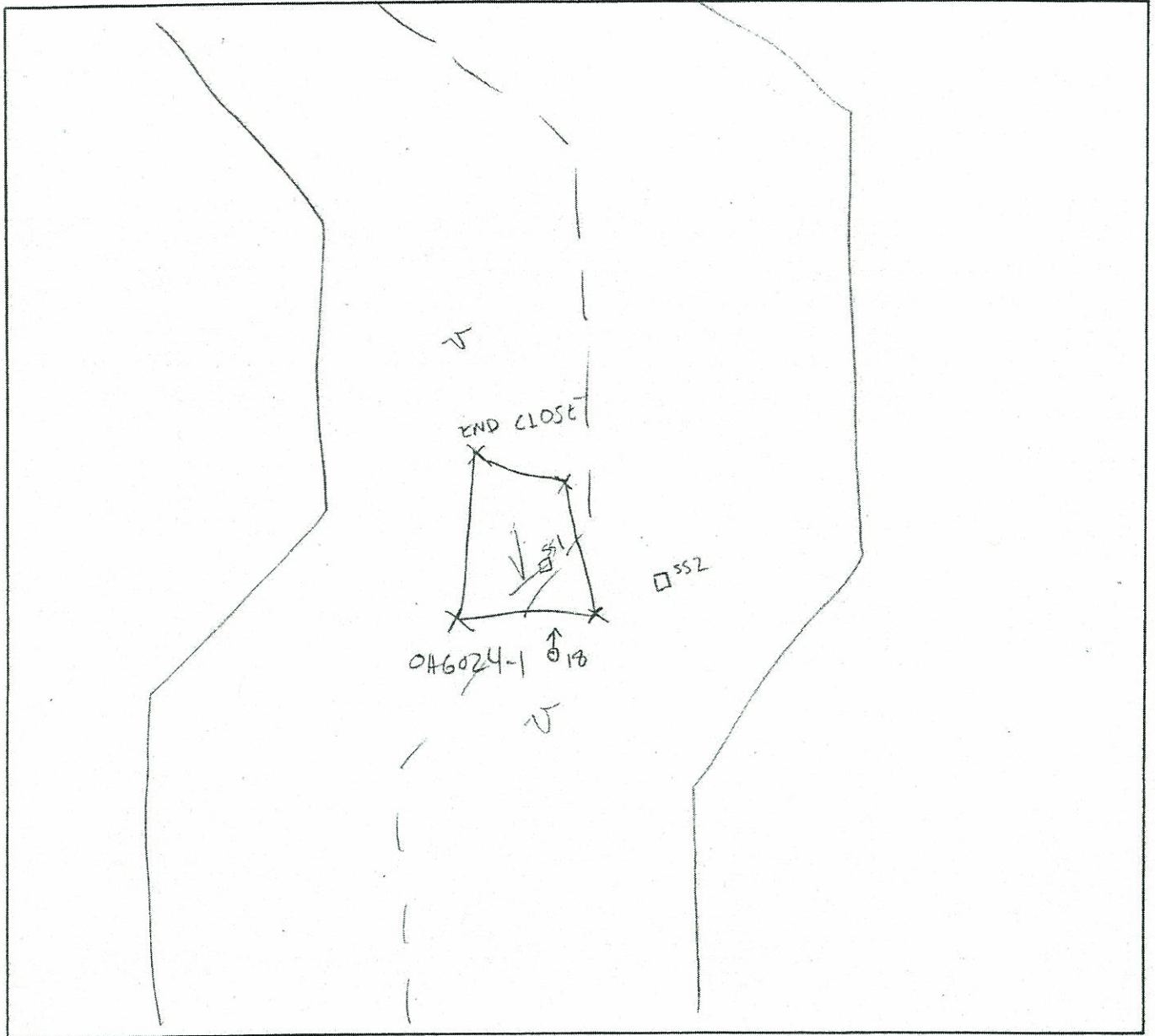
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.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

WETLAND DETERMINATION

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

WETLAND SKETCH FORM

Wetland ID/ Route #: 046024	Date: 10-11-09	Location: MR OH Parade option 2
Initials of Delineators: RD, DO	Photo ID & Direction: 18 N	



Legend:			
	Wetland		Sample Station
	Upland		Flag
	Centerline		North Arrow
	Photo Location & Direction		Perennial Stream
			Intermittent Stream
			Culvert

PATRICK
OPEN 2

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

Project Site: MARSH RIVER WIND FARM	Date: 10/11/09
Applicant/Owner: MARSH RIVER LLC	County: Clinton
Investigator: DELAMONTE, JONAS	State: NEW YORK
Do Normal Circumstances exist on the site? Yes <input checked="" type="radio"/> No <input type="radio"/>	Community ID: WETLAND Transect ID: OH6025A Plot ID: SS1
Is the site significantly disturbed (Atypical Situation)? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Is the area a potential Problem Area? Yes <input type="radio"/> No <input checked="" type="radio"/> (If needed, explain on reverse.)	

VEGETATION

PSS1 PERM

Plant Community Classification:					
Percent Canopy Cover: Tree: 5 Shrub: 50 Herb: 85 Vine: 0					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silky dogwood	S	FACW	9. Meadow Sweet	S	FACT
2. Flat Top Aster	H	FACW	10. MOUNTAIN SWEET	H	OBL
3. CAROLINA CRICKET	H	OBL	11.		
4. SENSITIVE FERN	H	FACW	12.		
5. Silky willow	S	OBL	13.		
6. NARROW LEAVED GRASS	H	FAC	14.		
7. AMERICAN	T	FACW	15.		
8. GLYCERIA SP.	H	OBL	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 100%					
Remarks: *white ditch					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <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 checked="" type="checkbox"/> FAC-Neutral Test <input checked="" type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water (in.): 4" in places Depth to Free Standing Water in Pit (in.): 8" Depth to Saturated Soil (in.): 0"	
Remarks: maps NW 1/4 NY DEC wetlands BURCHASED TREE TANKS	

Photo 19 of WNW AT SS1

Date: 10/11/09
 Community ID: wetland
 Plot ID: 0H6025A-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	10YR3/1	—	—	Silt + w/ORGANICS
12-18	B	7.5YR2/1	—	—	Silt/clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

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

PATRICK 0052

**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>DELAHUNTI ORGANIZATION</u>	Date: <u>10/11/09</u> County: <u>CLINTON</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPLAND</u> Transect ID: <u>OH6025A</u> Plot ID: <u>552</u>

VEGETATION UPLAND DECIDUOUS FOREST

Plant Community Classification:						
Percent Canopy Cover: Tree: <u>80</u> Shrub: <u>75</u> Herb: <u>10</u> Vine: <u>0</u>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>SUGAR MAPLE</u>	<u>T/S/H</u>	<u>FACU</u>	9.			
2. <u>RIK CHERRY</u>	<u>T/S</u>	<u>FACU</u>	10.			
3. <u>Q ASPEN</u>	<u>T</u>	<u>FACU</u>	11.			
4. <u>R.S. GOLDEN ROD</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>1/7</u> <u>1490</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>none</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/11/09
 Community ID: UP1M1
 Plot ID:

OH6025A-SSK

SOILS

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

WETLAND DETERMINATION

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

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

Project Site: <i>MARBLE RIVER WIND FARM</i>	Date: <i>10/11/09</i>
Applicant/Owner: <i>MARBLE RIVER LLC</i>	County: <i>Clinton</i>
Investigator: <i>DELAHUNTY, ODIE SAFO</i>	State: <i>NEW YORK</i>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No	Community ID: <i>WETLAND</i> Transect ID: <i>OH602515</i> Plot ID: <i>SSI</i>
Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	

VEGETATION *PSS / PDM*

Plant Community Classification:					
Percent Canopy Cover: Tree: <i>0</i> Shrub: <i>75</i> Herb: <i>90</i> Vine: <i>0</i>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <i>Silky Willow</i>	<i>S</i>	<i>OBL</i>	9. <i>small leaved grass</i>	<i>H</i>	<i>FAC</i>
2. <i>CAREX CRINITA</i>	<i>H</i>	<i>OBL</i>	10. <i>Willow herb</i>	<i>H</i>	<i>OBL</i>
3. <i>SEMI-ELFERN</i>	<i>H</i>	<i>FACW</i>	11. <i>Purple Cypripedium</i>	<i>H</i>	<i>FACW</i>
4. <i>TROPIC Willow</i>	<i>S</i>	<i>FACW</i>	12.		
5. <i>POWDERM</i>	<i>H</i>	<i>FACW*</i>	13.		
6. <i>GLYCYLLIA sp.</i>	<i>H</i>	<i>OBL</i>	14.		
7. <i>CAREX SCARPATA</i>	<i>H</i>	<i>FACW</i>	15.		
8. <i>CAREX LUNATA</i>	<i>H</i>	<i>OBL</i>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <i>10/11</i> <i>91%</i>					
Remarks:					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns In Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" 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>Photo 20 → East AT SSI</i>	

Date: 10/11/09
 Community ID: WELAND
 Plot ID: 0H6025B-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	10YR2/1	—	—	Silt clay
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors			<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)		
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes No	Isolated? Yes No
Wetlands Hydrology Present?	Yes No	Is this Sample Station Point Within a Wetland? Yes No
Hydric Soils Present?	Yes No	
Remarks		
<p>MAPPED NYSDEC & NWI WETLANDS</p>		

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

Project Site: <u>MARLBIE RIVER WIND FARM</u> Applicant/Owner: <u>MARLBIE RIVER LLC</u> Investigator: <u>DELAHUNTY, OPPELJANO</u>	Date: <u>10/11/09</u> County: <u>Clinton</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UP1000</u> Transect ID: <u>0H60257B</u> Plot ID: <u>552</u>

VEGETATION

MID SUCCESSIONAL

Plant Community Classification:						
Percent Canopy Cover: Tree: <u>25</u> Shrub: <u>75</u> Herb: <u>40</u> Vine: <u>0</u>						
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. <u>WYME RD</u>	<u>S</u>	<u>FACW</u>	9. <u>GRASS</u>	<u>H</u>	<u>—</u>	
2. <u>BLACK OAK</u>	<u>TISH</u>	<u>FACU</u>	10. <u>GRASS</u>	<u>H</u>	<u>—</u>	
3. <u>MARSH SWAMP</u>	<u>S</u>	<u>FAC</u>	11. <u>UPPER</u>	<u>H</u>	<u>FACU</u>	
4. <u>NARROW LEAF</u>	<u>S</u>	<u>FAC</u>	12.			
5. <u>SILVERBERRY</u>	<u>S</u>	<u>FAC-</u>	13.			
6. <u>GRAY HICK</u>	<u>T</u>	<u>FAC</u>	14.			
7. <u>APPLE</u>	<u>T</u>	<u>UPL*</u>	15.			
8. <u>TRIAL</u>	<u>H</u>	<u>FACU</u>	16.			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>4/11</u> 36%						
Remarks: <u>UPL* PRESUMED UPLAND SPECIES.</u>						

HYDROLOGY

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

Date: 10/11/07
 Community ID: 001210
 Plot ID:

04602573-52

SOILS

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

Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-8	A	10YR3/2	—	—	Silt clay 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:
 Refuse water at 8"
 VERY STAY

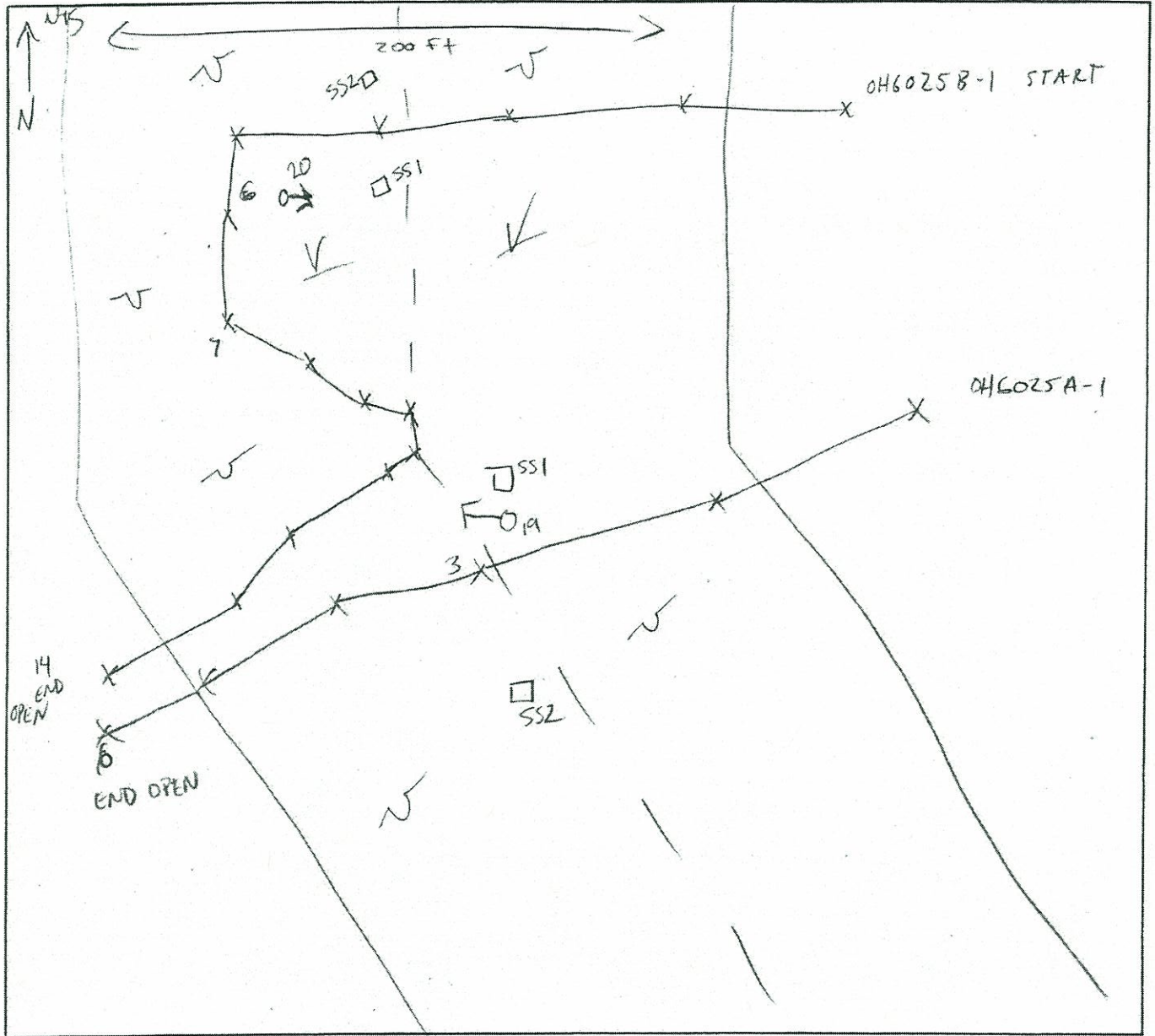
WETLAND DETERMINATION

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

Remarks

WETLAND SKETCH FORM

Wetland ID/ Route #: OH6025A/B	Date: 10-11-09	Location: MR OH Patnode option 2
Initials of Delineators: RD, DO	Photo ID & Direction: 19 WNW, 20 E	



Legend:			
	Wetland		Sample Station
	Upland		Flag
	Centerline		North Arrow
	Photo Location & Direction		Perennial Stream
			Intermittent Stream
			Culvert

Patrone
option 2

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>DELANUATI, OPREKSAKO</u>	Date: <u>10/11/09</u> County: <u>CLAYTON</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input checked="" type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>WETLAND</u> Transect ID: Plot ID: <u>016026A</u> <u>SSI</u>

VEGETATION PSS1PEM

Plant Community Classification:
Percent Canopy Cover: Tree: 0 Shrub: 70 Herb: 80 Vine: 0

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SPECKLED ANODE</u>	<u>S</u>	<u>FACW</u>	9. <u>Sm. white MATEL</u>	<u>H</u>	<u>FACW</u>
2. <u>Glyceria sp.</u>	<u>H</u>	<u>OBL</u>	10. <u>Willow herb</u>	<u>H</u>	<u>OBL</u>
3. <u>CATTAIL</u>	<u>H</u>	<u>OBL</u>	11. <u>SENSITIVE FERN</u>	<u>H</u>	<u>FACW</u>
4. <u>N. JUGLEWOOD</u>	<u>H</u>	<u>OBL</u>	12.		
5. <u>WATER HEMLOCK</u>	<u>H</u>	<u>OBL</u>	13.		
6. <u>NARROW LEAFED GRASS</u>	<u>H</u>	<u>FAC</u>	14.		
7. <u>ARROW LEAFED TERNFLOR</u>	<u>H</u>	<u>OBL</u>	15.		
8. <u>IRIS sp</u>	<u>H</u>	<u>OBL</u>	16.		

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

Remarks:

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input checked="" type="checkbox"/> No Recorded Data Available	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 checked="" 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>12"</u> Depth to Saturated Soil (in.): <u>0"</u>	
Remarks: <u>- mapped NYSDEC / NWT wetlands</u> <u>* (EPA) on lake & log</u>	

Date: 10/11/09
 Community ID: WETLAND
 Plot ID:

OH 6026A-SS1

SOILS

Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-2	A ₁	10YR 3/1	-	-	Silt & Organics
2-16	A ₂	7.5YR 4/1	-	-	CLAY
16-18	A ₃	7.5YR 3/1	-	-	CLAY LOAM
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input checked="" type="checkbox"/> Sulfidic Odor <input checked="" type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes <input checked="" type="radio"/> No <input type="radio"/>	Isolated? Yes <input type="radio"/> No <input checked="" type="radio"/>
Wetlands Hydrology Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	Is this Sample Station Point Within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soils Present?	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks		
<p>MAPPED N45DEC1 NWE WETLANDS</p> <p>PHOTO 21 ⇒ E AT SS1</p> <p>PHOTO 22 ⇒ W AT SS2</p>		

PAWAUDE
Option 2

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

Project Site: MARBLE RIVER WIND FARM Applicant/Owner: MARBLE RIVER LLC Investigator: DELAMONTE, OPREKISKO	Date: 10/11/09 County: Otsego State: NEW YORK
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: UPIAND Transect ID: OH60Z6A Plot ID: 552

VEGETATION MARBLE SUGAR MAPLE FOREST

Plant Community Classification: Percent Canopy Cover: Tree: 90 Shrub: 15 Herb: 5 Vine: 0																																																						
<table border="1"> <thead> <tr> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> <th>Dominant Plant Species</th> <th>Stratum</th> <th>Indicator</th> </tr> </thead> <tbody> <tr> <td>1. SUGAR MAPLE</td> <td>T/S</td> <td>FACW</td> <td>9.</td> <td></td> <td></td> </tr> <tr> <td>2. AMERICAN BEECH</td> <td>H/S</td> <td>FACW</td> <td>10.</td> <td></td> <td></td> </tr> <tr> <td>3. WILK CHERRY</td> <td>T/S</td> <td>FACW</td> <td>11.</td> <td></td> <td></td> </tr> <tr> <td>4. WOOD PEAR</td> <td>H</td> <td>FAC</td> <td>12.</td> <td></td> <td></td> </tr> <tr> <td>5. VIOLET GRASS</td> <td>H</td> <td>—</td> <td>13.</td> <td></td> <td></td> </tr> <tr> <td>6.</td> <td></td> <td></td> <td>14.</td> <td></td> <td></td> </tr> <tr> <td>7.</td> <td></td> <td></td> <td>15.</td> <td></td> <td></td> </tr> <tr> <td>8.</td> <td></td> <td></td> <td>16.</td> <td></td> <td></td> </tr> </tbody> </table>	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	1. SUGAR MAPLE	T/S	FACW	9.			2. AMERICAN BEECH	H/S	FACW	10.			3. WILK CHERRY	T/S	FACW	11.			4. WOOD PEAR	H	FAC	12.			5. VIOLET GRASS	H	—	13.			6.			14.			7.			15.			8.			16.		
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator																																																	
1. SUGAR MAPLE	T/S	FACW	9.																																																			
2. AMERICAN BEECH	H/S	FACW	10.																																																			
3. WILK CHERRY	T/S	FACW	11.																																																			
4. WOOD PEAR	H	FAC	12.																																																			
5. VIOLET GRASS	H	—	13.																																																			
6.			14.																																																			
7.			15.																																																			
8.			16.																																																			
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 17 1470																																																						
Remarks: LITTLE UNDERSTUDY																																																						

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <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.):	<div style="font-size: 4em; text-align: center;">) NIA</div>
Remarks:	

Date: 10/11/09
 Community ID: UPRM15
 Plot ID:

OH6026A-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.
0-4	A	10YR 4/2	—	—	Silt clay w/ organic
4-14	B	7.5YR 4/3	—	—	Silty CLAY

Hydro Soil Indicators

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

Remarks:

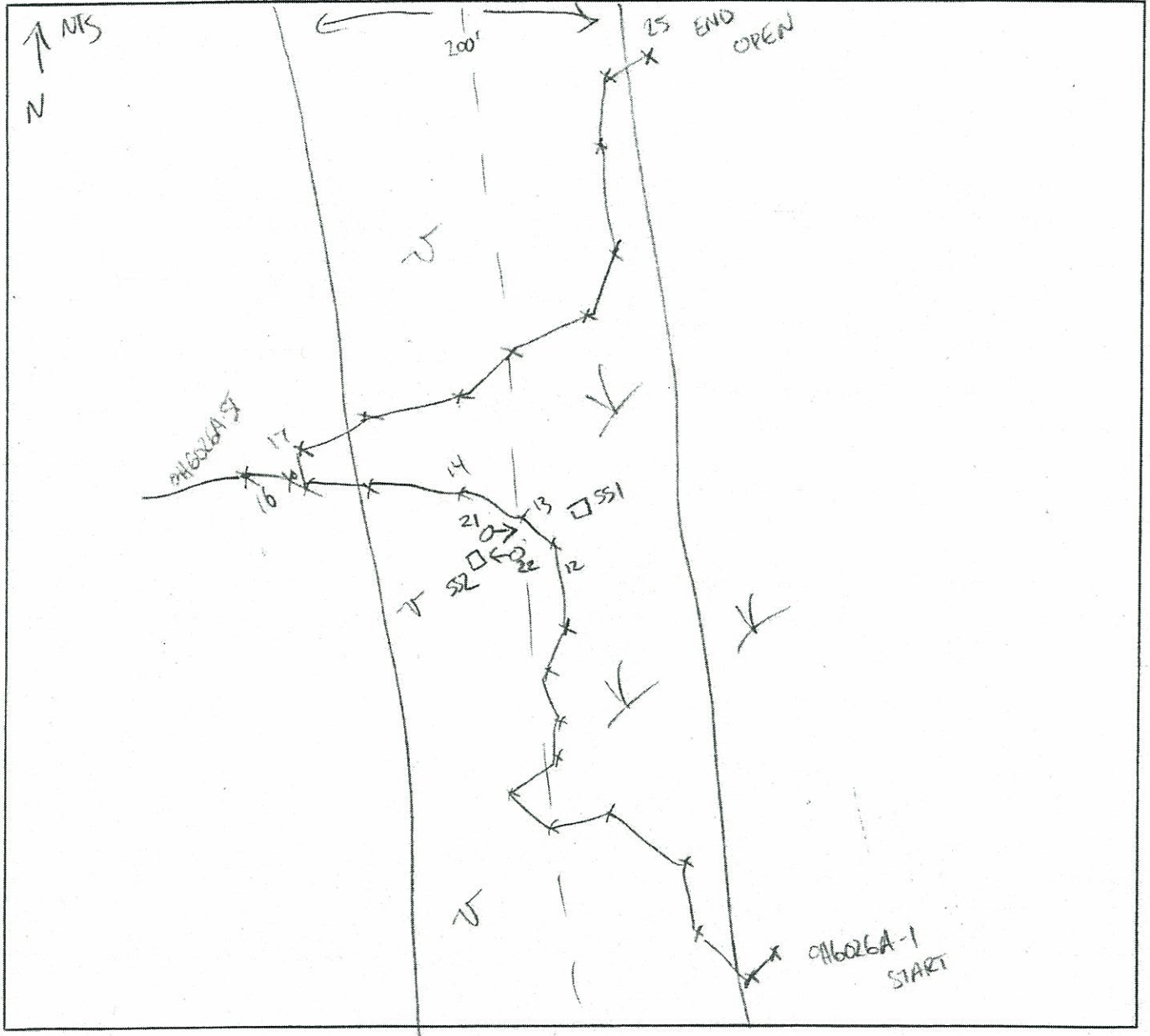
WETLAND DETERMINATION

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

Remarks

WETLAND SKETCH FORM

Wetland ID/ Route #: OH6026A,	Date: 10-11-09	Location: MR 04 P-node Option 2
Initials of Delineators: RD, DO	Photo ID & Direction: 21 E, 22 W	



Legend:			
	Wetland		Sample Station
	Upland		Flag
	Centerline		North Arrow
	Photo Location & Direction		Perennial Stream
			Intermittent Stream
			Culvert

Adjusted wetlands
IC902

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

Project Site: MARBLE RIVER WIND FARM Applicant/Owner: MARBLE RIVER LLC Investigator: DELAMONTE, APPOINTMENT	Date: 10/12/09 County: Clinton State: NEW YORK
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: WETLAND Transect ID: 0116029A Plot ID: SSI

VEGETATION PFO / PERN

Plant Community Classification: Percent Canopy Cover: Tree: 80 Shrub: 25 Herb: 60 Vine: <input checked="" type="checkbox"/>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. RED MAPLE	T/S	FACW	9. ISRAELI PERN	H	FACW
2. COMMON BLUE	S	FACW	10. OXALIS	T	FACW
3. MARIANNA SWEET	S	FACW	11. SWAMP MAPLE	S/T	FACW
4. SPANISH BELL	T/S	FACW	12. RICH MOSS	H	FAC
5. EQUISETUM	H	FACW*	13. WOOD PERN	H	FAC
6. GLYCYRIA SP.	H	OBL	14. COMMON RED SP	H	FAC
7. N. TUSSILEG	H	OBL	15. SCARLET PERN	H	FACW
8. SOFT RUSH	H	FACW	16. COLE SP	H	-
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): 12/19 <u>68%</u>					
Remarks: <u>TERRESTRIAL - PREDOMINANCE OF PERN</u> <u>- MESIC AREA</u> <u>FACW* PRESUMED FACILITATED WET</u>					

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift lines <input type="checkbox"/> Sediment Deposits <input checked="" type="checkbox"/> Drainage Patterns In Wetlands (<u>SEW</u>) Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 inches <input checked="" type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil survey Data <input checked="" type="checkbox"/> FAC-Neutral Test 5-7 <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>wf"</u>	Remarks: <u>PHOTO 12 -> EAST AT SSI</u> <u>- EXPOSED ROOTS</u> <u>- BUTTERFLY TRUNKS</u>

Date: 10/12/09
 Community ID: WENAND
 Plot ID:

OM16029A-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
6-18	B	10YR7/1	5YR 5/8	Comm/MED/INT	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes	No	Isolated?	Yes	No	NOT DETERMINED Is this Sample Station Point Within a Wetland? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wetlands Hydrology Present?	Yes	No				
Hydric Soils Present?	Yes	No				
Remarks						
Continues to the NW NOT within MAPPED WETLANDS						

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

Project Site: <u>MARJIE RIVER WIND FARM</u> Applicant/Owner: <u>MARJIE RIVER LLC</u> Investigator: <u>DELAHUNTY, D. DESSARD</u>	Date: <u>10/12/09</u> County: <u>Clinton</u> State: <u>NEW YORK</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>UPIAN</u> Transect ID: <u>0H0029A</u> Plot ID: <u>SS2</u>

VEGETATION UPIAN DECID FOREST

Plant Community Classification: Percent Canopy Cover: Tree: <u>75</u> Shrub: <u>20</u> Herb: <u>45</u> Vine: <u>0</u>					
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>SUGAR MAPLE</u>	<u>T</u>	<u>FACW</u>	9. <u>CLUB MUSH</u>	<u>H</u>	<u>FAC</u>
2. <u>RED MAPLE</u>	<u>T</u>	<u>FAC</u>	10.		
3. <u>DOGWOOD</u>	<u>T</u>	<u>FACW</u>	11.		
4. <u>WATER LILY</u>	<u>H</u>	<u>FACW</u>	12.		
5. <u>WOOD PEAR</u>	<u>H</u>	<u>FAC</u>	13.		
6. <u>AMAL BERRY</u>	<u>S</u>	<u>FACW</u>	14.		
7. <u>GOLD THROAT</u>	<u>H</u>	<u>FACW</u>	15.		
8. <u>MEADOW SWEET</u>	<u>S</u>	<u>FAC</u>	16.		
Percent of dominant Species that are OBL, FACW, or FAC (excluding FAC-): <u>511</u> <u>4540</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>None</u> Depth to Free Standing Water in Pit (in.): Depth to Saturated Soil (in.):	
Remarks:	

Date: 10/12/09
 Community ID: UPIA7
 Plot ID: OH6029A-556

SOILS

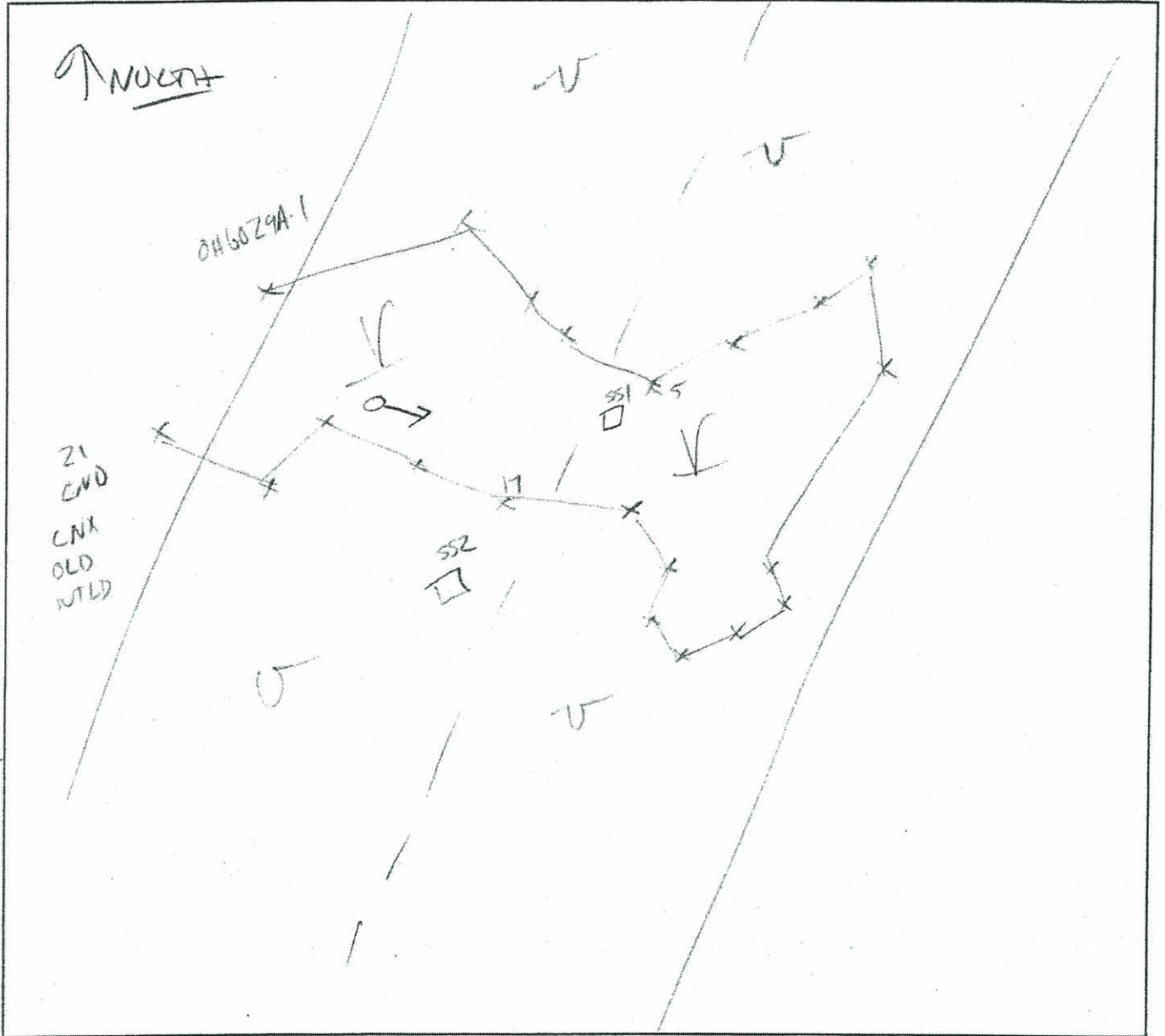
Map Unit Name (Series and Phase):		Drainage Class:			
Taxonomy (SubGroup):		Field Observations Confirm Mapped Type? Yes No			
Profile Description:					
Depth (Inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottles Abundance/Size/ Contrast	Texture, Concretions, Structure, etc.
0-4	A ₁	7.5YR 5/2	—	—	LOAM w/ORGANIC
4-10	A ₂	7.5YR 4/3	—	—	SILTY CLAY LOAM
10-14	B	10YR 5/2	—	—	CLAY
Hydro Soil Indicators					
<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content, Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)			
Remarks: RETREAT AT 14"					

WETLAND DETERMINATION

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

WETLAND SKETCH FORM

Wetland ID/ Route #: OH6029A	Date: 10-12-09	Location: NR OH Main Corridor
Initials of Delineators: RD, DO	Photo ID & Direction: Photo 12 ⇒ EAST	



Legend:			
	Wetland		Sample Station
	Upland		Flag
	Centerline		North Arrow
	Photo Location & Direction		Perennial Stream
			Intermittent Stream
			Culvert