Project No: 20125  
Applicant: Bearung Brook Wind Power Project  
Investigator: 

| Date: | 6/27/07 |
| Town: |  |
| County: | 1233 |
| State: | NY |

Do natural environments exist on-site?  
Yes  No  

Is site significantly disturbed?  
Yes  No  

Is the area a potential Problem Area?  
Yes  No  

Community:  

Transfer/Flag ID: 

Plot ID: A25 UT  

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>Drainage Class:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td>WD MWD SPD PD VPD</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/Abundance</th>
<th>Tenure, Structure, Other</th>
<th>Confirm Mapped Type:</th>
<th>Yes No</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>A</td>
<td>100%</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
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</tbody>
</table>

Hydric Soil Indicators:  
- Convertion  
- High Org. Content & Surface Layer of Sandy Soils  
- Organo-Typing in Sandy Soils  
- Clayey or Low Chlorite Color  
- Listed on Local Hydric Soils List  
- Listed as Potential for Hydric Indicators Only  
- Other (Explain in Remarks)  
- Aquic Moisture Regime  

Landscaping position:  
- Concave  
- Convex  
- Flat  
- Undulating  
- Stepping  
- Approximate slope:  

Remarks:  

<table>
<thead>
<tr>
<th>Hydrology Recorded Data (Describe in Remarks):</th>
<th>Field Observations:</th>
</tr>
</thead>
</table>
| No Recorded Data Available  
Stream, Lake or Tide Gauge  
Aerial Photographs | No  
Ground Surface Inundation: W/F inches.  
Soil Saturated.  
Depth to free Water: L/F inches.  
Depth to Saturated Soil: L/F inches.  

Water and Hydrology Indicators - Primary Indicators:  
- Islanded  
- Saturated in upper 12 inches  
- Water Stains  
- Sediment Deposits  

Secondary Indicators (2 or more required):  
- Overgrown Root Channels in upper 12 inches  
- Water-Stained Leaves  
- Local Soil Survey  
- Morphological Plant Adaptations  
- Other (Explain in Remarks)  

Remarks:  

s/led off file: Routine Wetland Determination - rev 1.xlsx
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status (Circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Tuscany sage</td>
<td>O S S T V</td>
<td>DBL</td>
<td>40</td>
</tr>
<tr>
<td>2. Northern sable gold</td>
<td>O S S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>3. White clover</td>
<td>O S S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>4. Red clover</td>
<td>O S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>5. Blacktop willow</td>
<td>O S S T V</td>
<td>OBL</td>
<td>5</td>
</tr>
<tr>
<td>6. Needleroot reedgrass</td>
<td>O S S T V</td>
<td>DBL</td>
<td>5</td>
</tr>
<tr>
<td>7. Shrub brush</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

50/20 Rule Applied?  

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Other Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks:

Photo Reference Number:
**Project No:** 07825  
**Applicant:** Hearing Brook Wind Power Project  
**Investigator:**  

**Soil**  
**Series and Phase:**  
**Subgroup:**  
**Depth:**  
**Matrix color:**  
**Mottle color/abundance:**  
**Hydro-Soil Indicators:**  

**Remarks:**

**Hydrology**  
**Recorded Data (Describe in Remarks):**  
- No Recorded Data Available  
- Stream, Lake or Tide Chart  
- Aerial Photographs  

**Wetland Hydrology Indicators:**  
**Primary Indicators:**  
- _[List hydrology indicators]_  

**Secondary Indicators:**  
- _[List secondary indicators]_  

**Remarks:**  
- No wetland hydrology.
<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (side-cılar)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baldcypress</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Tulip Poplar</td>
<td>H SS D V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Yellow Bristlecone</td>
<td>H SS T V</td>
<td>FAC</td>
<td>25</td>
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<tr>
<td>Black Cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Redwood</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
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<tr>
<td>Bluebird</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
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<tr>
<td></td>
<td>H SS T V</td>
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<td></td>
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<td></td>
<td>H SS T V</td>
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<td>H SS T V</td>
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<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBI, FACW = 75% Percent of Dominant Species OBI, FACW = 0%

50/20 Rule Applied? Yes No

Remarks: Sparse Bare Land

---

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydrologic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Hydrologic Connectivity to Off-site Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number:

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**DATA FORM**

**ROUTE WETLAND DETERMINATION**

**NYC DEP Wetland Determination Manual**

---

<table>
<thead>
<tr>
<th>Project No.</th>
<th>07935</th>
<th>Applicant: Bear Brook Wind Power Project</th>
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<tr>
<td>Investigator:</td>
<td>Pippin A. Kambara</td>
<td></td>
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<tr>
<td>Community:</td>
<td>PEM/PESS</td>
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<td>County:</td>
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<tr>
<td>State:</td>
<td>NY</td>
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</table>

**Do normal circumstances exist on site?**

- **Yes**

**Is the site significantly disturbed?**

- **Yes**

**Is the area a potential Problem Area?**

- **Yes**

---

### SOILS

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>Drainage Class:</th>
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<tbody>
<tr>
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<tr>
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<td>Horizon</td>
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<td>Matrix color</td>
<td></td>
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<tr>
<td>Matrix color/abundance</td>
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</tr>
<tr>
<td>Texture, Structure, Other</td>
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</tbody>
</table>

**Hydro Soil Indicators:**

- **Concretions**
- **High Org. Content in Surface Layer of Sandy Soils**
- **Sedile Color**
- **Organic Streaking in Sandy Soils**
- **Reducing Conditions**
- **Glycol or Low Chroma color**
- **Laid on Local Hydro Soil**
- **Listed in Potential for Hydro Inclusions Only**
- **Other (Explain in Remarks)**
- **Aquic Moisture Regime**

**Landscape position:**

- **Concealed**: 20%
- **Exposed**: 30%
- **Sloping**: 30%
- **Approximate slope**: 15%

---

### HYDROLOGY

**Recorded Data (Describe in Remarks):**

- No Recorded Data Available
- Stream, Lake or Tidal Gauge
- Aerial Photographs

**Field Observations:**

- **Ground Surface Undulations**: 20 inches.
- **Soil Saturated**:
- **Depth to Free Water**: 18 inches.
- **Depth to Saturated Soil**: 42 inches.

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Translated
  - Saturated in upper 12 inches
  - Water Stains
  - Drainage Patterns in Wetland

- **Secondary Indicators (2 or more required):**
  - Outlined Root Channels in upper 12 inches
  - Water-Stained Soils
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks:**

- **Channel avg width 10 feet (wide by 0.5)
  - runs + pools organic mud, ripples cobbles**

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### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stature (inches)</th>
<th>Indicator</th>
<th>% Co-oc.</th>
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<tbody>
<tr>
<td>Wetland grass</td>
<td>H</td>
<td>FACW</td>
<td>40</td>
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<tr>
<td>1</td>
<td>S</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>S</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>S</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>4</td>
<td>S</td>
<td>FACW</td>
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<tr>
<td>5</td>
<td>S</td>
<td>FACW</td>
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<td>S</td>
<td>FACW</td>
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<td>13</td>
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<td>S</td>
<td>FACW</td>
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</tr>
<tr>
<td>16</td>
<td>S</td>
<td>FACW</td>
<td>10</td>
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</table>

Percent of Dominant Species OBS, FACW,FAC.W: 100%

50/20 Rule Applied? Yes

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**

**Project No:** 07035  
**Applicant:** Roaring Brook Wind Power Project  
**Investigator:**  

**Project Information:**  
**Date:**  
**Type:**  
**County:** Lewis  
**State:** NY  

**SOILS**  
**Series and Phase:**  
**Subgroup:**  
**Depth Horizon**  
<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/texture</th>
<th>Terrestrial Structure, Other</th>
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<td>0-9M</td>
<td>0</td>
<td>Organic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-9M</td>
<td>0</td>
<td>Organic</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**  
- **Histosols**
  - **Concretions**
- **Hemis Eupodons**
  - **High Organic Content in Surface Layer of Sandy Soils**
- **Sodic Soils**
  - **Organic Streaking in Sandy Soils**
- **Reducing Conditions**
  - **Cayman or Low Oxygen color**

**Hydrology**  
**Recorded Data (Describe in Remarks):**  
- No Recorded Data Available
- Streets, Lake or Tide Gauge
- Aerial Photographs

**Field Observations:**  
- Ground Surface Inundated:  
  - inches
- Soil Saturated:  
  - inches
- Depth to Free Water:  
  - inches
- Depth to Saturated Soil:  
  - inches

**Wetland Hydrology Indicators:**  
**Primary Indicators:**  
- Inundated
- Saturated in upper 12 inches
- Water Marks
- Drift Lines
- Sediment Deposits
- Drainage Patterns in Wetland

**Secondary Indicators (2 or more required):**  
- Overland Flows Channels in upper 12 inches
- Water-Logged Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

*No wetland hydrology*  

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### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (undivided)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black cherry</td>
<td>H SS F V</td>
<td>FACU</td>
<td>70</td>
</tr>
<tr>
<td>Blackberry</td>
<td>H SS F V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Mountain ash</td>
<td>H SS T V</td>
<td>OBL</td>
<td>20</td>
</tr>
<tr>
<td>Red maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>40</td>
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<tr>
<td>Blackberry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>Sassafras</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>White ash</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
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<tr>
<td>Goldthread</td>
<td>H SS T V</td>
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</tr>
<tr>
<td>Red maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>Dune holly</td>
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<td>60</td>
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<td>braun fern</td>
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<td>FACU</td>
<td></td>
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<tr>
<td>Orange barbells</td>
<td>H SS T V</td>
<td>FACU</td>
<td></td>
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<tr>
<td>Sassafras</td>
<td>H SS T V</td>
<td>FACU</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACU: 10%

50/20 Rule Applied? Yes / No

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks:

Photo Reference Number:

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**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**NYDEC Wetlands Determination Manual**

**Project No:** 07025

**Applicant:** Torrey Brook Wind Power Project

**Investigator:** [Handwritten Name]

**Date:** [Handwritten Date]

**Town:** [Handwritten Town Name]

**County:** Lewis

**State:** NY

**Do normal circumstances affect site?** Yes [X]

**Is the site significantly disturbed?** Yes [X]

**Is the area a potential Problem Area?** Yes [X]

**SOILS**

**Series and Phase:**

**Subgroup:**

**Depth:** [Handwritten Depth]

**Matrix color:** [Handwritten Matrix Color]

**Matrix color/abundance:** [Handwritten Matrix Color/Abundance]

**Hydric Soil Indicators:**

- **Cooperation:** Listed on Local Hydric Soils List
- **History:** Listed as Potential for Hydric Inclusions Only
- **Surface Other:** Other (Explain in Remarks)
- **Reducing Conditions:** Aquatic Plant Regime

**Landscape position:**

- **Less Than 1% Slope:** [Handwritten]
- **1 to 3% Slope:** [Handwritten]
- **3 to 6% Slope:** [Handwritten]
- **Greater Than 6% Slope:** [Handwritten]

**Remarks:**

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**

- No Recorded Data Available
- Stream, Lake or Tide Gauge
- Aerial Photographs

**Field Observations:**

- **Depth to Surface Water:** 15 inches
- **Depth to Saturated Soil:** 6 inches
- **Soil Observations:**
  - Ground Surface Inundated
  - Soil Leached

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Inundated
  - Saturated lower 12 inches
  - Water Main
  - Dry Line
  - Soil Deposit
- **Secondary Indicators:**
  - Wooded Forest Channels in upper 12 inches
  - Water-Stained Inlets
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks:**

s/edr office files/forms/Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum:</th>
<th>Indicator:</th>
<th>% Cover:</th>
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<tbody>
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<td>S/S 6 V</td>
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<td>FACW</td>
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Percent of Dominant Species OBL, FACW: 10%

Percent of Dominant Species OBL, FACW: 20%

50/30 Rule Applied: No

Remarks:

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology: Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Offsite Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks:

Photo Reference Number: [s:ldr office files/rcms/Routine Wetland Determination - rev 1.xls]
Project No: 07022  Applicant: Bear rug Wind Power Project
Investigator: [Signature]
Date: [Signature]

Do normal circumstances exist on site? Yes No
Community: [Signature]

Is the site significantly disturbed? Yes No
Transmit/Flag ID: [Signature]

Is the area a potential Problem Area? Yes No
Plot ID: [Signature]

SOILS
Series and Phase: [Blank]
Subgroup: [Blank]
Depth Horizon Matrix color Matrix color/structure: [Blank]
Texture, Structure, Other: [Blank]
Hydro Soil Indicators: Saturated
Conform Mapped Type: Yes No
Landscape position: convex concave slope
Approximate Slope: [Blank]

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

Field Observations:
Ground Surface Insulated: [Inches]
Soil Saturated: [Inches]
Depth to Free Water: [Inches]
Depth to Saturated Soil: [Inches]

Wetland Hydrology Indicators:
Primary Indicators:
- Sediment in upper 12 inches.
- Water Marks
- Ditch Lines
- Sediment Deposits
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- Overland Flow Channels or upper 12 inches
- Water-Stained Soils
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks: [Blank]
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Bear Grass</td>
<td>H S S T V</td>
<td>FAC</td>
<td>40 -</td>
</tr>
<tr>
<td>2. Red Clover</td>
<td>H S S T V</td>
<td>FAC</td>
<td>30 -</td>
</tr>
<tr>
<td>3. Yellow Owl</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20 -</td>
</tr>
<tr>
<td>4.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Bobbly Bush</td>
<td>H S S T V</td>
<td>FAC</td>
<td>85 -</td>
</tr>
<tr>
<td>7. Striped Maple</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>8. Without Name</td>
<td>H S S T V</td>
<td>FACW -</td>
<td>10 -</td>
</tr>
<tr>
<td>9.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Wood Fern</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20 -</td>
</tr>
<tr>
<td>12. Red Maple</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>13. Oat Grass</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>14. Purple Loosestrife</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>15.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW = 80%
Percent of Dominant Species OBL, FACW = 0

50/20 Rule Applied?  No

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks:

Proof Reference Number:

s:\edr\office files\forms\Routine Wetland Determination - rev 1.xls
**SOILS**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Main color</th>
<th>Matt color/absence</th>
<th>Tenure, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2&quot;</td>
<td>A</td>
<td>1/4 3/4</td>
<td>---</td>
<td>silt loam</td>
</tr>
<tr>
<td>2-4&quot;</td>
<td>B</td>
<td>1/4 3/4</td>
<td>---</td>
<td></td>
</tr>
</tbody>
</table>

**Hwyic Soil Indicators:**
- **Concretions:**
- **High Org. Content in Surface Layer of Sandy Soils:**
- **Essica**:
- **Reducing Conditions:**
- **Oxidized or Low Chromium color:**

**Subsoil position:**
- concave
- convex
- flat
- undulating
- short

**Approximate slope:**

**HYDROLOGY**

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
  - Streams, Lake or Title 49
  - Aerial Photograph

- **Field Observations:**
  - No Ground Surface Insulted
  - Soil Insulted
  - Depth to Free Water
  - Depth to Saturated Soil

- **Wetland Hydrology Indicators:**
  - Primary Indicators:
    - Insulted
    - Saturated in upper 12 inches
    - Water Mark
    - Wet/Dry Line
    - Sediment Deposit
  - Secondary Indicators (2 or more required):
    - Oxalate Base Channels in upper 12 inches
    - Water-stained leaves
    - Local Soil Survey
    - Morphological Plant Adaptations
    - Other (Explain in Remarks)

- **Remarks:** channel not a wetland

---

**DATA FORM**

<table>
<thead>
<tr>
<th>Project No.</th>
<th>58025</th>
<th>Appraised Roaring Brook Wind Power Project</th>
<th>Date</th>
<th>9/22/07</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investigate</td>
<td>Trembowla</td>
<td></td>
<td>Town</td>
<td></td>
</tr>
<tr>
<td>County</td>
<td></td>
<td></td>
<td>State</td>
<td>NY</td>
</tr>
</tbody>
</table>

---

**Environmental Design & Research**

219 Montgomery Street, Suite 1000

Syracuse, New York 13202

774 300th Greenland Street

joshua@nyk9.com | New York 14007

---

**Environmental Design & Research**

219 Montgomery Street, Suite 1000

Syracuse, New York 13202

774 300th Greenland Street

joshua@nyk9.com | New York 14007
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (shrub/Gr)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <em>C. glaucum</em></td>
<td>S S T V</td>
<td>OBL</td>
<td>20</td>
</tr>
<tr>
<td>2. <em>P. lentiscus</em></td>
<td>S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>3. <em>A. shumardii</em></td>
<td>S S T V</td>
<td>FACW</td>
<td></td>
</tr>
<tr>
<td>4. <em>P. stellata</em></td>
<td>S S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>5. <em>P. glabra</em></td>
<td>S S T V</td>
<td>OBL</td>
<td>30</td>
</tr>
<tr>
<td>6.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%  

50/20 Rule Applied? **Yes** **No**

**Rem:2:**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Year or No</th>
<th>Hydric Soils Present?</th>
<th>Year or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Year or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland/Hydrology Present?</td>
<td>Year or No</td>
<td></td>
<td></td>
<td></td>
<td>Year or No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydrologic Connectivity to Off-site Wetlands? **Year or No**

Is this Wetland Potentially Isolated? **Year or No**

**Remarks:**

Photo Reference Number:

s:\edr/office files\formal\Routine Wetland Determination - rev 1.xls
Project No: 07025  Applicant: Roaring Brook Wind Power Project  Date: 9/27/07
Investigator:  Town:  County:  State: NY
Do unusual circumstances exist on site?  Community:
Is the site significantly disturbed?  Transect/Way ID:  P
Is the area a potential Problem Area?  Plot ID:  OT UPL

SOILS
Series and Phase: (EdB) Freepapile Story Loam  Drainage Class: WSD
Subgroup:  Confirm Mapped Type:  Yes
Depth  Texture, Structure, Other

Hydric Soil Indicators:
- High Org. Content in Surface Layer of Sand Soils
- Organic Steeping in Sandy Soils
- Glazed or Low Chloris color

Landscape position:
- concave  convex  sloping

Remarks:
- all spoils - all rock - no natural soil structure

HYDROLOGY
- Recorded Data (Describe in Remarks)
- No Recorded Data Available
- Stream, Lake or Tidal Gauge
- Aerial Photographs

Depth to Free Water:  inches
Depth to Saturated Soils:  inches

Wetland Hydrology Indicators:
Primary Indicators:
- Saturated in upper 12 inches
- Water Mound
- Saturated Deposits

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water-Stained leaves
- Local Soil Survey

Remarks:
- no wetland hydro
### VEGETATION

<table>
<thead>
<tr>
<th>No.</th>
<th>Dominant Plant Species</th>
<th>Stratum (0-1.5 cm)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sugar maple</td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Raspberry</td>
<td>H S/S T V</td>
<td>FAC-</td>
<td>80</td>
</tr>
<tr>
<td>4</td>
<td>Dishy Christi</td>
<td>H S/S T V</td>
<td>UPL</td>
<td>20</td>
</tr>
<tr>
<td>5</td>
<td>Sugar maple</td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>20</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>H S/S T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>8</td>
<td>Aquaticus</td>
<td>H S/S T V</td>
<td>UPL</td>
<td>30</td>
</tr>
<tr>
<td>9</td>
<td>Agrostigma</td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>H S/S T V</td>
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<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>H S/S T V</td>
<td></td>
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</tr>
<tr>
<td>12</td>
<td></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>H S/S T V</td>
<td></td>
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<td>14</td>
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<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACU, FAC: 33%

50/20 Rule Applied? Yes

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Hydrologic Connectivity to Other Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number:

s:eda1\office files\forms\Routine Wetland Determination - rev 1.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
DNR/COE Standards Delineation Manual

Project No.: 87825
Applicant: Reesing Brook Wind Power Project
Investigator: 

Date: 9/27/07
Town: 

County: 
State: NY

Do unusual circumstances exist on site? No
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

SOILS
Series and Phase: (EdB) Empyeville silt loam
Drainage Class: 
Confirm Mapped Type: Yes

Subgroup:

Depth

Series

Permeability

Matrix color

Matrix color/soil moisture

Texture, Structure, Other

0-2' D

A

5'

B

silty loam

Hydrolic Soil Indicators:

- Contact
- High Organic Content in Surface Layer of Sandy Soils
- Silty/Clayey Soil
- Low Organic Content in Surface Layer of Sandy Soils
- Gleyed or Low Chroma color
- Listed on Local Hydrolic Soils List
- Listed in Potential for Hydrolic Indications Only
- Other (Explain in Remarks)
- Aquic Moisture Regime

Land-use position:

- Forest
- Field
- Wetland
- Undeveloped
- Sliding
- Approximate slope:

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks):

- No Recorded Data Available
- Stream, Lake or Tide Gauge
- Aerial Photographs
- "NA" inches
- "NA" inches

Wetland Hydrology Indicators:

Primary Indicators:

- Water Stagnation
- Obedacial Peat Channel in upper 12 inches
- Drainage Pattern in Wetland

Secondary Indicators (2 or more required):

- Water Strata Base
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum ( relate only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. RED CEDAR GROSS</td>
<td>FACW</td>
<td>90</td>
</tr>
<tr>
<td>2.</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>3.</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>4.</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>5.</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
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<tr>
<td>7.</td>
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<tr>
<td>11.</td>
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<tr>
<td>12.</td>
<td></td>
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</tr>
<tr>
<td>13.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC = 100%  
50/50 Rule Applied? **No**

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? **Yes** or **No**  
Hydric Soils Present? **Yes** or **No**  
Is this Sampling Point Within a Wetland? **Yes** or **No**  
Hydrologic Connectivity to Off-site Wetlands? **Yes** or **No**  
Is this Wetland Potentially Isolated? **Yes** or **No**

Photo Reference Number: 

s:\edr\office files\formal\Routine Wetland Determination - rev 1.xls
Project No: 97035
Applicant: Roaring Brook Wind Power Project
Investigator: [Handwritten Name]

Date: 9/17/02
Town: [Handwritten]
County: [Handwritten]
State: NY

Soil:
Series and Phase: [Handwritten]

Subgroup: [Handwritten]

Depth

0' 8" 0'

Horizon

Matrix color

Matrix color/soil-moisture

Texture, Structure, Other

Hydric Soil Indicators:

- [Handwritten]

Landscape position:

cove

Remarks:

Hydrology:

Recorded Data:

- [Handwritten]

Field Observations:

- [Handwritten]

Wetland Hydrology Indicators:

- [Handwritten]

Remarks:

s:edr office files/forms/Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Silver maple</td>
<td>H</td>
<td>40</td>
</tr>
<tr>
<td>2. Yellow birch</td>
<td>H</td>
<td>40</td>
</tr>
<tr>
<td>3. Red maple</td>
<td>H</td>
<td>30</td>
</tr>
<tr>
<td>4. Striped maple</td>
<td>H</td>
<td>20</td>
</tr>
<tr>
<td>5. Black cherry</td>
<td>H</td>
<td>20</td>
</tr>
<tr>
<td>6. Red oak</td>
<td>H</td>
<td>20</td>
</tr>
<tr>
<td>7. Other grass</td>
<td>H</td>
<td>10</td>
</tr>
<tr>
<td>8. Other grass</td>
<td>H</td>
<td>10</td>
</tr>
<tr>
<td>9. Other grass</td>
<td>H</td>
<td>10</td>
</tr>
<tr>
<td>10. Other grass</td>
<td>H</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC 50 %  
50/20 Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:

s/edr office files\formal\Routine Wetland Determination - rev 1.xls
Project No: 87025  Applicant: Running Brook Wind Power Project
Investigator:  

Do normal circumstances exist on site?  
[ ] No  
[ ] Yes

Is the site significantly disturbed?  
[ ] Yes  
[ ] No

Is the area potential Problem Area?  
[ ] Yes  
[ ] No

Series and Phase:  (EDB) Empeyville Step Loom  
Subgroup:  

Depth

<table>
<thead>
<tr>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/abundance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3</td>
<td>High Organic Content</td>
<td>Sandy Soils</td>
</tr>
<tr>
<td>3+</td>
<td>Rocky Ledge</td>
<td>Clay/Silt</td>
</tr>
</tbody>
</table>

Hydro Soil Indicators:

- [ ] High Organic Content in Surface Layer of Sandy Soils
- [ ] Organic Staining in Sandy Soils
- [ ] Glyved or Low Chroma color
- [ ] Other (Explain in Remarks)

Landscape Position:

- [ ] Concave
- [ ] Convex
- [ ] Undulating

Remarks:  

HYDROLOGY

Recorded Data (Describe in Remarks):

- No Recorded Data Available
- Stream, Lake or Tide Gauge
- Aerial Photographs

Field Observation:

- Ground Surface Insulated
- Soil Saturated
- Depth to Free Water
- Depth to Saturated Soil

Wetland Hydrologic Indicators:

Primary Indicators:

- [ ] Insulated
- [ ] Saturated in upper 12 inches
- [ ] Water Marks
- [ ] Drift Lines
- [ ] Sediment Depots
- [ ] Drainage Patterns in Wetland

Secondary Indicators (2 or more required):

- [ ] Confined Flow Channels in upper 12 inches
- [ ] Water-Strained Islands
- [ ] Local Soil Survey
- [ ] Morphological Plant Adaptations
- [ ] Other (Explain in Remarks)

Remarks:  

Site office file/perm/Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (leaves only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, grass</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>2, grass</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>3, grass</td>
<td>FACW</td>
<td>25</td>
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<tr>
<td>4, grass</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>5, grass</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>6, grass</td>
<td>FACW</td>
<td>10</td>
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<tr>
<td>7, grass</td>
<td>OBL</td>
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<td>9, grass</td>
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<td>10, grass</td>
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<td>11, grass</td>
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<td>12, grass</td>
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<td></td>
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<td>14, grass</td>
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<td>15, grass</td>
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<tr>
<td>16, grass</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW: __100%__

50/50 Rule Applied? ___Yes___

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydroecological Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is the Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: ___

PPID Reference Number: ___

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**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Project No:</th>
<th>97095</th>
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<tbody>
<tr>
<td>Investigator:</td>
<td>Stroton &amp; Trenchard/Poplin</td>
</tr>
<tr>
<td>Date:</td>
<td>7/22/92</td>
</tr>
<tr>
<td>Town:</td>
<td>Moncksburg</td>
</tr>
<tr>
<td>County:</td>
<td>Lewis</td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
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**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Empireville sandy loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substrate:</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>Color</td>
</tr>
<tr>
<td>0-6</td>
<td>Brown</td>
</tr>
<tr>
<td>6+</td>
<td>Gray</td>
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**Hydrology**

<table>
<thead>
<tr>
<th>Recorded Data</th>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
<td>Ground Surface Insulated: 4 inches.</td>
</tr>
<tr>
<td>Streams, Lake, or Tide Gauge</td>
<td>Soil Saturated.</td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td>Depth to Free Water: 2 inches.</td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators**

<table>
<thead>
<tr>
<th>Primary Indicators</th>
<th>Secondary Indicators (if more required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inundated</td>
<td>Outlet Channel in upper 12 inches</td>
</tr>
<tr>
<td>Saturated in upper 12 inches</td>
<td>Water Stained Inlets</td>
</tr>
<tr>
<td>Water Jacket</td>
<td>Local Soil Survey</td>
</tr>
<tr>
<td>Deep Lens</td>
<td>Morphological Plant Adaptations</td>
</tr>
<tr>
<td>Substrate Deposits</td>
<td>Other (Explain in Remarks)</td>
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<tr>
<td>Drainage Patterns in Wetland</td>
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**Remarks:**

No

s:edr office files/forms/Updated Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
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</thead>
<tbody>
<tr>
<td>Sugar maple</td>
<td>H</td>
<td>FAC-U</td>
<td>30</td>
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<tr>
<td>Y. birch</td>
<td>H</td>
<td>FAC</td>
<td>20</td>
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<tr>
<td>S. maral</td>
<td>H</td>
<td>FAC-U</td>
<td>30</td>
</tr>
<tr>
<td>Y. brev</td>
<td>H</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>red maple</td>
<td>H</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>linden</td>
<td>H</td>
<td>FAC-U</td>
<td>10</td>
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<tr>
<td>white oak</td>
<td>H</td>
<td>FAC-U</td>
<td>5</td>
</tr>
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</table>

Percent of Dominant Species OBL, FACU, FAC = 57%  
50/20 Rule Applied? Yes/No

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes/No  
Hydric Soil Present? Yes/No  
Is this Sampling Point Within a Wetland? Yes/No  
Is this Wetland Potentially Isolated? Yes/No

Hydrologic Connectivity to Off-site Wetlands? Yes/No  
Remarks: Photo Reference Number.
Project No: 07025  Applicant: Roaring Brook Wind Power Project
Investigator: [Name]  Date: [Date]
Tape: [Tape]  Town: [Town]
County: [County]  State: [State]  NY

Do normal circumstances exist on site? Yes No
Is the site significantly disturbed? Yes No
Is the area a potential Problem Area? Yes No

SOILS
Series and Phase: (EdB) Empeville story 100% Drainage Class: VV, WD, SD, PB, VPD
Subgroup: Confirm Mapped Type: Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/texture</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;</td>
<td>A</td>
<td>7.5YR 5.5/4</td>
<td>7.5YR 2/1</td>
<td>5/4/100</td>
</tr>
</tbody>
</table>

Hydraulic Soil Indicators:
- [ ] Concretion
- [ ] High: Epipelon
- [ ] Organic Streaking in Surface Layer of Sandy Soil
- [ ] Organic: Other
- [ ] Clayey: Low: Organic color

Landscaping position: concave convex sleeping Approximate slope:

Remarks:

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

Field Observations:
- [ ] Ground Surface Upland
- [ ] Soil Saturation
- [ ] Depth to Free Water
- [ ] Depth to Saturated Soil

Wetland Hydrology Indicators:
Primary Indicators:
- [ ] Satellite in Upland 12 inches
- [ ] Water Mists
- [ ] Exit Line
- [ ] Swale Deposits
- [ ] Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- [ ] Drainage Channels in Upland 12 inches
- [ ] Water-Stained banks
- [ ] Local Soil Survey
- [ ] Morphological Plant Adaptations
- [ ] Other (Explain in Remarks)

Remarks:

s:\agr\office files\Forms\Routine Wetland Determination - rev 1.xls
## VEGETATION

<table>
<thead>
<tr>
<th>Plant species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
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</thead>
<tbody>
<tr>
<td>Purple Sand Aster</td>
<td>B</td>
<td>OBL</td>
<td>5</td>
</tr>
<tr>
<td>Giant Reed</td>
<td>R</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>Marsh Honeysuckle</td>
<td>H</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>Haemus</td>
<td>H</td>
<td>OBL</td>
<td>20</td>
</tr>
<tr>
<td>Wetland grass</td>
<td>H</td>
<td>FACW/OBL</td>
<td>50</td>
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<tr>
<td>Quaking Aspen</td>
<td>H</td>
<td>OBL</td>
<td>20</td>
</tr>
<tr>
<td>Birch</td>
<td>H</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>White Oak</td>
<td>H</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>White Spruce</td>
<td>H</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>Ponderosa</td>
<td>H</td>
<td>FACW</td>
<td>250</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC: 100%**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
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</thead>
<tbody>
<tr>
<td></td>
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Remarks:

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### DATA FORM

**Routine Wetland Determination**

**Project No:** 07025  
**Applicant:** Roaring Brook Wind Power Project  
**Investigator:**  

<table>
<thead>
<tr>
<th>SOILS</th>
</tr>
</thead>
</table>
| **Series and Phase:** | (Ed8) Empyville Story Loam  
\| **Subgroup:** | Drainage Class:  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/texture</th>
<th>Testnet, Structure, Other</th>
<th>Confirm Mapped Type:</th>
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<tbody>
<tr>
<td>0-3&quot;</td>
<td>A</td>
<td>Oryzic Akule</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-10&quot;</td>
<td>B</td>
<td>10+4 x 6&quot;</td>
<td></td>
<td>Silt Loam</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Hydraulic Soil Indicators:**  
- **Hypsometer:**  
- **Histic Epipedon:**  
- **Sulfide:**  
- **Reducing Conditions:**  
- **Landscape position:**  
- **Conifer**  
- **Covers**  
- **Slopes**  

**Remarks:**

### HYDROLOGY

**Recorded Data:** (Describe in Remarks)  
- No Recorded Data Available  
- Stream, Lake or Tidal Gauge  
- Aerial Photographs  

**Field Observations:**  
- crown Surface inundated _inches._  
- Soil Saturated _inches._  

**Depth to Free Water:** _inches._  
**Depth in Saturated Soil:** _inches._

**Hydrology Indicators:**  
- **Primary Indicators:**  
  - Inundated  
  - Saturation in upper 12 inches  
  - Water Mark  
  - Depth Lines  
  - Silicic Deposits  
- **Secondary Indicators (2 or more required):**  
  - Drainage Patterns in Wetland  
  - Condensed Root Channels in upper 12 inches  
  - Water-Stained leaves  
  - Local Soil Survey  
  - Morphological Plant Adaptations  
  - Other (Describe in Remarks)

**Remarks:**  

*Field office file/forms/Routine Wetland Determination - rev 1.xls*
### VEGETATION

<table>
<thead>
<tr>
<th>#</th>
<th>Dominant Plant Species</th>
<th>Status (1-9-99)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sugar Maple</td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>H SS T V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>Sugar Maple</td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>Black</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>30</td>
</tr>
<tr>
<td>5</td>
<td>Raspberry</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td>Bobble Blue</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>Face Bean</td>
<td>H SS T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>8</td>
<td>Willow Tree</td>
<td>H SS T V</td>
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<td>H SS T V</td>
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<td>H SS T V</td>
<td>FACW</td>
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<td>H SS T V</td>
<td>FACW</td>
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<td>16</td>
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<td>H SS T V</td>
<td>FAC-</td>
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</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW 33 \%

50/50 Rule Applied?  No

Remarks:

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
<td></td>
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</table>

Remarks: Photo/Reference Number:

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DATA FORM
ROUTINE WETLAND DETERMINATION
(D99 COE Wetlands Determination Manual)

Project No: 079035  Applicant: Roaring Brook Wind Power Project
Investigator: Seikorski Trembal/PFCO

Date: 9/8/97  Town: Mamaroneck
County: Westchester  State: NY

Do normal circumstances exist on site?  Yes
Is the site significantly disturbed?  Yes
Is there a potential Problem Area?  Yes

SOILS
Series and Phase:  Drainage Class: WD MWD SP PB VPD
Subgroup:  Confirmed Mapped Type: Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/abundance</th>
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<tbody>
<tr>
<td>0-4&quot;</td>
<td>A</td>
<td>1/10m Y1/2</td>
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<tr>
<td>4-10&quot;</td>
<td>B</td>
<td>1/10m Y1/2</td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:  Listed on Local Hydric Soils List

- Organic Horizon
- High Organic Content in Surface Layer of Sandy Soils
- Sedimentary Clay
- Organic Streaking in Sandy Soils
- Oxidized or Low-CHroma color

Soil Type: Mamaroneck

Remarks:  O" Soil Saturation

HYDROLOGY

Recorded Data (Describe in Remarks): No Recorded Data Available

- Stream, Lake or Tidal Gauge
- Aerial Photographs

Field Observations:
- Soil Surface Inundated: 0/0 inches
- Depth to Free Water: 0/0 inches
- Depth to Saturation Soil: 0/0 inches

Wetland Hydrology Indicators:

Primary Indicator:  Indisturbed

- Saturation in upper 12 inches
- Water Marks
- Ditch Lines
- Drainage Patterns in Wetland

Secondary Indicator (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water-Stained Soils
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
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<td>D Ampaged Sage</td>
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<td>D Huckleberry</td>
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<tr>
<td>D Sphagnum</td>
<td>W</td>
<td>FACW</td>
<td>15</td>
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<tr>
<td>D Casual Woody</td>
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<td>FACW/DEL</td>
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<td>H Sphagnum</td>
<td>S</td>
<td>FACW</td>
<td>15</td>
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<tr>
<td>H Huckleberry</td>
<td>S</td>
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</tr>
<tr>
<td>H Casual Woody</td>
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<td>H Sphagnum</td>
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<td>H Huckleberry</td>
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</tr>
<tr>
<td>H Casual Woody</td>
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</tr>
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<td>H Sphagnum</td>
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<td></td>
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<td>H Huckleberry</td>
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<tr>
<td>H Casual Woody</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC, DEL: 100%

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydric Connectivity to Off-site Wetlands?</th>
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<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
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</tbody>
</table>

Remarks:

Photo Reference Number:
**SOILS**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Hydric soil indicators</th>
<th>Land-use position</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3'</td>
<td>O</td>
<td></td>
<td></td>
<td>convex</td>
</tr>
<tr>
<td>3'+</td>
<td></td>
<td></td>
<td></td>
<td>eroding</td>
</tr>
</tbody>
</table>

**HYDROLOGY**

- **Field Observations**
  - Ground Surface Inundated
  - Soil Saturated
  - Depth to Free Water
  - Depth to Saturated Soil

- **Wetland Hydrology Indicators**
  - **Primary Indicators**
    - Inundated
    - Saturated in upper 12 inches
    - Water Marks
    - Drift Lines
    - Sediment Deposits
    - Drainage Patterns in Wetland
  - **Secondary Indicators (2 or more required)**
    - Ordinance Base Channel in upper 12 inches
    - Water-Stained Leaves
    - Local Soil Survey
    - Morphological Plant Adaptations
    - Other (Explain in Remarks)

**Remarks:**

- No wetland

---

**DATA FORM**

**Project No.:** No 97023 **Applicant:** Roaring Brook Wind Power Project **Date:** 9/26/07

**Investigator:** S. Strojek, P.E., P.E. **Location: Leonard NY**

**TOWN:** **County:** Leonard

**Do normal circumstances exist on site?** No

**Is the site significantly disturbed?** Yes **Soil Type:**

**Is the site a potential Problem Area?** Yes **Plot #:**

**Drainage Class:** WD WWD SPD PD VPD

**Confirm Mapped Type:** Yes No

**Hydric Soil Indicators:**

- Convolutions
- High Org. Content in Surface Layer of Sandy Soils
- Organs Streaking in Sandy Soils
- Glycol or Low Chroma color

**Land-use position:**

- convex
- eroding
- Approximate slope:

---

---
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum ( Calc and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Sicyartus paniculatus</em></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>60</td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td><em>Sclerocentrum sp.</em></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>10</td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Hylocomium splendens</em></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FACU, 35%**

50/20 Rule Applied? Yes

**Remarks:**

---

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

---

Pheno Reference Number:

s/edr office files/forms/Routine Wetland Determination - rev 1.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
(WRD CMA Wetland Determination Form)

Project No: 07925  Applicant: Rearing Brook Wind Power Project  Date: 9/25/07
Investigator: [Signature]  Community:  [Signature]

Do normal circumstances exist on site?  Yes  No  Comment: [Signature]

Is the site significantly disturbed?  Yes  No  Trees/Flag ID:  [Signature]

Is the area a potential Problem Area?  Yes  No  Plot ID:  [Signature]

SOILS
Series and Phase:  
Subgroup:  
Depth  Horizon  Matrix color  Matrix color/abundance  Tenure,Structure, Other  Condition Mapped Type:  Yes  No
0'-4'  D  Organic Matter  
4'-6'  A  1% to 3%  
1'-6'  B  1% to 4%  
Hydric Soil Indicators:
- Histosols
- Hydric Epipodzols
- Sulfic Other
- Reducing Conditions
- Oligo/Lo 7% to 15%  

Drainage Class: WD MWD SPD PD VPD  
Landscape position: concave  convex  undulating  sloping  Approximate slope:

BYROLOGY
Emissary Data (Describe in Remarks):
- No Recorded Data Available
- Stream, Lake or Tidal Gauge
- Aerial Photographs

Field Observations:
- Ground Surface Insulated ½ inch  
- Soil Saturated  
- Depth to Free Water  inches
- Depth to Saturated Soils  inches

Wetland Hydrology Indicators:
Primary Indicators:
- Inundated
- Saturation in upper 12 inches
- Water Mains
- Drift Lines
- Sediment Deposition
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water-Strained Soils
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

s:\edr\office files\forms\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (north)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common wiregrass</td>
<td>H</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>Black grass</td>
<td>W</td>
<td>FA+W</td>
<td>30</td>
</tr>
<tr>
<td>Tough wood rush</td>
<td>N</td>
<td>OB</td>
<td>10</td>
</tr>
<tr>
<td>Soapwort</td>
<td>W</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>Wild carrot</td>
<td>H</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent of Dominant OB1, FACW: 10070%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

50/50 Rule Applied? Yes No

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes No
- **Hydric Soils Present?** Yes No
- **Wetland Hydrology Present?** Yes No
- **Is this Sampling Point Within a Wetland?** Yes No
- **Hydrologic Connectivity to Off-site Wetlands?** Yes No
- **Is this Wetland Potentially Isolated?** Yes No

Remarks:

Photo Reference Number:  

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1997 C-05 Wetlands Determination Form**

---

**Project No:** 97025  
**Applicant:** Roaring Brook Wind Power Project

---

**SOILS**

<table>
<thead>
<tr>
<th>Series and Plan</th>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/undisturbance</th>
<th>Tenure, Structure, Other</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>6'</td>
<td>0</td>
<td>O</td>
<td></td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3' 6&quot;</td>
<td>A</td>
<td>75%</td>
<td>3/5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2' 6&quot;</td>
<td>B</td>
<td>35%</td>
<td>5/6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydro Soil Indicators:**
- High Org. Coarse in Surface Layer of Sandy Soil
- Organic Soaking in Sandy Soil
- Chopped or Late Chroma color
- Listed on Local Hydro Soil List
- Listed in featured for Hydro Indicators Only
- Aquatic Inshore Regime

**Landscaping:**
- Safe
- Unanimous
- Approximate slope:

---

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Field Observations</th>
<th>Wetland Hydrology Indicators</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Primary Indicators</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Undisturbed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Saturated in upper 12 inches</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water Marks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ditch Lines</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sediment Deposits</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drainage Patterns in Wetland</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oxidized Root Channels in upper 1 inch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water-Strained leaves</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Local Soil Survey</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Morphological Plant Adaptations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other (Explain in Remarks)</td>
<td></td>
</tr>
</tbody>
</table>

---

**Remarks:**
- No Wetland
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Plant Species</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H SS O V</td>
<td>FAC</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>H SS O V</td>
<td>FAC</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FACW</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>A SS T V</td>
<td>FAC</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>A SS T V</td>
<td>FAC</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>A SS T V</td>
<td>FACW</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>A SS T V</td>
<td>FAC</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 91.9%

50/20 Rule Applied? No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks: 

Photo Reference Number:

s:ldr/office files/forms/Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
FAB CONFIDENTIAL

Project No: 07035  
Applicant: Bearcreek Wind Power Project  
Investigator:  

Date: 9/12/00  
Town:  
County:  
State:  

Do normal circumstances exist on site?  
No  
Community:  

Is the site significantly disturbed?  
Yes  
T kunnen/Flag ID:  

Is the area a potential Problem Area?  
Yes  
Plot ID:  

SOILS
Series and Phase:  

Subgroup:  
Series:  
Depth:  
Matrix color:  
Matrix color/texture:  
Hydraulic Soil Indicators:  


Drainage Class:  
Confirm Mapped Type:  
Texture, Structure, Other:  

Hydric Soil Indicators:  


Landscape position:  
Approximate slope:  

Remarks:  


HYDROLOGY
Recorded Data (Describe in Remarks):  

Field Observations:  


Wetland Hydrology Indicators:  
Primary Indicators:  

Secondary Indicators (2 or more):  

Remarks:  

S:\adr\office fileforms\Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (h = 0)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Quercus falcata</td>
<td>0 H S S T V</td>
<td>FACW</td>
<td>80</td>
</tr>
<tr>
<td>2. Myrothecium truncatum</td>
<td>1 H S S T V</td>
<td>OBL</td>
<td>40</td>
</tr>
<tr>
<td>3. Cinnamomum camphora</td>
<td>1 H S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>4. Salix petulans</td>
<td>1 H S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>5. Populus balsamifera</td>
<td>1 H S S T V</td>
<td>OBL+</td>
<td>10</td>
</tr>
<tr>
<td>6. Picea mariana</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>7. Betula papyrifera</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>8. Salix petulans</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>9. Populus balsamifera</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>10. Picea mariana</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>11. Betula papyrifera</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>12. Salix petulans</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>13. Populus balsamifera</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>14. Picea mariana</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>15. Betula papyrifera</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
<tr>
<td>16. Salix petulans</td>
<td>1 H S S T V</td>
<td>-----------</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, 100%

50/50 Rule Applied? ☑ No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroxylem Presence?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Other Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Photo Reference Number: s:\edr\office\files\me\Routine Wetland Determination - rev 1.xls
Investigator: [Redacted]
Applicant: Roaring Brook Wind Power Project

Date: 9/27/02
Town: [Redacted]
County: LOWS
State: NY

Do special circumstances exist on site? [No]
Is the site significantly disturbed? [Yes]
Is the area a potential Problem Area? [Yes]

Series and Phase: Tughill stony silt loam
Drainage Class: WD WWD SPD PD
Confirm Mapped Type: [No]

Subgroup:
Depth 0-4" Horizon Name color Matrix color abundance
4-10" A
10-24"

Hydric Soil Indicators:
Home Eepodes
Reducing conditions

Hydric Horizon
High Org. Content in Surface Layer of sandy Soils
Organic Sphagnum in Sandy Soils
Gleyed or Low Chelate color

Hydric Soil List:
Listed on Local Hydric Soil List
Listed as Potential for Hydric Inclusion Only
Other (Explain in Remarks)
Aquatic Emergent Region

Remarks:

HYDROLOGY

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

Field Observations:
Ground Surface Insulated: __ inches.
Soil Saturated: __ inches.

Depth to Free Water: __ inches.
Depth to Saturated Soils: __ inches.

Wetland Hydrology Indicators:
Primary Indicators:
Saturated in upper 12 inches
Water Stains
Ditch Lines
Sediment Deposits

Secondary Indicators (2 or more required):
Circled Root Channels in upper 12 inches
Water-Stained Soils
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks: [Redacted]
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (10-20 cm)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Y. Borth</td>
<td>H SS V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>2. Sugar maple</td>
<td>H SS V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>3. Red maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>4. Buck cherry</td>
<td>H SS V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>5. Mad maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>6. Sugar maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>7. Shagbark maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>8. Silver maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>9. Red maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>10. Ws. tern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>11. Basswood</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>12. American hazel</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>13. White oak</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>14. White maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>15. White pines</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>16. Yellow pines</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 25%

50/50 Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes No
- Hydric Soils Present? Yes No
- Wetland Hydrology Present? Yes No
- Is this Sampling Point Within a Wetland? Yes No
- Hydrologic Connectivity to Off-site Wetlands? Yes No
- Is this Wetland Potentially Isolated? Yes No

Remarks:

Photo Reference Number:

s:\edc\office files\formal\Routine Wetland Determination - rev 1.xls
Project No: 67925
Applicant: Rolling Bend Wind Power Project
Investigator: Skidmore, Owings & Merrill

COMMUNITY
Do normal circumstances exist on site? Yes No
Is the site significantly altered? Yes No
Is the area a potential Problem Area? Yes No

SOILS
Subgroup: CTA (A) Highill stony silt loam
Depth Horizon Matrix color
0-2' A 095-211
2-5' B 104-66
Hydrics Soil Indicators:

<table>
<thead>
<tr>
<th>Condition</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Organic Content</td>
<td>Saturated</td>
<td>Listed as Local Hydric Soils List</td>
</tr>
<tr>
<td>Organic Burning</td>
<td>Flooded</td>
<td>Listed as Potential for Hydric Indicators Only</td>
</tr>
<tr>
<td>Low Organic</td>
<td>Other (Explain in Remarks)</td>
<td>Other (Explain in Remarks)</td>
</tr>
</tbody>
</table>

Hydraulic Soil Indicators:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
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<tbody>
<tr>
<td>High Organic Content</td>
<td>Saturated</td>
</tr>
<tr>
<td>Organic Burning</td>
<td>Flooded</td>
</tr>
<tr>
<td>Low Organic</td>
<td>Other (Explain in Remarks)</td>
</tr>
</tbody>
</table>

Language position:在外

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks):

- No Recorded Data Available
- Stream, Lake, or Tide Gauge
- Aerial Photograph

Field Observations:

- Ground Surface Insulated
- Soil Seepage

Depth to Groundwater:

- Depth to Saturated Soils: 12 inches

Wetland Hydrology Indicators:

Primary Indicators:

- Saturated in upper 12 inches
- Water Stagnation
- Deepwater
- Drainage Patterns

Secondary Indicators (2 or more required):

- Civilized Root Channels in upper 12 inches
- Water Stagnation
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

s:\acwr\office files\Form61\Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abies balsamea</td>
<td>H</td>
<td>US</td>
<td>30</td>
</tr>
<tr>
<td>Prunus persica</td>
<td>H</td>
<td>US</td>
<td>30</td>
</tr>
<tr>
<td>Vaccinium vitis</td>
<td>H</td>
<td>US</td>
<td>30</td>
</tr>
<tr>
<td><strong>Percent of Dominant Species OBL, FACW: 100%</strong></td>
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</tr>
</tbody>
</table>

50/50 Rule Applied? **No**

Remarks:

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<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
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<td></td>
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<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:
Project No: 07025  Appraiser: Roaring Brook Wind Power Project  
Investigator:  

Do normal occurrence/s exist on site?  

Yes  

No  

Community:  

Towns:  

County:  

State:  

Is the site significantly damaged?  

Yes  

No  

Is the area a potential Problem Area?  

Yes  

No  

Series and Phase:  

Subgroup:  

Depth:  

Soils Material color Material color/observation  

Texture, Structure, Other  

Hydric Soil Indicators:  

Compostion  

Silt Loam  

Drainage Class:  

WD  

MWD  

SPD  

PD  

Cultural Mapped Type:  

Field Observations:  

Ground Surface Inundated, inches.  

Soil Saturated.  

Depth to Post Water, inches.  

Depth to Saturated Soil, inches.  

Wetland Hydrology Indicators:  

Primary Indicators:  

Secondary Indicators (2 or more required)  

Overflooded Channels in upper 12 inches.  

Water Stains  

Ditch Lines  

Sediment Depots  

Drainage Patterns in Wetland  

Other (Explain in Remarks):  

Remarks:  

s:\dwr\office_files\forms\Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>SHROWN (y/n)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Alder</td>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>2. Labrador</td>
<td>H SS O V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>3. Black cherry</td>
<td>H SS O V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>4</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Yellow Birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>6. Red Maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>7. Red Oak</td>
<td>H SS T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>8. Blackberry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>9</td>
<td>H SS T V</td>
<td></td>
<td></td>
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<tr>
<td>10. Hardwood</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
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<tr>
<td>11. Yellow-cedar</td>
<td>H SS T V</td>
<td>UPL</td>
<td>40</td>
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<tr>
<td>12. Cane Dogwood</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
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<tr>
<td>13</td>
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</tr>
<tr>
<td>16</td>
<td>H SS T V</td>
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</tbody>
</table>

Percent of Dominant Species OSH, FACW, FAC **25%**

Percent of Lusineous Species OSH, FACW **0%**

50/20 Rule Applied? **No**

### WETLAND DETERMINATION

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<tr>
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<th>Yes or No</th>
<th>Hydric Soils Present?</th>
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<th>Yes or No</th>
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<th>Yes or No</th>
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<td><strong>Yes</strong></td>
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<td><strong>Yes</strong></td>
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<td><strong>Yes</strong></td>
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<td><strong>Yes</strong></td>
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</tr>
</tbody>
</table>

Remark: **Photo Reference Number:**

s:\edr\office files\forms\Routine Wetland Determination - rev 1.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07325
Applicant: Roaring Brook Wind Power Project
Investigator:

Do normal circumstances exist on site?:

Yes No

"Is the site significantly disturbed?:

Yes No

Are there potential Problem Areas?:

Yes No

Series and Plane: (Ed3) Empeyville story loam

Depth

Matrix color

Matrix coloration/direction

Texture, Structure, Other

Hydric Soil Indicators:

___Histoid Equilibrated
___Org. Content in Surface Layer of Sandy Soils
__-_Satitic Other
__-_Reducing Conditions

Concentration

Organic Matting/Channel Mats

Gleyed or Low Chroma color

Hydrologic Position:

concealed

flushing

sloping

Approximate slope:

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks):

__ No Recorded Data Available
__ Stream, Lake or Tide Gauge
__ Aerial Photographs

Field Conversions:

Ground Surface Insulatin 1/4 A inches

Soil Saturated

Depth to Free Water 1/4 A inches

Depth to Saturated Soil 1/4 A inches

Wetland Hydrology Indicators:

Primary Indicators:

__ Inundated
__ Saturated in upper 1/2 inches
__ Water N/A
__ Depth 1'-6'
__ Sediment Deposits
__ Drainage Patterns in Wetland

Secondary Indicators (2 or more required):

__ Oxferd Root Channels in upper 1/2 inches
__ Water Stained Soils
__ Local Soil Survey
__ Morphological Plant Adaptations
__ Other (Explain in Remarks)

Remarks:

s:\wp_office files\forms\Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plot D</th>
<th>Plant Species</th>
<th>Stratum (106-400)</th>
<th>Indicator</th>
<th>% Cover</th>
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</thead>
<tbody>
<tr>
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<td>H S S T V</td>
<td>FACW +</td>
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<tr>
<td>2</td>
<td>2,000/4,000</td>
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<td>4</td>
<td>2,000/4,000</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10</td>
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<tr>
<td>5</td>
<td>2,000/4,000</td>
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<td>FACW</td>
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<tr>
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<td>2,000/4,000</td>
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<td>FACW</td>
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<td>7</td>
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<td>FACW</td>
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<tr>
<td>8</td>
<td>2,000/4,000</td>
<td>H S S T V</td>
<td>FACW</td>
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<tr>
<td>9</td>
<td>2,000/4,000</td>
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<td>FACW</td>
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<td>FACW</td>
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<td>FACW</td>
<td>10</td>
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<td>2,000/4,000</td>
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<tr>
<td>14</td>
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<td>FACW</td>
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<td>15</td>
<td>2,000/4,000</td>
<td>H S S T V</td>
<td>FACW</td>
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<tr>
<td>16</td>
<td>2,000/4,000</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species (OBL, FACW, FACW)**

**50/20 Rule Applied?**

**Remarks:**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
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<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

**Remarks:**

Photo Reference Number:

a:\edr office files\forms\Routine Wetland Determination - rev 1.xls
**Project No:** 07925  
**Applicant:**Routing Brook Wind Power Project  
**Investigator:**  

<table>
<thead>
<tr>
<th>Data Form</th>
<th>ROUTINE WETLAND DETERMINATION</th>
<th>1997 COE Wetland Determination Manual</th>
</tr>
</thead>
</table>

**State:** NY  
**County:**  
**Town:**  
**DWR:**  

---

**SOILS**

| Series and Phase | EdB | Empeyville Story loam | Drainage Class | WD | WR | SE | PE | VP | WD | WR | SE | PE | VP |
|------------------|-----|-----------------------|----------------|----|----|----|----|----|----|----|----|----|----|----|

**Subgroup:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/guidance</th>
<th>Texture, Structure, Other</th>
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<tbody>
<tr>
<td>6-11&quot;</td>
<td>A</td>
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<td></td>
</tr>
<tr>
<td>11-18&quot;</td>
<td>B</td>
<td>Xopsiy's</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydrologic Indicators:**

- **Histos:**
- **Hydric Signs:**
- **Sedi Fill:**
- **Reducing Conditions:**

**Landscapes:**

- **Hillsides:**
- **Concave:**
- **Convex:**
- **Sloping:**

**Remarks:**

---

**HYDROLOGY**

- **Recorded Data:**
  - No Recorded Data Available
  - Storm, Lake or Tidal Gauge
  - Aerial Photograph

- **Field Observations:**
  - Ground Surface Inundated: inches
  - Soil Saturated: inches
  - Depth to Free Water: inches
  - Depth to Saturated Sands: inches

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Inundated
  - Saturated in upper 12 inches
  - Water Levels
  - Drift Lines
  - Sediment Deposition
  - Drainage Patterns in Wetland

**Secondary Indicators (2 or more required):**

- Oxidized Rocks/Channels in upper 12 inches
- Water-Stained Leaves
- Local Soil Survey
- Morphological Plant Adapations
- Other (Depressions in Runoff)

**Remarks:**

- No wetland indicated

---

**Enviro Design & Research**

217 Montgomery Street, Suite 1000
Syosset, New York 11791
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (2/3-row)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
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<td>FACU</td>
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</tr>
<tr>
<td>H SS D V</td>
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<td>20</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FACU</td>
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</tr>
<tr>
<td>H SS T V</td>
<td>FACU</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stratum (2/3-row)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
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<tr>
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</tr>
</tbody>
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<tr>
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<td>40</td>
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<td>FACU</td>
<td>20</td>
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<tr>
<td>H SS T V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FACU</td>
<td>15</td>
</tr>
</tbody>
</table>

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks:

---

Project Number: 07025
Applicant: Roaring Brook Wind Power Project
Date: 9/24/07
Plot E-Number: NT 01

s:edr office files/(formes)Routine Wetland Determination - rev 1.xls
**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>(EdB) Empyreville Story Iaam</th>
<th>Drainage Class:</th>
<th>WD WD WD PD PD PD</th>
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</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td></td>
<td>Confirm Mapped Type:</td>
<td>Yes No</td>
</tr>
<tr>
<td>Depth</td>
<td>Horizon</td>
<td>Matric soil</td>
<td>Matric soil moisture</td>
</tr>
<tr>
<td></td>
<td>0-6'</td>
<td>E</td>
<td>14.5 4/21</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- Conversions
- High Org. Content in Surface Layer of Sandy Soils
- Organic Streaking in Sandy Soils
- Glazed or Low-Chroma color

**Hydric Soil Type:**
- Land on Local Hydric Soils List
- Limnus Potential for Hydric Inclusions Only
- Organic Inclusions
- Aquatic Moisture Regime

**Landform:**
- concave
- convex
- sloping
- Approximately slope:

**Remarks:**
- **high organic content**

---

**HYDROLOGY**

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

- Flag observations:
  - Ground Surface Inundation
  - N/A
  - Soil saturation
  - Depth to Free Water, N/A inches.
  - Depth to Saturated Soils, N/A inches.

**Wetland Hydrology Indicators:**
- Primary Indicators:
  - Site Unique More than 12 inches
  - Water Mosaic
  - Ditch Lines
  - Sediment Deposition
- Secondary Indicators (2 or more required):
  - Overland Flow Channels More than 12 inches
  - Water-Stained Leaves
  - Local Soil Survey
  - Morphological Plant Adaptations

**Remarks:**
- s:/usr/office/file/forms/Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>1. <strong>Wild Grass</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>2. <strong>Blue Flag</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>3. <strong>Duck Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>4. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>5. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>6. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>7. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>8. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>9. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>10. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
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</tr>
<tr>
<td>11. <strong>Fern</strong></td>
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<td>S</td>
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<tr>
<td>12. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>13. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>14. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>15. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>16. <strong>Fern</strong></td>
<td>S</td>
<td>S</td>
<td>T</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW 100%

50/20 Rule Applied?  Yes No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-sites?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number: 807025

Applicant: Reoring Brook Wind Power Project

Project Number: 07025

Plot ID Number: 0.3 255
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**FDEQ Wetlands Determination Manual**

**Project No:** 97025  **Apartment:** Roaring Brook Wind Power Project

**Investigator:** T.J. Trumble

**Date:** 11/29/02

**Town:**

**Community:**

**County:**

**State:** NY

**Do natural occurrences exist on site?**

**Yes**  **No**

**Is site significantly disturbed?**

**Yes**  **No**

**Is the area a potential Problem Area?**

**Yes**  **No**

**SOILS**

**Sampler Phase:** (Eda) Empeyville story loam

**Depth:** 0.6"  **Horizon:** Orgar  **Matrix Color:** 80 (brown)

**Matrix Color Description:**

**Texture, Structure, Other:**

**Saturated Layer Rejets after**

**Hydric Soil Indicators:**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hiatus</td>
<td>Lined on Local Hydric Soils List</td>
</tr>
<tr>
<td>High Organic Content in Surface Layer of Sandy Soils</td>
<td>Listed as Potential for Hydric Indications Only</td>
</tr>
<tr>
<td>Organic Streaking in Sandy Soils</td>
<td>Other (Explain in Remarks)</td>
</tr>
<tr>
<td>High Chlorine color</td>
<td>Aquic Moisture Regime</td>
</tr>
</tbody>
</table>

**Landscape Position:**

<table>
<thead>
<tr>
<th>Position</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>concave</td>
<td></td>
</tr>
<tr>
<td>convex</td>
<td></td>
</tr>
<tr>
<td>flat</td>
<td></td>
</tr>
<tr>
<td>undulating</td>
<td></td>
</tr>
</tbody>
</table>

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**

- No Recorded Data Available

- Aerial Photographs

**Field Observations:**

- Ground Surface Inundated: inches

- Soil Saturated: inches

- Depth to Free Water: inches

- Depth to Saturated Soil: inches

**Wetland Hydrology Indicators:**

**Primary Indicators:**

- Inundated
- Saturated in upper 12 inches

- Water Stacks

- Drainage

- Sediment Deposits

**Secondary Indicators (2 or more required):**

- Overland Flow Channels in upper 12 inches

- Water-Stained Leaves

- Local Soil Survey

- Morphological Plant Adaptations

- Other (Explain in Remarks)

**Remarks:**

- No wetland

sldr office file/forms/Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (H-S-S)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>beechnut</td>
<td>H SS D V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS L V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>beech</td>
<td>H SS T V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>hawthorn</td>
<td>H SS T V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>bud月薪</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>CCA moss</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>wood fern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACU, FACU = 43%

**Remarks:** beech drops < 5%

### WETLAND DETERMINATION

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<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
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</tbody>
</table>

**Remarks:** Photo Reference Number:
SOILS
Series and Phase: __________________________ Drainage Class: WD MD SPD PD VPD
Subgroup: ___________________________ Confirm Mapped Type: Yes No
Depth 0-10" A Silt 25% Moist color/abundance Tensor, Structure, Other
10"+ Stone layer - auger rejected

Hydric Soil Indicators:
- Histic Epipedon
- Sodic Color
- Reducing Conditions

Landscape position: concave convex sloping Approximate slope:

Remarks: organic mucky soils, high organic content

HYDROLOGY
- Recorded Data (Describe in Remarks)
- No Recorded Data Available
- Aerial Photographs

Field Observations
- Y N Ground Surface Inundated _______ inches.
- Y N Soil Saturated
- Depth to Free Water: _______ inches.
- Depth to Saturated Soils: _______ inches.

Wetland Hydrology Indicators:
Primary Indicators
-  Y  Saturated in upper 12 inches.
-  Y  Water Stained leaves
-  Y  Drift Lines
- Sediment Deposits
-  Y  Drainage Patterns in Wetland

Secondary Indicators (2 or more required)
- Oxidized Root Channels in upper 12 inches
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks: rimrock emergent wetland w/some areas standing water
# VEGETATION

| Plot ID Number: WP-Q |  |
|----------------------|  |
| Project Number: 07025 |  |
| Applicant: Rearing Brook Wind Power Project |  |
| Date: 9/10/07 |  |

**Dominant Plant Species:**

<table>
<thead>
<tr>
<th>Plot</th>
<th>Code</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>S</td>
<td>S S T V</td>
<td>OBL</td>
<td>50%</td>
</tr>
<tr>
<td>2</td>
<td>S</td>
<td>S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>H S S T V</td>
<td>OBL</td>
<td>10%</td>
</tr>
</tbody>
</table>

**Remarks:**

- Turtlehead present both sides road (not dominant)
- Jewelweed, sensitive fern

---

# WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

**Remarks:**

- Photo Reference Number: 

---

s:\ldr office files\vorms\Data Form Routine Wetland Delineation.xls
Project No: 07025
Applicant: Roaring Brook Wind Power Project
Investigator: Jim Popin / Sara Stelk

Date: 9/10/07
Locality: Upper Frost
Town: Marion
County: Lewis
State: NY

Do normal circumstances exist on site? No
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

Soils

Series and Phase:

Subgroup:

Depth

Horton

Matrix color

Matrix color/abundance

Hydric Soil Indicators:

Lined on Local Hydric Soil List
Lined as Potential for Hydric Inclusions Only
Other (Explain in Remarks)
Agro-Moisture Regime
Lined on Potential Hydric Inclusion Only
Organic Soils Only

Lined on Potential Hydric Inclusions Only
Organic Soils Only

Lined on Local Hydric Soil List
Lined as Potential for Hydric Indicators Only
Agro-Moisture Regime

Landscaping position:

Approximate slope:

Remarks:

No hydric indicators

Hydrology

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

Field Observations:

Ground Surface Insulated inches
Soil Saturated

Depth to Free Water inches.
Depth to Saturated Soils inches.

Wetland Hydrology Indicators:

Primary Indicators:

Saturated in upper 12 inches.
Water Mark
Drill Lines
Sediment Deposits

Secondary Indicators (if more required):

Drainage Patterns in Wetland

Remarks:

No hydrology observed
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (each use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. yellow birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>30%</td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. black cherry</td>
<td>H S S T V</td>
<td>FACU</td>
<td>25%</td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. thistle bush</td>
<td>H S S T V</td>
<td>FACU</td>
<td>25%</td>
</tr>
<tr>
<td>6. striped maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5%</td>
</tr>
<tr>
<td>7. old maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>8.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. unknown weed fern</td>
<td>H S S T V</td>
<td>FACU</td>
<td>30%</td>
</tr>
<tr>
<td>10. Canada mayflower</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>11. Sassafras</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>12.</td>
<td></td>
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<td>14.</td>
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<td>15.</td>
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</tr>
<tr>
<td>16.</td>
<td></td>
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</tr>
</tbody>
</table>

**Remarks:** Hydrophytic vegetation mostly lacking.

### WETLAND DETEMINATION

- **Hydrophytic Vegetation Present?** Yes or No: Yes
- **Hydrologic Soils Present?** Yes or No: Yes
- **Wetland Hydrology Present?** Yes or No: Yes
- **Is this Sampling Point Within a Wetland?** Yes or No: Yes

**Remarks:**

Photo Reference Number:
**Environmental Design & Research**
217 Montgomery Street, Suite 1000
Syracuse, New York 13202

**DATA FORM**
ROUTINE WETLAND DETERMINATION
1197 COE Wetlands Definition Manual

**Project No:** 07025
**Applicant:** Running Brook Wind Power Project
**Date:** 10/10/07

**Investigator:** Sara Johnson, Jane Rupin

<table>
<thead>
<tr>
<th>Do normal circumstances exist on site?</th>
<th>Yes</th>
<th>No</th>
<th>Community: Arched Wetland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the site significantly disturbed?</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Is the area a potential Problem Area?</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

**County:** Lewis
**State:** NY

**SOILS**

<table>
<thead>
<tr>
<th>Unit and Phase</th>
<th>Drains Class</th>
<th>Woody/Wetland Spc/Phc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup</td>
<td>WD WD WD WD WD WD</td>
<td>VD VD VD VD VD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/abundance</th>
<th>Textural Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;</td>
<td>A</td>
<td>B, DK, H</td>
<td></td>
<td>Silty Loam</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- Concretions
- High Org. Content in Surface Layer of Sandy Soils
- Soil pH
- Organic Staining in Sandy Soils
- Glycol in Low Chroma color
- Aeric Moisture Region

**Landscape position:** concave\|
**Corners:** none\|
**Sloping:** Approximate slope 1 \|
**Remarks:** Hydric soils, shallow rock

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**
- No Recorded Data Available
- Stream, Lake or Tide Gauge
- Aerial Photography

**Field Observations:**
- Ground Surface Inundated inches
- Soil Saturated
- Depth to Free Water inches
- Depth to Satuated Soil inches

**Wetland Hydrology Indicators:**
- Saturated in upper 12 inches
- Water Stains
- Sediment Deposits
- Drainage Patterns in Wetland

**Secondary Indicators (2 or more):**
- Oxidized Root Channels in upper 12 inches
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

[File: edr office files/forms/Data Form Routine Wetland Determination.xls]
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratums (from top)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Jewelweed</td>
<td>S/S T V</td>
<td>FACW</td>
<td>50%</td>
</tr>
<tr>
<td>2. Sensitive Fern</td>
<td>S/S T V</td>
<td>FACW</td>
<td>25%</td>
</tr>
<tr>
<td>3. Tussock Sedge</td>
<td>S/S T V</td>
<td>OBC</td>
<td>25%</td>
</tr>
<tr>
<td>4. Bog Pine (B. Smilacifolia)</td>
<td>B/S T V</td>
<td>FACW</td>
<td>10%</td>
</tr>
<tr>
<td>5. Yellow Birch</td>
<td>H/S S T V</td>
<td>FAC</td>
<td>30%</td>
</tr>
<tr>
<td>6. Old People</td>
<td>H/S S T V</td>
<td>FAC</td>
<td>15%</td>
</tr>
<tr>
<td>7. Sugar Maple</td>
<td>H/S S T V</td>
<td>FACW</td>
<td>50%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **60%**

Percent of Dominant Species OBL, FACW: **60%**

50/50 Rule Applied: **No**

Remarks: *wetland is narrow - canopy trees growing upland but standing wetland*

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present</th>
<th>Yes or No</th>
<th>Hydric Soils Present</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present</th>
<th>Yes or No</th>
<th>&gt; the Sampling Point Within a Wetland</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks: Photo Reference Number:

s:/edr office files/forms/Data Form Routine Wetland Delineation.xls
Project No: 07025
Applicant: Barlow Bank Wind Power Project
Date: 9/10/07
Investigator: Jim Pool / Save Shinnecock
Community: Restored Upland
Town: Martinburg
County: Long
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is there a potential Problem Area? No

SOILS
Series and Phase:
Subgroup: 0-10 "
Matrix color: 10YR 4/4
Matrix color/bandings: 10YR 4/4
Texture, Structure, Other: soil

Hydric Soil Indicators:
-Historic/Episodic
-High Org. Content in Surface Layer of Sandy Soils
-Organic Streaking in Sandy Soils
-Stagnant or Low Chrono-color

Landuse/Uses: crop

Remarks: no hydric soils

HYDROLOGY
Recorded Data/Describe in Remarks:
Field Observations:
--- Ground Surface inundation inches.
--- Soil Saturated depth to free water inches.
--- Depth to saturated soil inches.

Wetland Hydrology Indicators:
Primary Indicators:
--- Surface water
--- Water Stained leaves
--- Sediment Depots

Secondary Indicators (if not required):
--- Water Stained leaves
--- Local Soil Survey
--- Morphological Plant Adaptations
--- Other (Explain in Remarks)

Remarks: no hydric indicators

slea-office-8/forms/Data Form Routine Wetland Determination.xl
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Strategy (Horizontal)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sugar Maple</td>
<td>H S S E</td>
<td>FACW-</td>
<td>30 %</td>
</tr>
<tr>
<td>Beech</td>
<td>H S S T V</td>
<td>FACU-</td>
<td>25 %</td>
</tr>
<tr>
<td>Blackberry</td>
<td>H S S T V</td>
<td>FAU-</td>
<td>50 %</td>
</tr>
<tr>
<td>Lady Fern</td>
<td>H S S T V</td>
<td>FAC-</td>
<td>20 %</td>
</tr>
<tr>
<td>Spotted Asparagus Fern</td>
<td>H S S T V</td>
<td>FACW</td>
<td>15 %</td>
</tr>
<tr>
<td>Pitch Pine</td>
<td>H S S T V</td>
<td>FAU-</td>
<td>15 %</td>
</tr>
<tr>
<td>Persimmon Kaki</td>
<td>H S S T V</td>
<td>UPI-</td>
<td>60 %</td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC

50/20 Rule Applied?  Yes  No

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present?  Yes  No

Hydric Soil Present?  Yes  No

Wetland Hydrology Present?  Yes  No

Is this Sampling Point Within a Wetland?  Yes  No

Remarks:

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
### DATA FORM
#### ROUTINE WETLAND DETERMINATION

**1987 CPM Wetlands Declaration Manual**

**Project No:** 07025  
**Applicant:** Running Brook Wnd Power Project  
**Date:** 9/10/07

**Investigator:** Jim Popp / Sara Stoblitss  
**Town:** Martinsburg  
**County:** Lewis  
**State:** WV  
**Plot ID:** wetland_perp S

**Do normal circumstances exist on site?** No  
**Community:** wetlands

**Is the site significantly disturbed?** Yes  
**TransactFlag ID:** S1

**Is the area a potential Problem Area?** No

### SOILS

**Series and Phase:**  
**Drainage Class:** WD MW SPD PD VPD  
**Conservation Mapped Type:** Yes No

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Horizon</th>
<th>Main Color</th>
<th>Martic Color Abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.16</td>
<td>A</td>
<td>101 8/1</td>
<td></td>
<td>Silty loam</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**  
**Listed in Local Hydric Soils List:**  
**Listed as Proposed for Hydric Inclusions Only:**  
**Other (Explain in Remarks):**

**Landscape position:**

<table>
<thead>
<tr>
<th>Proximity</th>
<th>Slope</th>
</tr>
</thead>
<tbody>
<tr>
<td>close</td>
<td>moderate</td>
</tr>
</tbody>
</table>

**Approximate slope:**  
**Remarks:** Much organic soil - muddy clays

### HYDROLOGY

**Recorded Data (Describe in Remarks):**  
**Field Observations:**

- **No Recorded Data Available**
- **Soil, Lake or Tide Gauge**
- **Aerial Photographs**
- **Pluvial Observations:**
  - **Ground Surface Inundated** inches.
  - **Soil Inundated**
  - **Depth to Free Water** inches.
  - **Depth to Saturated Soils** inches.

**Hydric Hydrology Indicators:**

**Primary Indicators:**

- **Saturation in upper 12 inches**
- **Water Marks**
- **Ditch Lines**
- **Sediment Deposition**

**Secondary Indicators (2 or more required):**

- **Dissolved Root Channels in upper 12 inch**
- **Water-Stained Leaves**
- **Local Soil Survey**
- **Morphological Plant Adaptations**
- **Other (Explain in Remarks):**

**Remarks:** Hummocky

s:\\edr\office\files\forms\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>green ash</td>
<td>H SS</td>
<td>FACW</td>
<td>25%</td>
</tr>
<tr>
<td>yellow birch</td>
<td>H SS</td>
<td>FAC</td>
<td>25%</td>
</tr>
<tr>
<td>willow</td>
<td>H SS</td>
<td>FACW</td>
<td>25%</td>
</tr>
<tr>
<td>velvetleaf blucryp</td>
<td>H SS</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS</td>
<td>FAC</td>
<td>25%</td>
</tr>
<tr>
<td>证券投资</td>
<td>H SS</td>
<td>FACW</td>
<td>25%</td>
</tr>
<tr>
<td>sea-grape fern</td>
<td>H SS</td>
<td>FACW</td>
<td>30%</td>
</tr>
<tr>
<td>willow</td>
<td>H SS</td>
<td>OBL</td>
<td>10%</td>
</tr>
<tr>
<td>flat toprose</td>
<td>H SS</td>
<td>FACW</td>
<td>15%</td>
</tr>
<tr>
<td>cone mass fern</td>
<td>H SS</td>
<td>FACW</td>
<td>30%</td>
</tr>
<tr>
<td>beggar's ticks (B. ardens)</td>
<td>H SS</td>
<td>FACW</td>
<td>5%</td>
</tr>
<tr>
<td>sphagnum</td>
<td>H SS</td>
<td>FACW</td>
<td>5%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

**5/20 Rate Applied?** Yes / No

Percent of Dominant Species OBL, FACW: 65%

**Remarks:**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes / No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes / No</td>
</tr>
</tbody>
</table>

**Remarks:** wetland vegetation

Photo Reference Number: [s:\edr office files\forms\Data Form Routine Wetland Delineation.xls]
DATA FORM
ROUTE WETLAND DETERMINATION
USFWS Wetlands Determination Manual

Project No: P7025
Applicant: Bearing Brook Wind Power Project
Investigator: James福田/Sara Kennedy

Date: 9/10/07
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes
Community: Possible Upload
Treasure/Flag ID: S1
Plot ID: Upward point on S

SOILS
Series and Phase: __________
Subgroup: __________
Depth: __________
Texture: Structure, Other: Silty Loam
Hydric Soil Indicators:

Landscape position: flood
Remarks: high organic content

No Hydro Indications

HYDROLOGY
Recorded Data (Describe in Remarks)
No Recorded Data Available
Streams, Lake or Tide Gauge
Aerial Photographs

Field Observations
Ground Surface Inundated _______ inches
Soil saturated
Depth in Free Water _______ feet
Depth to Saturated Soil _______ inches

Wetland Hydrology Indicators:
Primary Indicators
Inundated
Saturation in upper 12 inches
Water Mark
Ditch Lines
Sediment Deposition
Drainage Patterns in Wetland

Secondary Indicators (7 or more required)
Oxidized Root Channels in upper 12 inches
Water-Stained leaves
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks: No wetland hydrology

s:ledr office files/formsData Form Routine Wetland Determination.xls
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum: (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. White Spruce</td>
<td>H SS O V</td>
<td>FAC</td>
<td>40%</td>
</tr>
<tr>
<td>2. Balsam Fir</td>
<td>H SS O V</td>
<td>FACU</td>
<td>70%</td>
</tr>
<tr>
<td>3. Lodgepole Pine</td>
<td>P SS T V</td>
<td>FACU</td>
<td>25%</td>
</tr>
<tr>
<td>4. Hemlock</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>5. Red Maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>36%</td>
</tr>
<tr>
<td>6. Red Oak</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>7. Beech</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20%</td>
</tr>
<tr>
<td>8. White Pine</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>9. Red Alder</td>
<td>H SS T V</td>
<td>FAC</td>
<td>3%</td>
</tr>
<tr>
<td>10. Canada Mayflower</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>11. Intermediate Wood Fern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20%</td>
</tr>
<tr>
<td>12. Sassafras</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>13. Red Oak</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>14. White Pine</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>15. Red Alder</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>16. Red Spruce</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 33%
Percent of Dominant Species OBL, FACW:
50/20 Rule Applied? Yes No

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydric Soils Present? Yes or No
Wetland Hydrology Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No

Remarks:

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 COE Wetlands Delineation Manual
Project No: 07025
Applicant: Bunyard Brook Wind Power Project
Investigator: Sara Seibert, P.E.

Date: 9/10/02
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? ☑ Yes ☑ No
Community:

Is the site significantly disturbed? ☑ Yes ☑ No
Tremend/Flag ID:

Is the area a potential Problem Area? ☑ Yes ☑ No
Plot ID: 0922-P00

SOILS:
Series and Phase:
Subgroup:
Depth

Hydric Soil Indicators:

Confinement:

Hydrology:

Recorded Data (Describe in Remarks)

Field Observations

No Recorded Data Available

Ground Surface Inundated

Stream, Lake or Tidal Gauge

Soil Saturated

No

Inundated

Saturation in upper 12 inches

Saturation in lower 12 inches

Water Stains

Drift Lines

Sediment Deposits

X Drainage Patterns in Wetland

Wetland Hydrology Indicators:
Primary Indicators
Secondary Indicators (2 or more required)

Oxidized Root Channels in upper 12 inches

Water-Stained leaves

Local Soil Survey

Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks:

Hydrology:

HYDROLOGY

No recorded data available.

Field Observations:

Ground surface inundated...inches.

Stream, lake or tidal gauge.

Soil saturated.

Depth in free water...inches.

Depth to saturated soils...inches.

Wetland Hydrology Indicators:

Primary Indicators:

Inundated

Saturation in upper 12 inches

Water Stains

Drift Lines

Sediment Deposits

X Drainage Patterns in Wetland

Secondary Indicators (2 or more required):

Oxidized Root Channels in upper 12 inches

Water-Stained leaves

Local Soil Survey

Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks:

Hydrology:

Remarks:

Hydrology:

Remarks: hummocky terrain.

Sara Seibert, P.E.
**Vegetation**

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joe Pye weed</td>
<td>S S T V</td>
<td>FACW</td>
<td>60.7%</td>
</tr>
<tr>
<td>Hubbard</td>
<td>S S T V</td>
<td>OBL</td>
<td>10.9%</td>
</tr>
<tr>
<td>Sensitive Fern</td>
<td>S S T V</td>
<td>FACW</td>
<td>2.5%</td>
</tr>
<tr>
<td>Purple-stemmed aster</td>
<td>S S T V</td>
<td>OBL</td>
<td>10.0%</td>
</tr>
<tr>
<td>Common Fern</td>
<td>S S T V</td>
<td>FACW</td>
<td>10.0%</td>
</tr>
<tr>
<td>Cotton</td>
<td>S S T V</td>
<td>OBL</td>
<td>10.0%</td>
</tr>
<tr>
<td>Jewelweed</td>
<td>S S T V</td>
<td>FACW</td>
<td>2.0%</td>
</tr>
<tr>
<td>Lady Fern</td>
<td>H S S T V</td>
<td></td>
<td>5.0%</td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td>FACW</td>
<td>3.0%</td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td>FAC</td>
<td>10.0%</td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

**Wetland Determination**

- Hydrophytic Vegetation Present? Yes
- Hydric Soils Present? Yes
- Wetland Hydrology Present? Yes
- Is this Sampling Point Within a Wetland? Yes

Remarks:

Photo Reference Number:

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
Project No: 0702
Applicant: Raging Brook Wind Power Project
Deer: 9/10/07
Investigator: Sara Skawinska, Jim Pippin
Community: upland
County: Martin
State: NY

Do normal circumstances exist on site? ☐ Yes ☐ No
Is the site significantly disturbed? ☐ Yes ☐ No
Is the area a potential Problem Area? ☐ Yes ☐ No

SOILS
Series and Phase: 
Subgroup: 
Depth:
Horizon: D black organic soil
Matrix color: 
Mottle color/abundance: 
Textural Structure, Other: 
Condensed Mapped Type: Yes ☐ No ☐
Drainage Class: WD NWD SPD PD VPD

Hydric Soil Indicators:

<table>
<thead>
<tr>
<th>Horizon</th>
<th>Conversions</th>
<th>Listed on Local Hydric Soil List</th>
<th>Listed as Potential for Hydric Inclusions Only</th>
<th>Other (Explain in Remarks)</th>
<th>Aquatic Macro Fauna</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histosol</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodic Soil</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skematized</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Landscape position:
Conservation Farming ☒ Convex ☐ Conca ve ☐ Sloping ☐
Approximate slope:

Remarks:
Soil dry, crumbly, non hydric high organic content, lots woody debris

HYDROLOGY
Recorded Data (Describe in Remarks) ☐ No Recorded Data Available
Stream, Lake, or Tidel Gauge:
Aerial Photographic:
Field Observations:
Ground Surface Inundation inches.
Soil Sammared
Depth to Free Water inches
Depth to Saturation Soils inches

Water Quality Indicators:
Primary Indicators:
1. Saturated in upper 12 inches
2. Water Stains
3. Soiled Banks
4. Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
Oxidized Root Channels in upper 12 inches
Water Stains Leaves
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks:
No hydrology

*dirt office*.xlsx/forms/Data Form Routine Wetland Determination.xlsx
# VEGETATION

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>2</td>
<td>FAC</td>
<td>20%</td>
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<tr>
<td>3</td>
<td>FAC</td>
<td>10%</td>
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<tr>
<td>4</td>
<td>FAC</td>
<td>30%</td>
</tr>
<tr>
<td>5</td>
<td>FAC</td>
<td>10%</td>
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<tr>
<td>6</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>7</td>
<td>FAC</td>
<td>15%</td>
</tr>
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<td>8</td>
<td>FAC</td>
<td>10%</td>
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<td>9</td>
<td>FAC</td>
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<td>11</td>
<td>FAC</td>
<td>5%</td>
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<tr>
<td>12</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>13</td>
<td>FAC</td>
<td>5%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 25%

Remarks: Upland vegetation, sparse tall grass

---

# WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No: Yes
Hydric Soils Present? Yes or No: Yes
Wetland Hydrology Present? Yes or No: Yes
Is this Sampling Point Within a Wetland? Yes or No: Yes

Remarks: Photo Reference Number:

File: Survey office files/forms/Data Form Routine Wetland Delineation.xlsx
Project No: 07025
Applicant: Hoising Brook Wind Power Project
Date: 9/11/07
Investigator: Stebing/Hepner/Schremmer
Community: annual
County: Lewis
Do normal circumstances exist on site? Yes
In the site significantly disturbed? Yes
Is the area a potential Problem? Yes
Plot ID: —
Site: NY

SOILS
Series and Phase:
Depth Horizon Matrix color
0-16 A
10/21
Hydric Soil Indicators:

Landscape position: southwest

Remarks: Black soil, high organic content

HYDROLOGY
Recorded Data (Describe in Remarks)
Field Observations
Stream, Lake or Tide Gauge
Soil Condition: Neutral
Aerial Photographs

Depth to Free Water: 0 inches
Depth to Saturated Soils: 0 inches

Primary Indicators:

Secondary Indicators (2 or more required)

Remarks: Hummocky terrain
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (code use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>black spruce</td>
<td>H SS T V</td>
<td>FACW</td>
<td>30%</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>black spruce</td>
<td>H SS T V</td>
<td>FACW</td>
<td>25%</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>15%</td>
</tr>
<tr>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>mountain holly</td>
<td>H SS T V</td>
<td>OBL</td>
<td>20%</td>
</tr>
<tr>
<td>small sedge</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Virginian pine</td>
<td>H SS T V</td>
<td>FACW</td>
<td>25%</td>
</tr>
<tr>
<td>bluebeard lily</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>spiregome</td>
<td>H SS T V</td>
<td>FACW/OBL</td>
<td>40%</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC = 100%
Percent of Dominant Species OBL, FACW = 75%

50/50 Rule Applied? [ ] Yes [ ] No

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes [ ] No [ ]</th>
<th>Hydric Soils Present?</th>
<th>Yes [ ] No [ ]</th>
<th>Wetland Hydrology Present?</th>
<th>Yes [ ] No [ ]</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes [ ] No [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
2007 COG wetland Determination Manual

Project No: 07025
Applicant: Havana Brook Wind Power Project

Date: 9/11/07
Town: Martensburg
County: Lewis
State: NY

Investigator: Schrader/Schneider/White

De-normal circumstances exist or not? Yes
Community: 

Is the site significantly disturbed? Yes
Traffic/Flag ID: 

Is the area a potential Problem Area? Yes
Plot ID: Upland point @ 

SOILS
Series and Phase:
Subgroup: 
Depth Horizon Matrix color Matrix color/abundance Texture, Structure, Other
0-10
10+ 

Hydro Soil Indicators:

Concentrations
High Org. Content in Surface Layer of Sandy Soils
Organic Storaking in Sandy Soils
Oxidized or Low Chrome color

Land on Local Hydro Soil List
Listed as Potential for Hydro Inclusion Only
Other (Explain in Remarks)
Aquic moisture Region

Landscape position: 
convex concave 

Remarks: No Hydro Soil

HYDROLOGIE

Recorded Data (Describe in Remarks)

Field Observations
Ground Surface Inundated inches
Soil Saturation
Depth to Free Water inches
Depth to Saturation Soil inches

Wetland Hydrology Indicators:

Primary Indicators

Inundated
Saturation in upper 12 inches
Water Marks
Drift Lines
Seepage Deposits

Secondary Indicators (2 or more required)

Carbonized Root Channels in upper 12 inches
Water-Stained leaves
Local Soil Survey
Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks: No Wetland Hydrology

a:ledr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle only)</th>
<th>Indicator</th>
<th>% Co+07</th>
</tr>
</thead>
<tbody>
<tr>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>40%</td>
</tr>
<tr>
<td>balsam fir</td>
<td>H SS O V</td>
<td>FAC</td>
<td>30%</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS V V</td>
<td>FAC</td>
<td>30%</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>bobbitbush</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>partridgeberry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>25%</td>
</tr>
<tr>
<td>bunchberry</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>25%</td>
</tr>
<tr>
<td>1stemol aleocon</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>goldenrod</td>
<td>H SS T V</td>
<td>FACW</td>
<td>10%</td>
</tr>
<tr>
<td>12th mara mayflower</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBI, FACW, FAC: 86%

50% Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophyte Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number:

---

vedr office files/forms/Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
U.S. COE Wetland Determination Form

Project No: 07025
Applicant: Roaring Brook Wind Power Project

Investigator: Stedman/Papp/Schrammer

Date: 9/11/07
City: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Y

Is the site significantly disturbed? Y

Is the area a potential Problem Area? Y

Drainage Class: UD
Texture, Structure, Other: Silty Loam

SOILS
Series and Phase:

Subgroup:

Depth Horizon Matrix color Matrix color/abundance Texture, Structure, Other

Hydric Soil Indicators:

Landscape position:

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks)

Field Observations:

Vegetation:

Soil Conditions:

Depth to Free Water: 0 inches

Depth to Saturated Soil: 0 inches

Wetland Hydrology Indicators:

Primary Indicators:

Secondary Indicators (2 or more required):

Water Strained leaves
Local Soil Survey
 Morphological Plant Adaptations

Drift Line

Sediment Deposits

Outlet Patterns in Wetland

Drainage: No Recorded Data Available
Stream, Lake or Tide Gauge
Aerial Photographs

Ground Surface Undulated: 0-4" inches

Soil Saturated

Water Strained leaves

Land Survey

Morphological Plant Adaptations

Other (Explain in Remarks)

g-marked:


e:edr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (side and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Narrow-leaf cattails</td>
<td>S S T V</td>
<td>DBL</td>
<td>75%</td>
</tr>
<tr>
<td>Purple-stemmed picker</td>
<td>S S T V</td>
<td>DBL</td>
<td>50%</td>
</tr>
<tr>
<td>Soft rush</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10%</td>
</tr>
<tr>
<td>Assateague grass</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10%</td>
</tr>
<tr>
<td>Redtop sedge</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10%</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FACW:** 100%

50/20 Rate Applied? **Yes**

Remarks: also not dominant narrow-leaved goldenrod, grass-like form

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? **Yes**
Hydric Soils Present? **Yes**
Is this Sampling Point Within a Wetland? **Yes**

Remarks: Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**
1981 COE Wetland Determination Manual

<table>
<thead>
<tr>
<th>Project No.</th>
<th>0-125</th>
<th>09025</th>
<th>07025</th>
</tr>
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<tbody>
<tr>
<td>Applicant:</td>
<td>Roaring Brook Wind Power Project</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investigator:</td>
<td>S. L. Toy/K. P. Nygreen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td>9/1/07</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tower:</td>
<td>Martinusburg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td>Lewis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Do normal circumstances exist on site? Yes
- Is the site significantly disturbed? No
- Is the area a potential Problem Area? Yes
- Transect/Plot ID: W
- Plot ID: upload point @ W

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Subgroup</th>
<th>Drainage Class</th>
<th>Topographic Map Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>WD MWD SPD PD VPD</td>
<td>Yes No</td>
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</table>

<table>
<thead>
<tr>
<th>Depth Horizon</th>
<th>Matrix Color</th>
<th>Moonsite/absence</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-12</td>
<td>O</td>
<td>Organic clay loam</td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- _Holes:
  - Concretions
  - Organic Contents in Surface Layer of Sandy Soils
  - Organic Streaking in Sand Soils
  - Clayey or Low Chroma color

**Landscape position:**
- Concave
- Convex
- Flat
- Undulating
- Approximate slope: x

**Remarks:**
Upload area adjacent to wetland very disturbed, soil pushed up from roadway, no soilLOS.

**HYDROLOGY**

- Recorded Data (Describe inRemarks): No Recorded Data Available
- Field Observations:
  - Ground Surface Insulated: 10 inches
  - Soil Saturated: 10
  - Depths to Free Water: inches
  - Depths to Saturated Soils: inches

**Wetland Hydrology Indicators:**
- Primary Indicators:
  - Saturated in upper 12 inches.
  - Water Marks
  - Sediment Deposits
- Secondary Indicators (2 or more required):
  - Occluded Root Channels in upper 12 inches
  - Water-Stained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks:**
No wetland hydrology

s:edr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (mock use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heaucory</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>40%</td>
</tr>
<tr>
<td>Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10 30</td>
</tr>
<tr>
<td>Hapkapory</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10 30</td>
</tr>
<tr>
<td>Sugar maple</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>15 20</td>
</tr>
<tr>
<td>Black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5 20</td>
</tr>
<tr>
<td>Yellow bich</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10 30</td>
</tr>
<tr>
<td>Ale 1</td>
<td>H SS T V</td>
<td>FACW</td>
<td>5 20</td>
</tr>
<tr>
<td>Ale 2</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5 20</td>
</tr>
<tr>
<td>Ale 3</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5 20</td>
</tr>
<tr>
<td>Ale 4</td>
<td>H SS T V</td>
<td>FACU</td>
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<td>Ale 5</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5 20</td>
</tr>
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<td>Ale 6</td>
<td>H SS T V</td>
<td>FACU</td>
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<td>H SS T V</td>
<td>FACU</td>
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<td>Ale 10</td>
<td>H SS T V</td>
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<td>Ale 11</td>
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<td>H SS T V</td>
<td>FACU</td>
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<td>Ale 13</td>
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<td>Ale 14</td>
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<td>Ale 15</td>
<td>H SS T V</td>
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<td>5 20</td>
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<tr>
<td>Ale 16</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5 20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC 50%: 25%

50/20 Rate Applied? Yes No

Remarks: Thick brambles, little herbaceous vegetation

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes No
- Hydric Soils Present? Yes No
- Wetland Hydrology Present? Yes No
- Is this Sampling Point Within a Wetland? Yes No

Photo Reference Number: [s:edr office files/forms/Data Form Routine Wetland Delineation.xls]
### SOILS

**Series and Phase:**

**Subgroup:**

**Soil Color:**

**Sandy Silty Clay**

**Hydric Soil Indicators:**

- **Concretions:**
- **High Org. Content in Surface Layer of Sandy Soils:**
- **Organic Stepping in Sandy Soils:**
- **Gleyed or Low Chroma color:**

**Landslide position:**

- **Convex**
- **Sloping**

**Hydrology**

**Recorded Data:**

- **Field Observations:**
  - **Ground Surface Inundated:**
  - **Soil Saturation:**
  - **Depth to Free Water:**
  - **Depth to Saturated Soil:**

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - **Saturation in upper 12 inches:**
  - **Water Mark:**
  - **Drift Lines:**
  - **Sediment Deposits:**
  - **Drainage Patterns in Wetland:**

**Secondary Indicators:**

- **Local Soil Survey:**
- **Morphological Plant Adaptations:**
- **Other (Explain in Remarks):**

**Remarks:**

- **Hummocky terrain**

---

**Applicant:** Roaring Brook Wind Power Project

**Investigator:** Skibby/Pirpen/Schmittenover

**Community:**

**County:** Lewis

**State:** NY

**Date:** 9/11/07

**TransmitFlag:** X

**Melt ID:**

---

**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

1991 CDE Wetlands Determination Manual

274 North Goodman Street

Rochester, New York 14607

---

**Project No:** 07025

---

**Environmental Design & Research**

271 Montgomery Street, Suite 1000

Syracuse, New York 13202

---

**Do normal circumstances exist on site?**

- Yes

**Is the site significantly disturbed?**

- Yes

**Is the area a potential Problem Area?**

- Yes

---

s:edr office files\formal\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plt</th>
<th>Dominant Plot Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1) WIDE GRASS</td>
<td>S/S T V</td>
<td>FACW</td>
<td>60%</td>
</tr>
<tr>
<td>2</td>
<td>2) SENSITIVE Sedge</td>
<td>S/S T V</td>
<td>FACW</td>
<td>50%</td>
</tr>
<tr>
<td>3</td>
<td>3) CEP SEDGE</td>
<td>S/S T V</td>
<td>FACW+</td>
<td>20%</td>
</tr>
<tr>
<td>5</td>
<td>4) SEDGE</td>
<td>S/S T V</td>
<td>FACW OBJ</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>5) SEDGE</td>
<td>S/S T V</td>
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</tr>
<tr>
<td>8</td>
<td>6) SEDGE</td>
<td>S/S T V</td>
<td></td>
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<td>9</td>
<td>7) SEDGE</td>
<td>S/S T V</td>
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<td>10</td>
<td>8) SEDGE</td>
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<tr>
<td>13</td>
<td>11) SEDGE</td>
<td>S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>12) SEDGE</td>
<td>S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>13) SEDGE</td>
<td>S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>14) SEDGE</td>
<td>S/S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW+: **100%**

Percent of Dominant Species OBL, FACW, FACW+: **00%**

50/20 Rule Applied?  **Yes** No

Remarks:

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present?  **Yes** No
- Hydric Soils Present?  **Yes** No
- Wetland Hydrology Present?  **Yes** No
- Is this Sampling Point Within a Wetland?  **Yes** No

Remarks:

Photo Reference Number:

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**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1987 CDE Wetlands Determination Manual**

<table>
<thead>
<tr>
<th>Project No.</th>
<th>07025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Reading Brook Wind Power Project</td>
</tr>
<tr>
<td>Date</td>
<td>11/10/7</td>
</tr>
<tr>
<td>Town</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>NY</td>
</tr>
</tbody>
</table>

**SOLIS**

<table>
<thead>
<tr>
<th>Soil Type</th>
<th>Horizon</th>
<th>Color</th>
<th>Mottling/Abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-8' A</td>
<td>Organic marker</td>
<td>25% x 7/4</td>
<td></td>
<td>sand</td>
</tr>
<tr>
<td>8' + B</td>
<td>organic</td>
<td>75% x 4/6</td>
<td></td>
<td>sand</td>
</tr>
</tbody>
</table>

**Hydro Soil Indicators**

- Concretion
- Holistic Epigrowth
- High Org. Content in Surface Layer of Sandy Soils
- Laid as Potential for Hydro Inclusion Only
- Organic Streaking in Sandy Soils
- Other (Explain in Remarks)
- Clayey or Low Colored color
- Aquatic Moisture Regime

**Landscape Position**

- concave
- convex
- sloping
-   
- approximate slope X

**Remarks:**

**HYDROLOGY**

- Recorded Data (Describe in Remarks)
- Basic Recorded Data Available
- Strain, Lake or Tide Gauge
- Aerial Photographs

<table>
<thead>
<tr>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Surface Inundated inches.</td>
</tr>
<tr>
<td>Soil Saturated.</td>
</tr>
<tr>
<td>Depth to Free Water inches.</td>
</tr>
<tr>
<td>Depth to Saturated Soil inches.</td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators**

- Primary Indicators
- Secondary Indicators (2 or more required)
- Belmont
- Swamp in upper 12 inches
- Water Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

- No wetland hydrology

a/cdr office files/forms/Data Form Routine Wetland Determination.xls
VEGETATION

Dominant Plant Species:

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yellow Birch</td>
<td>H</td>
<td>SS</td>
<td>V</td>
</tr>
<tr>
<td>2</td>
<td>Sugar Maple</td>
<td>H</td>
<td>SS</td>
<td>V</td>
</tr>
<tr>
<td>3</td>
<td>Red Maple</td>
<td>H</td>
<td>SS</td>
<td>V</td>
</tr>
<tr>
<td>4</td>
<td>Black Cherry</td>
<td>H</td>
<td>SS</td>
<td>V</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>6</td>
<td>Golden Rod</td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>7</td>
<td>Blackberry</td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>8</td>
<td>Beech</td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>9</td>
<td>Red Maple</td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>11</td>
<td>Hayslip</td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>12</td>
<td>Canada Maple</td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>13</td>
<td>Dogwood</td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
<tr>
<td>14</td>
<td>Goldthread</td>
<td>H</td>
<td>SS</td>
<td>T</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: %

Percent of Dominant Species OBL, FACW: %

50/50 Rule Applied? No

Remarks: no wetland vegetation

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Remarks: Photo Reference Number:

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**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1997 CDI Wetlands Determination Manual**

**Project No:** 07025  
**Applicant:** Rearing Brook Wind Power Project  
**Date:** 9/1/07  
**Town:** Martinburg  
**County:** Lewis  
**State:** NY

**Soils**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color/Abundance</th>
<th>Tenure, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.6&quot;</td>
<td>A</td>
<td>none</td>
<td>silt loam</td>
</tr>
</tbody>
</table>

**Hydraulic Indicators:**

- **Potential**
  - Organic Stained in Surface Layer of Sandy Soils
  - Organic Stained in Sandy Soils
  - Clayey or Low-Chroma color

**Hydrology**

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
  - Storm, Lake or Tide Gauge
  - Aerial Photography

**Field Observations:**

- **Ground Surface Inundated:** Yes
- **Soil Saturated:**
- **Depth to Free Water:** inches
- **Depth to Saturated Soil:** inches

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - X Satuated in upper 12 inches
  - Water Marks
  - Drift Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

- **Secondary Indicators (2 or more required):**
  - X Water Stained Leaves
  - Local Soil Survey
  - Morphological Plant Adaptations

**Remarks:**

- Black soil, high organic content

---

s:edr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Structure Type</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Yellow Birch</td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>2. Black Locust</td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>3. Sycamore</td>
<td>H</td>
<td>FAC</td>
<td>30%</td>
</tr>
<tr>
<td>4.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>5. Oak</td>
<td>H</td>
<td>OLB</td>
<td>10%</td>
</tr>
<tr>
<td>6. Red Maple</td>
<td>H</td>
<td>FAC/ OLB</td>
<td>95%</td>
</tr>
<tr>
<td>7. Joe Pye Weed</td>
<td>H</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>8.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FAC, FAC: 100%
Percent of Dominant Species OBL, FAC, FAC: 50%

50/20 Rule Applied?  No

Remarks:

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes
- Hydric Soils Present? Yes
- Wetland Hydrology Present? Yes
- Is this Sampling Point Within a Wetland? Yes

Remarks:

Photo Reference Number:

File:

Office of files/forms/ Data Form Routine Wetland Delineation.xls
Do normal circumstances exist on site?  Yes  No
Is the site significantly disturbed?  Yes  No
Is the area a potential Problem Area?  Yes  No

SOILS
Series and Phase:  
Subgroup:  
Depth Horizon Matrix color Matte color/abundance Texture, Structure, Other
0-10" Organic, dry, crumbly
10"+ Gray, loose, crumbly

Hydric Soil Indicators:

Conventions:  
High-Org. Content in Surface Layer of Sandy Soils
Organic Steaking in Sandy Soils
Gleyed or Low Chroma color

Listed on Local Hydric Soil List
Listed in Potential for Hydric Inclusion Only
Other (Explain in Remarks)
Aquatic Moisture Regime

Landscape position: concave convex sloping

Remarks: no hydric soils

HYDROLOGY
Recorded Data (Describe Remarks):
No Recorded Data Available
Stream, Lake or Tide Gauge
Aerial Photograph

Ground Surface Inundated inches
Soil Satuated
Depth to Free Water inches
Depth to Satuarated Soils inches

Wetland Hydrology Indicators:
Primary Indicators:  
Satuated in upper 12 inches.
Water Marks
Drift Lines
Sediment Deposits
Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
Drained Root Channels in upper 12 inches
Water-Stained levees
Ls of test Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks: no wetland hydrology
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratify (row X col)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H SS T V</td>
<td>FAC</td>
<td>60%</td>
</tr>
<tr>
<td>2</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>3</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>4</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>5</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>6</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>7</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>8</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>9</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>10</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>11</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>12</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>13</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>14</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>15</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
<tr>
<td>16</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FAC: 67%
Percent of Dominant Species OBL, FACW: 17%

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Remarks:
Project No: 07025  
Applicant: Jaybird Wind Development

DATA FORM
ROUTINE WETLAND DETERMINATION
1987 COE Wetlands Definition Manual

Investigator: Jaybird Wind Development

Town: Martinsburg  
County: Lewis  
State: NY

Do normal circumstances exist on-site? Yes  
Is the site significantly disturbed? Yes  
Is the area a potential Problem Area? Yes

SOILS

Depth and Phase:  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5&quot;</td>
<td>0</td>
<td>Organic</td>
</tr>
<tr>
<td>5-8&quot;</td>
<td>A</td>
<td>Sandy loam</td>
</tr>
<tr>
<td>&gt;8&quot;</td>
<td>Strong layer</td>
<td></td>
</tr>
</tbody>
</table>

Hydraulic Soil Indicators:

- Organic Content in Surface Layer of Sandy Soils
- Organic Streaking in Sandy Soils
- Clayey or Low Chrome color
- Aquic Moisture Regime

Landscape Position: Flat

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks): No Recorded Data Available

Stream, Lake or Tide Gauge  
Aerial Photograph

Field Observations:

- Ground Surface Insulated

- Soil Saturated

- Depth to Free Water 5 inches

- Depth to Saturated Soil   

Wetland Hydrology Indicators:

Primary Indicators:

- Saturated in upper 12 inches
- Water Stains
- Sediment Deposits

Secondary Indicators (5 or more required):

- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

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### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>SHINE: (code only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2</td>
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<td></td>
<td></td>
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<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **100%**

50/20 Rule Applied? **No**

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophyte Vegetation Present?</th>
<th>(Y) or (N)</th>
<th>Hydric Soils Present?</th>
<th>(Y) or (N)</th>
<th>Wetland Hydrology Present?</th>
<th>(Y) or (N)</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>(Y) or (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
PROJECT NO. 04025
Applicant: Roaring Brook Wind Power Project
Investigator:

Do normal circumstances exist on site?  
No

Is the site significantly disturbed?  
Yes

Is the area a potential Problem Area?  
Yes

SOIL

Series and Phase:

Subgroup:

Depth  Horizon  Matrix color  Matrix color/absorbance  Texture, Structure, Other
0-8"  0  75% X 42%  75% X 42%  silty sand
8-12"  A  75% X 42%  75% X 42%  silty sand
12"  B  75% X 42%  75% X 42%  silty sand

Hydric Soil Indicators:

Concentric
High Organic Content in Surface Layer of Sandy Soils
Organic Streaking in Sandy Soils
Isolated or Low Chroma color

Lacking on Local Hydric Soils List
Listed as Potential for Hydric Inclusions Only
Other (Explain in Remarks)
Aquatic Minirgan Register

Landscape position:

Concave
Convex
Sloping
Flats
Undulating

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available
Stream, Lake or Tidal Gauge
Aerial Photography

Field Observations

Ground Surface (in inches)
Soil Saturation
Depth to Free Water (in inches)
Depth to Saturation Soils (in inches)

Wetland Hydrology Indicators:

Primary Indicators

Stand
Saturation in upper 12 inches
Water Marks
Drift Lines
Sediment Deposits
Drainage Patterns in Wetland

Secondary Indicators (2 or more required)

Culvert Loss Channels in upper 12 inches
Water-Stained Leaves
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks:

No wetland hydrology

274 North Goodman Street
Rochester, New York 14607
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (column wise)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Blackberry</td>
<td>H S/S S V</td>
<td>FACU</td>
<td>40%</td>
</tr>
<tr>
<td>2. Yellow Birch</td>
<td>H S/S S V</td>
<td>FAC</td>
<td>15%</td>
</tr>
<tr>
<td>3. Red Maple</td>
<td>H S/S S V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>4.</td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Blackberry</td>
<td>H S/S S V</td>
<td>FACU</td>
<td>25%</td>
</tr>
<tr>
<td>6. Violetleaf Serviceb</td>
<td>H S/S S V</td>
<td>FAC</td>
<td>40%</td>
</tr>
<tr>
<td>7. Bobblebush</td>
<td>H S/S S V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>8. Red Maple</td>
<td>H S/S S V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>9.</td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Bunchberry</td>
<td>H S/S S V</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>11. Canada Maple</td>
<td>H S/S S V</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>12. Gold Thread</td>
<td>H S/S S V</td>
<td>FACW</td>
<td>5%</td>
</tr>
<tr>
<td>13.</td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC = 71.7%

50/20 Rule Applied? Yes / No

Remarks: Sparse herb layer

---

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes / No
- Hydric Soils Present? Yes / No
- Wetland Hydrology Present? Yes / No
- Is this Sampling Point Within a Wetland? Yes / No

Remarks: Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1987 COE Wetlands Determination Manual

Project No.: 012185  Applicant: Roaring Brook Wind Power Project  Date: 9/11/87
Investigator: Selby, Bopp, and Scherer

Tow: Martinburg  County: Lewis
State: NY

Do normal circumstances exist on site?  Yes  No
Community: 21-17
Is the site significantly disturbed?  Yes

Is the area a potential Inlet Area?  Yes

Plot ID: Wetland part @ E

SOILS
Series and Phase: 
Subgroup: 
Depth
Hydric Soil Indicators:

<table>
<thead>
<tr>
<th>Horizon</th>
<th>Classification</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histic Epipedon</td>
<td>High Org. Content in Surface Layer of Sandy Soils</td>
<td>Listed on Local Hydric Soils List</td>
</tr>
<tr>
<td>Saffric Color</td>
<td>Organic 2-3cm in Sandy Soils</td>
<td>Listed as Potential for Hydric Inclusions Only</td>
</tr>
<tr>
<td>Reducing Conditions</td>
<td>Skewed or Low Chroma color</td>
<td>Other (Explain in Remarks)</td>
</tr>
</tbody>
</table>

Hydric Indicators: 

<table>
<thead>
<tr>
<th>Landscape position</th>
<th>Concave</th>
<th>Convex</th>
<th>Sloping</th>
<th>Undulating</th>
</tr>
</thead>
</table>

Remarks:

HYDROLOGY
Field Observations:

- Ground Surface Insulated: Yes
- Soil Saturated: Yes

Aerial Photography:

- Depth to Free Water: 0 inches
- Depth to Saturated Soil: 0 inches

Wetland Hydrology Indicators:

Primary Indicators:

- Saturated in upper 12 inches
- Water Mark
- Drift Line
- Sediment Pools
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):

- Outstanding Ditch in upper 12 inches
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks: Hummocky terrain, wetland is in basin of bowl

sleedr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

**Dominant Plant Species:**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>k'seram fr</td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>2</td>
<td>yellow birch</td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>3</td>
<td>red maple</td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>5</td>
<td>oak (lat)</td>
<td>H</td>
<td>FAC/obl</td>
<td>70%</td>
</tr>
<tr>
<td>6</td>
<td>weald grass</td>
<td>H</td>
<td>FAC/obl</td>
<td>40%</td>
</tr>
<tr>
<td>7</td>
<td>cummman penn</td>
<td>H</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>8</td>
<td>sphagnum</td>
<td>H</td>
<td>FAC/obl</td>
<td>30%</td>
</tr>
<tr>
<td>9</td>
<td>wood grass</td>
<td>H</td>
<td>FAC+</td>
<td>10%</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC __100%__

Percent of Dominant Species OBL, FACW __20%__

50/50 Rate Applied? _No_

Remarks:

---

### WETLAND DETERMINATION

**Hydrophytic Vegetation Present?** _Yes or No_

**Hydric Soils Present?** _Yes or No_

**Wetland Hydrology Present?** _Yes or No_

**Is this Sampling Point Within a Wetland?** _Yes or No_

Remarks:

Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
Project No: 070285  Applicant: roaring brook wind power project  Date: 9/11/07

Investigator: sebabry/piper/schneeb related  Town: martinsburg

Do normal circumstances exist on site?  No  Community: arrested upload

Is the site significantly disturbed?  Yes  Trans/Flag ID: 2

Is the area a potential Problem Area?  No  Plot ID: upload point 2

SOILS

Series and Phase:  Drainage Class: WD MWD SDR PD VPD

Subgroup:  Confirm Mapped Type: Yes No

Depth Horizon Metric color  Metric color/abundance  Texture, Structure, Other
0-3" O organic matter  silty loam
3-6" A 35% 65%
6" B

Hydric Soil Indicators:
- High Org. Content in Surface Layer of Sandy Soils  Listed on Local Hydric Soils List
- Organic Steaming in Sandy Soils  Listed as Potential for Hydric Inclusions Only
- High Water Table  Other (Explain in Remarks)
- Saturated at Drainage Level  Again Confirms Hydric

Landscape position: concave convex  slope x  Approximate slope: 10%

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)  Field Observations
No Recorded Data Available  Ground Surface Inundated _______ inches.
Stream, Lake or Tide Gauge  Soil Saturated.
Aerial Photographs  Depth to Free Water _______ inches.

Depth to Saturated Soil _______ inches.

Wetland Hydrology Indicators:

Primary Indicators
- Inundated  Crooked Root Channels in upper 12 inches
- Saturated in upper 12 inches  Water-Stained Leaves
- Water Mark  Local Soil Survey
- Dead Leaves  Morphological Plant Adaptations
- Sediment Deposition  Other (Explain in Remarks)
- Drainage Patterns in Wetland

Secondary Indicators (if any required)

Remarks:

s:\edr office files\forms\data Form Routine Wetland Determination.xls
### VEGETATION

**Dominant Plant Species:**

<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Stratum (clockwise)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Blackberry</td>
<td>H S S T V</td>
<td>FACU-</td>
<td>90.7%</td>
</tr>
<tr>
<td>2</td>
<td>Black cherry</td>
<td>H S S T V</td>
<td>FACU-</td>
<td>10.7%</td>
</tr>
<tr>
<td>3</td>
<td>Red maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5%</td>
</tr>
<tr>
<td>5</td>
<td>Intermediate oak</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5%</td>
</tr>
</tbody>
</table>

### WETLAND DETERMINATION

- **Hydric Vegetation Present?** Yes or No: Yes
- **Hydric Soils Present?** Yes or No: Yes
- **Wetland Hydrology Present?** Yes or No: Yes
- **Is this Sampling Point Within a Wetland?** Yes or No: Yes

**Remarks:**

Very sparse herb layer - few species (≤5%)  
Most heavily logged - no canopy trees @ sampling point. Fruits maple, birch, beech.

---

s:\edrivoffice\files\forms\Date Form Routine Wetland Delineation.xls
### DATA FORM
**Routine Wetland Determination**

**H2T/CES Wetland Identification Manual**

**Project No:** 09239

**Applicant:** Weir Brook Wind Power Project

**Date:** 9/11/07

**Investigator:** Stellony/Ropp/Steinbauer

**Town:** Martinsburg

**County:** Lewis

**State:** NY

**Do normal circumstances exist on site?** Yes

**Community:** Emerger

**Is the site significantly disturbed?** Yes

**Transm/Flag ID:** AI

**Is the area a potential Problem Area?** Yes

**Plot ID:** 10087088 88

---

### SOILS

**Series and Phase:**

**Subgroup:**

**Depth**

<table>
<thead>
<tr>
<th>Horizon</th>
<th>Matrix color</th>
<th>Mineral color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-0.8”</td>
<td>A</td>
<td>--</td>
<td>Silty Clay</td>
</tr>
<tr>
<td>0.8” +</td>
<td>Silt layer</td>
<td>18th class order</td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- Convolutions
- High Org. Content in Surface Layer of Sandy Soils
- Organic Streaking in Sandy Soils
- Oxidized or Low-Chroma color
- Listed on Local Hydric Soils List
- Listed as Potential for Hydric Inclusions Only
- Other (Explain in Remarks)
- Aquic Moisture Regime

**Landscape position:**

- Concave X
- Convex
- flat
- undulating

**Remarks:**

---

### HYDROLOGY

**Recorded Data (Describe in Remarks):**

- No Recorded Data Available
- Streams, Lakes or Tide Cushion
- Aerial Photographs

**Field Observations:**

- Ground Surface Insulated 0
- Soil Saturated

**Depth in Free Water:**

- 0 inches.

**Depth to Saturated Soil:**

- 0 inches.

**Wetland Hydrology Indicators:**

**Primary Indicators:**

- X Saturated in upper 12 inches
- Water Marks
- Drift Lines

**Secondary Indicators (1 or none required):**

- X Creel/Drain Channels in upper 12 inches
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

- e:edr office files/forms/Data Form Routine Wetland Determination.xls
<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratify (code see)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Bur</td>
<td>R S S T V</td>
<td>FACW</td>
<td>10.7%</td>
</tr>
<tr>
<td>Potentille</td>
<td>H S S T V</td>
<td>OBL</td>
<td>5.7%</td>
</tr>
<tr>
<td>Prunus</td>
<td>R S S T V</td>
<td>FAC</td>
<td>5.7%</td>
</tr>
<tr>
<td>Ribes</td>
<td>R S S T V</td>
<td>FACW</td>
<td>10.7%</td>
</tr>
<tr>
<td>Parthenium</td>
<td>H S S T V</td>
<td>FAC</td>
<td>3.7%</td>
</tr>
<tr>
<td>Cornus</td>
<td>H S S T V</td>
<td>OBL</td>
<td>15.0%</td>
</tr>
<tr>
<td>Acer</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5.0%</td>
</tr>
<tr>
<td>Betula</td>
<td>H S S T V</td>
<td>FACW+</td>
<td>10.7%</td>
</tr>
<tr>
<td>Dicranum</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5.0%</td>
</tr>
<tr>
<td>Carex</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5.0%</td>
</tr>
<tr>
<td>Carex</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5.0%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%.

5020 Rule Applied? Yes

Remarks: Diverse vegetation present.
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (V = V, S = S)</th>
<th>Inclination</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>30%</td>
</tr>
<tr>
<td>Sugar Maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>Birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>40%</td>
</tr>
<tr>
<td>Black Cherry</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>White Pine</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>Yellow Birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>Transient Fern</td>
<td>H S S T V</td>
<td>UPL</td>
<td>40%</td>
</tr>
<tr>
<td>Susaporia</td>
<td>H S S T V</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>Intermediate Wood Fern</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 33%

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophyte Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: 

s:\wcr office files\forms\Data Form Routine Wetland Delineation.xls
**Data Form**
**Routine Wetland Determination**

<table>
<thead>
<tr>
<th>Note</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Project No.</strong></td>
<td>0025</td>
</tr>
<tr>
<td><strong>Applicant</strong></td>
<td>Roaring Brook Wind Power Project</td>
</tr>
<tr>
<td><strong>Date</strong></td>
<td>9/20/07</td>
</tr>
<tr>
<td><strong>Investigator</strong></td>
<td>Enders/Stelling</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Martinsburg, WV</td>
</tr>
<tr>
<td><strong>County</strong></td>
<td>Lewis</td>
</tr>
<tr>
<td><strong>State</strong></td>
<td>WV</td>
</tr>
</tbody>
</table>

**Soils**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Matrix Color</th>
<th>Organic Material</th>
<th>Problem Are?</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;</td>
<td>D</td>
<td>Organic Material</td>
<td>Yes</td>
</tr>
<tr>
<td>6-12&quot;</td>
<td>A</td>
<td>Dead Grass</td>
<td>No</td>
</tr>
<tr>
<td>12&quot;</td>
<td>Anger Rejected</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydrology**

- Depth to Surface
- Depth to Water

**Wetland Hydrology Indicators**

- **Primary Indicators**
  - Inundated
  - Satuated in upper 12 inches
  - Water Marks
  - Ditch Line
  - Sediment Deposition

- **Secondary Indicators**
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks**

- Hummocky terrain

---

Enders Stelling: Roaring Brook Wind Power Project

Project No. 0025

Date: 9/20/07

Investigator: Enders/Stelling

Location: Martinsburg, WV

County: Lewis

State: WV

Soils:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Matrix Color</th>
<th>Organic Material</th>
<th>Problem Are?</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;</td>
<td>D</td>
<td>Organic Material</td>
<td>Yes</td>
</tr>
<tr>
<td>6-12&quot;</td>
<td>A</td>
<td>Dead Grass</td>
<td>No</td>
</tr>
<tr>
<td>12&quot;</td>
<td>Anger Rejected</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydrology:

- Depth to Surface
- Depth to Water

Wetland Hydrology Indicators:

- **Primary Indicators**
  - Inundated
  - Satuated in upper 12 inches
  - Water Marks
  - Ditch Line
  - Sediment Deposition

- **Secondary Indicators**
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

Remarks:

- Hummocky terrain
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratums (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild Grass</td>
<td>SS T V</td>
<td>FAC/DBL</td>
<td>90%</td>
</tr>
<tr>
<td>Sphagnum</td>
<td>SS T V</td>
<td>FAC/DBL</td>
<td>50%</td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
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<td></td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td>DCH</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td>FACWT</td>
<td>10%</td>
</tr>
<tr>
<td>Red Maple</td>
<td>SS T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
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<td>SS T V</td>
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<tr>
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<td>SS T V</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW_120%

Percent of Dominant Species OBL, FACW_6%

5/20 Rate Applied? Yes/No

Remarks:
- Many dead trees, no live trees can
- Certain beyond sample plot protected many trees

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes/No
Hydrophytic Soils Present? Yes/No
wetland Hydrology Present? Yes/No
Is this Sampling Point Within a Wetland? Yes/No

Remarks: Photos 7650 (Flag)
7651-7656

Photo Reference Number: s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1987 CWS Wetlands (Delaware-Mont.)**

**Trojan No.** 0925  
**Applicant:** Roaring Brook Wind Power Project

**Investigation:** Eanders/Skelkorns

**Location:**  
- **Town:** Martinsburg  
- **County:** Lewis  
- **State:** NY  

**Soils**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WD MWD SPD PD VPD</td>
<td>Yes No</td>
</tr>
</tbody>
</table>

**Soil Group:**
- **Depth:** 0-2"  
- **Horizon:** D  
  - **Matrix color:** Deep Red  
  - **Mottle color/abundance:** No mottling

**Hydrologic Soil Indicators:**
- **Compactness:** Field capacity
- **High Organic Content in Surface Layer:** Sandy Soil
- **Soil Color:** Organic Soils
- **Reducing Conditions:** Oxidized or Low Oxygen

**Landscape Position:**
- **Contour:** Undulating

**Remarks:** Area extremely disturbed

---

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**
- Storm, Lake or Tide Gauge
- Aerial Photographs

**Field Observations:**
- **Ground Surface Condition:** Wet
- **Soil Saturation:** Moderately
- **Depth to Free Water:** 12 inches
- **Depth to Saturated Soil:** 24 inches

**Wetland Hydrology Indicators:**
- **Primary Indicators:**
  - Saturated in upper 12 inches
  - Water Marks
  - Ditch Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

**Secondary Indicators:**
- Oxidized Root Channels in upper 12 inches
- Water-Tolerant Leaves
- Ditch Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:** No wetland hydrology
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (shade code)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Balsam Fir</td>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>2. Black Cherry</td>
<td>H SS N V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>3. Yellow Birch</td>
<td>H SS O V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>4. Balsam</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>5. Black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>6. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>7. Black spruce</td>
<td>H SS T V</td>
<td>FAC-W</td>
<td>5</td>
</tr>
<tr>
<td>8. Intermediate Wood Fern</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>9. Gold thread</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>10. Canadea mayflower</td>
<td>H SS T V</td>
<td>FAC-W</td>
<td>5</td>
</tr>
<tr>
<td>11. Sarsaparilla</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>12.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FAC= 65.9%
Percent of Dominant Species OBL, FAC-W= 13.9%

50/20 Rule Applied?  Yes [x] No

Remarks: Sparse ground layer herbaceous

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes [x] No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes [x] No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes [x] No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes [x] No</td>
</tr>
</tbody>
</table>

Remarks: Photo 7650 (flag) 7657-58
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No. 07255
Applicant: Bearing Brook Wind Power Project

Investigator: Enders/Seibergs

Do normal circumstances exist on site? Yes No
Community: Marcellus

Is the site significantly disturbed? Yes No
Town: Marcellus

Is the area a potential Problem Area? Yes No
County: Lewis

State: NY

SOILS

Drainage Class: WD MWD SF D P VFD
Confined Mapped Type: Yes No

Series and Phase:

Subgroup:

Depth Horizon Matrix color Moisture abundance
0'-0" A 10% 81 Simple
9'-12" B 10% 81 10% 81 Somewhat
12" - NV

Hydraulic Soil Indicators:

Concentrations

Listed on Local Hydraulic Soil List

High Organ. Content in Surface Layer of Sandy Soils

Listed as Potential for Hydraulic Indicators Only

Silty/Loam

Other (Explain in Remarks)

Organic Streaking in Sandy Soils

Aquatic Moisture Regime

Reducing Conditions

Oxidized or Low-Chroma color

Landscape position:

Concave Convex Sloping

undulating

Remarks:

HYDROLOGY

Recorded Data (Gives in Remarks)
No Recorded Data Available

Stream, Lake, or Tide Gauge Aerial Photographs

Stream, Lake or Tide Gauge

Field Observations

Wetland Hydrology Indicators:

Primary Indicators

Secondary Indicators (2 or more required)

Oxidized Root Channels in upper 12 inches

Water-Logged soils

Drift Lines

Local Soil Survey

Sinkholes

Morphological Plant Adaptations

Drainage Patterns in Wetland

Other (Explain in Remarks)

Remarks: Upstream (east) side of road - just stream channel
Downstream (west) side of road branches out to marsh

Note: office file format/Date Form Routine Wetland Determination.xls
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratums (circle one)</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBs T V</td>
<td>FACW/ OBL</td>
<td>75%</td>
<td></td>
</tr>
<tr>
<td>BBs T V</td>
<td>FACW</td>
<td>15%</td>
<td></td>
</tr>
<tr>
<td>BBs T V</td>
<td>OBL</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>BBs T V</td>
<td>FACW</td>
<td>20%</td>
<td></td>
</tr>
<tr>
<td>BBs T V</td>
<td>FACW+</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>BBs T V</td>
<td>FACW+</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>BBs T V</td>
<td>FACW/ OBL</td>
<td>5%</td>
<td></td>
</tr>
<tr>
<td>BBs T V</td>
<td>FACW/ OBL</td>
<td>75%</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW 100%
Percent of Dominant Species OBL, FACW 75%
50/50 Rule Applied? (Y/N) N

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? (Y/N) Yes
Hydric Soils Present? (Y/N) No
Wetland Hydrology Present? (Y/N) Yes
Is the Sampling Point Within a Wetland? (Y/N) Yes

Remarks: Stream 4-6 feet wide, substrate cobble w/gravel, small side channel. South of cow pasture. 4x4 track.

Photo Reference Number: s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
391 CDE Wetland Determination Manual

Project No: 0725
Appraiser: Roaring Brook Wind Power Project
Date: 9/20/07

Investigator: Ender/Skehans

Site:

Do normal circumstances exist on site? Yes No
Community:

Is the site significantly disturbed? Yes No
Transmit Flag ID: EE

Is the area a potential Pothole Area? Yes No
Plot ID: EE 6

NY

SOILS
Series and Phase: ____________________________
Subgroup: ____________________________
Drainage Class: WD MWD SPD PD VPD

Depth

Matrix color

Texture, Structure, Other

Confirm Mapped Type

Hydraulic Soil Indicators:

Concretions

Listed on Local Hydric Soil's List

High Org. Content in Surface Layer of Sandy Soils

Listed in Potential for Hydric Inclusions Only

Organic Streaking in Sandy Soils

Other (Explain in Remarks)

Gleyed or Low Chroma color

Aquatic Moisture Regime

Landscape position:

converse convex

sloping Approximate slope:

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available

Stream, Lake or Tide Gauge

Aerial Photographs

Field Observations

Ground Surface Inundated__ inches.

Soil Saturated

Depth to Free Water__ inches.

Depth to Saturated Soils__ inches.

Wetland Hydrology Indicators:

Primary Indicators:

Secondary Indicators (if more required):

Saturated in upper 12 inches

Oxidized Root Channels in upper 12 inches

Water Stained leaves

Local Soil Survey

Drift Lines

Morphological Plant Adaptations

Sediment Deposits

Other (Explain in Remarks)

Drainage Patterns in Wetland

Remarks:

no wetland hydrology

s:adr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (left only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beech</td>
<td>H SS 0 V</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>&quot;</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **36%**  
Percent of Dominant Species OBL, FACW: **13%**  

5020 Rule Applied? **Yes**  

Remarks:  

---

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No  
- **Hydric Soils Present?** Yes or No  
- **Wetland Hydrology Present?** Yes or No  
- **Is this Sampling Point Within a Wetland?** Yes or No  

Remarks:  

Photo Reference Number:  

s:\ed\office\files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

D87 CDE Wetlands Determination Manual

---

**Project No:** 00225  
**Applicant:** Roaring Brook Wind Power Project  
**Date:** 01/26/07  
**Investigator:**  

---

**SITES**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color abundance</th>
<th>Drainage Class</th>
<th>Canister Map Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>(PBA) Peat and Musk, Deep</td>
<td>0-10&quot;</td>
<td>A</td>
<td>10%</td>
<td>None</td>
<td>VPD</td>
<td>VPD</td>
</tr>
<tr>
<td>10&quot;+</td>
<td>B</td>
<td>10%</td>
<td>1</td>
<td>Silty Loam</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- Concentrations
- Free Water
- Fertile

**Landscape position:**
- Hilly
- Flat

**Remarks:**
10% of Organic Matter

---

**HYDROLOGY**

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

**Field Observations**
- Ground Surface Inundated

**Depth to Free Water**
- 0 inches

**Wetland Hydrology Indicators:**
- Primary Indicators
  - Water Table
  - Sediment Deposits

**Secondary Indicators (2 or more required)**
- Stained Root Channel
  - Water-Stained
- Local Soil Survey
- Other (Describe in Remarks)

**Remarks:**

---

**Miscellaneous**

- EDR office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Heart-leaved hawthorn</td>
<td>A SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>2. Purple-stemmed aster</td>
<td>B SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>3. Big bluestem</td>
<td>C SS T V</td>
<td>OBL</td>
<td>60</td>
</tr>
<tr>
<td>4. Common fescue</td>
<td>D SS T V</td>
<td>FACW</td>
<td>25</td>
</tr>
<tr>
<td>5. Indian grass</td>
<td>E SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>6. Blue grama</td>
<td>F SS T V</td>
<td>OBL</td>
<td>15</td>
</tr>
<tr>
<td>7. Little blue grass</td>
<td>G SS T V</td>
<td>FACW/OBL</td>
<td>60</td>
</tr>
<tr>
<td>8. Sandburs</td>
<td>H SS T V</td>
<td>FACW/OBL</td>
<td>25</td>
</tr>
<tr>
<td>9. Liatris</td>
<td>I SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>10. Hairytick</td>
<td>J SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>11. Baldcypress</td>
<td>K SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>12. Indiangrass</td>
<td>L SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>13. Old cottonwood</td>
<td>M SS T V</td>
<td>FACW/OBL</td>
<td>20</td>
</tr>
<tr>
<td>14. Willow</td>
<td>N SS T V</td>
<td>FACW/OBL</td>
<td>20</td>
</tr>
<tr>
<td>15. Willow</td>
<td>O SS T V</td>
<td>FACW/OBL</td>
<td>20</td>
</tr>
<tr>
<td>16. Willow</td>
<td>P SS T V</td>
<td>FACW/OBL</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW = 43%

Percent of Dominant Species OBL, FACW = 100%

50/50 Rule Applied? Yes | No

Remarks:

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes | No

Hydric Soils Present? Yes | No

Wetland Hydrology Present? Yes | No

Is this Sampling Point Within a Wetland? Yes | No

Remarks:

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 CER Wetlands Determination Manual

Project No: 67265  Applicant: Hoising Brook Wind Power Project
Investigator: Brogan/Secker/Schultheiss

Date: 9/26/07
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

Drainage Class: WD NWD SPD PD V70
Confined Mapped Type: Yes

SOILS
Series and Phase: (PDA) Pont and Muck, deep
Subgroup: 0-6" 0
Depth Horizon Matrix color Matrix color/abundance Texture, Structure, Other
6-14" A 10% 21% some 10% 31% loam, organic
Hydric Soil Indicator:

Concretions:
High Organic Content in Surface Layer of Sandy Soils:
Organic Leaching of Sandy Soils:
Oxidized or Low-Chrome color:

Listed in Local Hydrics soils List:
Listed as Potential for Hydrics Inclusions Only:
Other (Explain in Remarks):
Aquatic Moisture Regime:

Landscape position:

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks):
No Recorded Data Available:
Stream, Lake or Tidel Grage:
Aerial Photographs:

Field Observations:
Ground Surface Insulated inches.
Soil Saturated:
Depth to Free Water inches.
Depth to Saturated Soil inches.

Hydrology Indicators:
Primary Indicators:

Secondary Indicators (2 or more required):

Remarks:

s://edr office forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (zz/c/d)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H S C 0 V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>H S S 0 V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACU-</td>
<td>60</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACU-</td>
<td>10</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACU-</td>
<td>10</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>H S S T V</td>
<td>UPL</td>
<td>5</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 57%

Percent of Dominant Species OBL, FACU, UPL: 14%

5020 Rule Applied? Yes

**Remarks:**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrologic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Is this Sampling Point Within a Wetland? Yes

**Remarks:**

**Photo Reference Number:**

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
### HYDROLOGY

- **Recorded Data (Describe in Remarks)**
- **Field Observations**
  - **PO**: Ground Surface Insulated
  - **VS**: Soil Saturated
  - **Depth to Frequent Water**
  - **Depth to Saturated Soils**

- **Stream, Lake or Tide Gauge**
- **Aerial Photographs**

### WETLAND HYDROLOGY INDICATORS

- **Primary Indicators**
  - Saturated in upper 12 inches
  - Water Mark
  - Drain Lines
  - Sediment Deposition
  - Drainage Patterns in Wetland

- **Secondary Indicators (if one or more required)**
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained Leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

### HYDROLOGY REMARKS:

- `\text{\textbackslash n}\text{\textbackslash n}`

---

### SOILS

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Subsoil</th>
<th>Matrix color</th>
<th>Matrix color abun.</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(PHA) Peat and Muck, deep</strong></td>
<td>BA</td>
<td>10% gray</td>
<td>none</td>
<td>clay loam</td>
</tr>
</tbody>
</table>

- **Hydric Soil Indicators**:
  - **Confinements**
  - **High Org. Content in Surface Layer of Sandy Soils**
  - **Organic Steaming in Sandy Soils**
  - **Chiefly or Low Change color**

- **Landscape Position**:
  - Forest
  - Savanna
  - Sedge
  - Approximate slope

---

### REMARKS:

- `\text{\textbackslash n}`

---

### ENVIRONMENTAL DESIGN & RESEARCH

- **Project No.**: 0725
- **Applicant**: Ravens Brook Wind Power Project

---

### DATA FORM

- **Location**: 274 North Goodman Street
- **Rochester, New York 14607**

---

### ROUTINE WETLAND DETERMINATION

- **NOAA TIDE Gauge**: 44677
- **Investigator**: S. Edwards
- **Applicant**: Ravens Brook Wind Power Project
- **Community**: Mount Hope
- **County**: Lewis
- **State**: NY
- **Date**: 9/28/02

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### NYAR Office

- `\text{\textbackslash n}`

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### Addendum

- `\text{\textbackslash n}`
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circled)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Spotted Burnet</td>
<td>H S S T V</td>
<td>FAC, FACw</td>
<td>75 %</td>
</tr>
<tr>
<td>2. Bladderwax</td>
<td>H S S T V</td>
<td>FAC, FACw</td>
<td>25 %</td>
</tr>
<tr>
<td>3. Black Spore</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10 %</td>
</tr>
<tr>
<td>4. Red Maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>5 %</td>
</tr>
<tr>
<td>5. Black Spruce</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10 %</td>
</tr>
<tr>
<td>6. Barren Sedge</td>
<td>H S S T V</td>
<td>FAC</td>
<td>5 %</td>
</tr>
<tr>
<td>7.</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20 %</td>
</tr>
<tr>
<td>8.</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20 %</td>
</tr>
<tr>
<td>9. Meadow Grass</td>
<td>H S S T V</td>
<td>FACw, FACw</td>
<td>40 %</td>
</tr>
<tr>
<td>10. Purple Stalk Aster</td>
<td>H S S T V</td>
<td>OBL</td>
<td>5 %</td>
</tr>
<tr>
<td>11. Flat Toped Aster</td>
<td>H S S T V</td>
<td>FACw</td>
<td>5 %</td>
</tr>
<tr>
<td>12. Camas</td>
<td>H S S T V</td>
<td>OBL</td>
<td>5 %</td>
</tr>
<tr>
<td>13. Joe Pyrenerd</td>
<td>H S S T V</td>
<td>FACw</td>
<td>5 %</td>
</tr>
<tr>
<td>14.</td>
<td>H S S T V</td>
<td>FACw</td>
<td>5 %</td>
</tr>
<tr>
<td>15.</td>
<td>H S S T V</td>
<td>FACw</td>
<td>5 %</td>
</tr>
<tr>
<td>16.</td>
<td>H S S T V</td>
<td>FACw</td>
<td>5 %</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACw, FAC, 100%

50/20 Rule Applied? Yes or No: No

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No: Yes
- Hydric Soils Present? Yes or No: Yes
- Wetland Hydrology Present? Yes or No: Yes
- Is this Sampling Point Within a Wetland? Yes or No: Yes

Remarks:
**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**  
(1989 COE Wetland Delineation Manual)  

**Project No:** 0725  
**Applicant:** Roaring Brook Wind Power Project  
**Date:** 9/26/02  

**Investigator:** Evanko, Bernoulli, Schum  
**Town:** Marlinesburg  
**County:** Lewis  
**State:** NY

1. **Did normal circumstances exist on site?**  
   - Yes:  
   - No:  

2. **Is the site significantly disturbed?**  
   - Yes:  
   - No:  

3. **Is there a potential Problem Area?**  
   - Yes:  
   - No:  

**SOILS**  
**Series and Phase:** (PBA) Peat and Muck, Deep  
**Drainage Class:** WD MWB SPD PD VPD  
**Confined Mapped Type:** Yes  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Motile color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4''</td>
<td>0</td>
<td>Organic Matter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-12'</td>
<td>A</td>
<td>SOME 1/4' 3/4'</td>
<td>Silt/100, Organic</td>
<td></td>
</tr>
<tr>
<td>12' +</td>
<td></td>
<td>Organic</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydro Soil Indicators:**  
- Concon  
- historic  
- High Org. content in Surface Layer of Sandy Soils  
- Organic Streaking in Sandy Soils  
- Clayey or Low Listed color  
- Listed on Local Hydro Soil List  
- Listed as Potential for Hydro Inclusions Only  
- Other (Specify in Remarks)  
- Aquic Moisture Regime  
- Moisture Regime  

**Landscape position:**  
- concave  
- convex  
- undulating  
- sloping  
- Approximate slope:  

**Remarks:**  
- Amy [handwritten text] soil organic content  
- Disturbed from  
- [handwritten text]

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

**Field Observations:**  
- Ground-Surface Translated: inches  
- Soil Saturated: inches  
- Depth to Free Water: inches  
- Depth to Saturated Soils: inches

**Wetland Hydrology Indicators:**  
**Primary Indicators:**  
- Translated  
- Saturated in upper 12 inches  
- Water Stains  
- Ditch Lines  
- Sediment Deposits  
- Drainage Patterns in Wetland

**Secondary Indicators:**  
- Oxidized Root Channels in upper 12 inches  
- Water-Stained leaue  
- Local Soil Survey  
- Morphological Plant Adaption  
- Other (Specify in Remarks)

**Remarks:**  
- No wetland hydrology

s:edr office file/formal/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>#</th>
<th>Dominant Plant Species</th>
<th>Stratum (circle only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bassan Air</td>
<td>H S S T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>Yellow Birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>Red Maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Hawthorne</td>
<td>H S S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>6</td>
<td>Black Cherry</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>7</td>
<td>Yellow Birch</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Masticade wood</td>
<td>H S S T V</td>
<td>FACW</td>
<td>50</td>
</tr>
<tr>
<td>10</td>
<td>Round Corn</td>
<td>H S S T V</td>
<td>FACW</td>
<td>50</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 14.1%
Percent of Dominant Species OBL, FACW: 14.1%

50:50 Rule Applied? Yes: No

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydric Soils Present? Yes or No
Wetland Hydrology Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No

Remarks:

Photo Reference Number:
### DATA FORM
**ROUTINE WETLAND DETERMINATION**

**Project No:** 0925  **Applicant:** Rearing Break Wind Power Project  **Date:** 9/29/07

**Investigator:** Brazil/Schweig  **Term:** Martinburg

**County:** Lewis  **State:** NY

#### SOILS

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Subgroup</th>
<th>Horizon</th>
<th>Depth</th>
<th>Matrix color</th>
<th>Matrix color/abundance</th>
<th>Drainage Class</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>0-3&quot;</td>
<td>10%e35%</td>
<td>10%e35%</td>
<td>Silt Loam</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3-12&quot;</td>
<td>10%e35%</td>
<td>10%e35%</td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- **Hyporheic**
- **Saline-Brackish**
- **Organic Steaming**
- **Clayey or Low Carbonate**

**Landscape position:**
- **concave**
- **convex**
- **sloping**

**Remarks:**
- **Sandy to Loamy Sandy soils - Easily P Lotus**
- **25 to 50% Soils - Easily P Lotus**

### HYDROLOGY

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>No Recorded Data Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stream, Lake or Tide Gauge</td>
<td>Aerial Photographs</td>
</tr>
</tbody>
</table>

**Field Observations:**
- **Ground Surface Impeded** inches.
- **Soil Saturated**

**Depth to Infl Water** inches.

**Wetland Hydrology Indicators:**

**Primary Indicators:**
- **Saturated in upper 12 inches**
- **Water Marsh**
- **Ditch Lines**
- **Sediment Deposits**
- **Drainage Patterns in Wetland**

**Secondary Indicators (2 or more required):**
- **Overgrown Rove Channels in upper 12 inches**
- **Wet-Swamp leaves**
- **Soil Survey**
- **Morphological Plant Adaptations**
- **Other (Explain in Remarks)**

**Remarks:**
- **NO HYDROLOGY IN NOJACENT**

s:ledr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

**Dominant Plant Species:**

<table>
<thead>
<tr>
<th>Plant</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cinnamon Fern</td>
<td>H</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>Sugar Maple</td>
<td>H</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>Fawn's Beard</td>
<td>H</td>
<td>FACW</td>
<td>80</td>
</tr>
<tr>
<td>Speckled Sand</td>
<td>H</td>
<td>FACW-</td>
<td>5</td>
</tr>
<tr>
<td>Red Maple</td>
<td>u</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Fawn's Beard</td>
<td>H</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>Yellow Birch</td>
<td>H</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Hobbe's Spr.</td>
<td>H</td>
<td>FAC/FACU</td>
<td>10</td>
</tr>
<tr>
<td>Hobbe's Spr.</td>
<td>H</td>
<td>FAC</td>
<td>25</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBH, FACW, FAC**

5020 Rule Applied?  Yes No

**Remarks:**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

**Remarks:**

Photo Reference Number:

s:\ecd\office\files\forms\Data Form Routine Wetland Delineation.xls
**Environmental Design & Research**
279 Montgomery Street, Suite 1000
Syracuse, New York 13202

**DATA FORM**
ROUTINE WETLAND DETERMINATION

**Project No.:** 07025  
**Appraiser:** Rounding Brook Wind Power Project  
**Date:** 9/20/07

**Investigator:** Brahms/Scwartz  
**Community:** E0 WM  
**County:** Morris  
**State:** NY

**SOILS**

- **Series and Phase:**  
- **Drainage Class:** WD MWB SPD SP VPD

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/substrate</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-12&quot;</td>
<td>1/12/1/3</td>
<td></td>
<td></td>
<td>CVT 10.7</td>
</tr>
</tbody>
</table>

**Hydrologic Soil Indicators:**
- **Concretions**  
- **High Crp. Content in Surface Layer of Sandy Soils**  
- **Soil Ores**  
- **Soil Salts**  
- **Soil Salts**  
- **Soil Salts**  
- **Soil Salts**  
- **Soil Salts**  

**Landscape position:**
- **Concave**
- **Convex**
- **Steep**

**Remarks:**

**HYDROLOGY**

- **Recorded Data (Describe in Remarks):** 
  - No Recorded Data Available
  - Aerial Photography

**Field Observations:**
- **Ground Surface Irrigated:**  
- **Soil Salts:**  
- **Depth to Free Water:**  
- **Depth to Saturated Soils:**

**Wetland Hydrology Indicators:**
- **Primary Indicators:**
  - **Inundated**  
  - **Irrigated in upper 12 inches.**  
  - **Water Marks**  
  - **Drift Lines**  
  - **Sediment Deposit**  
  - **Drainage Patterns in Wetland**

**Secondary Indicators (2 or more required):**
- **Oxidized Root Channels in upper 12 inches**  
- **Wet-Stained Leaves**  
- **Local Soil Survey**  
- **Morphological Plant Adaptations**  
- **Other (Explain in Remarks)**

**Remarks:**

- **2/1/00 from 150 ft west of Steward H23 in Low points**

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### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one):</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Spotted Fern</td>
<td>S</td>
<td>FAC/DOE</td>
<td>95%</td>
</tr>
<tr>
<td>2 Cutleaf Fern</td>
<td>S</td>
<td>FAC</td>
<td>65%</td>
</tr>
<tr>
<td>3 Erubus sp.</td>
<td>H</td>
<td>FAC/FAC</td>
<td>15%</td>
</tr>
<tr>
<td>4 Scirpus</td>
<td>H</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>5 Yellow Bree</td>
<td>H</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>6 Red Maple</td>
<td>H</td>
<td>FAC</td>
<td>15%</td>
</tr>
<tr>
<td>7 Yellow Bree</td>
<td>H</td>
<td>FAC</td>
<td>15%</td>
</tr>
<tr>
<td>8 Red Maple</td>
<td>H</td>
<td>FAC</td>
<td>3%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species: FAC = 100%  OBL, FACW = 20%

Hydrologic Vegetation Present? Yes or No
Hydric Soils Present? Yes or No
Wetland Hydrology Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No

### WETLAND DETERMINATION

Remarks:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Mottles Color/Abundance</th>
<th>Textures, Structure, Other</th>
<th>Confirm Mapped Type</th>
<th>SOILS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-2&quot;</td>
<td>D</td>
<td>none</td>
<td>none</td>
<td>Silty Loam</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2-12&quot;</td>
<td>A</td>
<td>Very Wet</td>
<td>none</td>
<td>Sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12&quot;+</td>
<td>B</td>
<td>Very Wet</td>
<td>none</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HYDROLOGY**

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
  - Stem's Lake or Tidal Gauge
  - Aerial Photographs

- **Field Observations:**
  - Ground Surface Inundated: __ inches.
  - Soil Inundated: __ inches.
  - Depth to Free Water: __ inches.
  - Depth to Saturated Soils: __ inches.

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Inundated
  - Saturated in upper 12 inches
  - Water Marks
  - Drift Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

- **Secondary Indicators (2 or more required):**
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks:**

- Hummocky terrain
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (top to bot)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Birch</td>
<td>H SS G V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H SS G V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baldcypress</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>Yellow Birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Rushes</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>White Rattleweed</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>Black Spruce</td>
<td>H SS T V</td>
<td>FAC/WEB</td>
<td>30</td>
</tr>
<tr>
<td>Spirea</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>Canada Mayflower</td>
<td>H SS T V</td>
<td>OBL</td>
<td>5</td>
</tr>
<tr>
<td>Holly-Leaved Maple</td>
<td>H SS T V</td>
<td>OBL</td>
<td>20</td>
</tr>
<tr>
<td>Dolly Varden</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: Speeded wetland where green vegetation is thin near edge of wetland.

Photo Reference Number:

s:edr office files/forms/Data Form Routine Wetland Delineation.xls
Project No: 07025  
Applicant: Rearing Brook Wind Power Project  
Date: 9/20/07

Investigator: 

Do normal circumstances exist on site?  Yes  No  
Is the site significantly disturbed?  Yes  
Is the area a potential Problem Area?  Yes  

Community: 

Towns: 

County: Lewis  
State: NY

SOILS

Series and Phase: (PLA) Flat and Muck Deep  
Drainage Class: W9 WD MWD SPD PD VPD

Subgroup: 

Confirm Mapped Type: No  

Depth  Horizon  Matrix color  Matrix color/abundance  Texture, Structure, Other

Hydric Soil Indicators:  

Histosol  Concentrations  Listed on Local Hydric Soil List


High Org. Content in Surface Layer of Sandy Soils  Listed as Potential for Hydric Inclusions Only

Subsoil Color  Organic Streaking in Sandy Soils  Other (Explain in Remarks)

Reducing Conditions  (Silty or Low Chroma color)  Aquatic Moisture Regime

Landscape position: concave  convex  flat  undulating

Remainders: Very dry hard soil's  

HYDROLOGY

Field Observations:

Recorded Data (Describe in Remarks)  
No Recorded Data Available

Stream, Lake or Tide Gauge

Aerial Photographs

Graded Surface Inundated ________ inches.

Soil Satuated.

Depth to Free Water ________ inches.

Depth to Saturated Soil ________ inches.

Wetland Hydrology Indicators: 

Primary Indicators:  

Secondary Indicators (1 or more required)  

Saturated in upper 12 inches.  

Water Stained Leaues

Drift Lines  

Local Soil Survey

Sediment Deposits  

Morphological Plant Adaptations

Drainage Patterns in Wetland  

Other (Explain in Remarks)

Remarks: no wetland hydrology

s:edcr office files/forms/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red maple</td>
<td>H</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>Balsam fir</td>
<td>H</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Balsam fir</td>
<td>H</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Black birch</td>
<td>H</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Black cherry</td>
<td>H</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>Black cherry</td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>Bay sumac</td>
<td>H</td>
<td>UPL</td>
<td>50</td>
</tr>
<tr>
<td>Indian wild rice</td>
<td>H</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>Arrow artemesia</td>
<td>H</td>
<td>UPL</td>
<td>5</td>
</tr>
<tr>
<td>Bunch grass</td>
<td>H</td>
<td>UPL</td>
<td>5</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC **50%

50/20 Rate Applied? Yes No

**WETLAND DETERMINATION**

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Is the Sampling Point Within a Wetland? Yes or No

Remarks:

Photo Reference Number: s:/edr office files/forms/Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
(1978 CDE Wetlands Determination Manual)

Project No: 07025
Applicant: Buring Brook Wind Power Project

Investigator: [Signature]

Tow: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

SOILS
Series and Phase: Eddyville story loam
Drainage Class: WD

Subgroup: NO

Depth
Horizon
Matrix color
Matrix color/condition
Texture, Structure, Other
Hydric Soil Indicator:

Concretions
High Org. Content in Surface Layer of Sandy Soils
Organic Staining in Sandy Soils
Oxidized or Low Chroma color

Hydrological Observations:
No Recorded Data Available
Stream, Lake or Tidal Gauge
Aerial Photographs

Field Observations
Ground Surface Insulated inches.
Vegetation: Soil Saturated.
Depth to Free Water inches.
Depth to Saturated Soil inches.

Wetland Hydrology Indicators:
Primary Indicators:
X Saturated in upper 12 inches.
Water Marks
Drain Lines
Sediment Deposits

Secondary Indicators (if more required):
X Co-Channel Root Channels in upper 12 inches
Water-Stained leaves
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks:

HYDROLOGY

Recd.

Apppl.

Tow.

County.

State.

SOILS

Series and Phase:

Depth
Horizon
Matrix color
Matrix color/condition
Texture, Structure, Other

Hydric Soil Indicator:

Concretions
High Org. Content in Surface Layer of Sandy Soils
Organic Staining in Sandy Soils
Oxidized or Low Chroma color

Hydrological Observations:
No Recorded Data Available
Stream, Lake or Tidal Gauge
Aerial Photographs

Field Observations
Ground Surface Insulated inches.
Vegetation: Soil Saturated.
Depth to Free Water inches.
Depth to Saturated Soil inches.

Wetland Hydrology Indicators:
Primary Indicators:
X Saturated in upper 12 inches.
Water Marks
Drain Lines
Sediment Deposits

Secondary Indicators (if more required):
X Co-Channel Root Channels in upper 12 inches
Water-Stained leaves
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks:

HYDROLOGY

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

Field Observations
Ground Surface Insulated inches.
Vegetation: Soil Saturated.
Depth to Free Water inches.
Depth to Saturated Soil inches.

Wetland Hydrology Indicators:
Primary Indicators:
X Saturated in upper 12 inches.
Water Marks
Drain Lines
Sediment Deposits

Secondary Indicators (if more required):
X Co-Channel Root Channels in upper 12 inches
Water-Stained leaves
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks:
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (shrub and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meadowfoam</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>60</td>
</tr>
<tr>
<td>Red raspberry</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>30</td>
</tr>
<tr>
<td>Blackberry</td>
<td>H SS T V</td>
<td>FACW-</td>
<td>20</td>
</tr>
<tr>
<td>Asparagus</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(1) SS T V</td>
<td>OBL</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>(2) SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>(3) SS T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>(4) SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

50/20 Rate Applied? Yes or No

Remarks:

---

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Remarks:

Photo Reference Number:

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
### SOILS

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Textural Description</th>
<th>Test Number</th>
<th>Soil Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4&quot;</td>
<td>O</td>
<td>loam</td>
<td>dry crumbly</td>
<td></td>
<td>sandy loam</td>
</tr>
<tr>
<td>4-8&quot;</td>
<td>A</td>
<td>loam</td>
<td>dry crumbly</td>
<td></td>
<td>sandy loam</td>
</tr>
<tr>
<td>8&quot;</td>
<td>B</td>
<td>loam</td>
<td>dry crumbly</td>
<td></td>
<td>sandy loam</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- Histosols
- High Org. Content in Surface Layer of Sandy Soils
- Organic Brooding in Sandy Soils
- Organic Low Oxygen color
- Aquatic Moisture Regime

**Landscape Position:**
- concave
- convex
- sloping

**Remarks:**

### HYDROLOGY

**Field Observations:**
- Ground Surface: Insulated __________ inches.
- Soil Saturated __________ inches.
- Depth to Free Water __________ inches.
- Depth to Saturated Soils __________ inches.

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Insulated
  - Saturated in upper 12 inches
  - Water Table
  - Drain Lines
  - Sediment Deposits

- **Secondary Indicators (if more required):**
  - Overland Flow Channels < 12 inches
  - Water Stained hs=5
  - Least Soil Survey
  - Morphological Plant Adaptations

**Remarks:**

no wetland hydrology
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (C/D/E)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Red maple</td>
<td>H SS C T V</td>
<td>FAC</td>
<td>60</td>
</tr>
<tr>
<td>2. Black cherry</td>
<td>H SS C T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>3. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>4. Sandy cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>5. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>6. Black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>7. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>8. Black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>9. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>10. Black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>11. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>12. Black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>13. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>14. Black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>15. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>16. Black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
</tbody>
</table>

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No [☐]
- **Hydric Soils Present?** Yes or No [☐]
- **Wetland Hydrology Present?** Yes or No [☐]
- **Is this Sampling Point Within a Wetland?** Yes or No [☐]

**Remarks:** Sparse understory/herb layer

---

s:edr office files/forms/Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1987 CDE Wetlands Definition Manual

Project No: 07255  Applicant: Roaring Brook Wind Power Project
Date: 9/10/07

Investigator: Dierks/Selkin/Beazley/Swanc

Do normal circumstances exist on site? No
Commodity: Permanent Wet

Is the site significantly dissected? Yes
Transaction Flag ID: MNS Wet

Is the area a potential Problem Area? Yes
Plot ID: MNS Wet

SOILS
Series and Phase: (PhB) Peat and Muck, deep
Drainage Class: WD WD WD WD WD WD

Series: (PhB) Peat and Muck, deep
Drainage Class: WD WD WD WD WD WD

Subgroup: Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

Hydric Soil Indicators:
Concurrent
High Org. Content in Surface Layer of Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils
Organic Sclerophyll in Sandy Soils

Texture, Structure, Other
Silt Loam with Silt Loam

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

Field Observations
Ground Surface saturated
Soil Saturated

Depth to Free Water inches.
Depth to Saturated Soils inches.

Wetland Hydrology Indicators:
Primary Indicators
Saturated in upper 12 inches.
Saturated in upper 12 inches.
Water Marks
Drift Line
Sediment Deposits

Secondary Indicators (2 or more required)
Surface Saturated in upper 12 inches
Water-Strained Vines
Local Soil Survey
Macrophyte Plant Adaptations
other (Explain in Remarks)

Remarks: Strong channel 4-10" wide
Ground substrate
Wetted vegetation

ldr office files/ForestWetland Determation.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (rich-wood)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland grass</td>
<td>H SS T V</td>
<td>FACW/0BL</td>
<td>90 %</td>
</tr>
<tr>
<td>Hedges</td>
<td>H SS T V</td>
<td>FACW</td>
<td>10 %</td>
</tr>
<tr>
<td>Fox Sedge</td>
<td>H SS T V</td>
<td>OBL</td>
<td>10 %</td>
</tr>
<tr>
<td>Arrowgrass</td>
<td>H SS T V</td>
<td>FACW</td>
<td>20 %</td>
</tr>
<tr>
<td>Wetland Willows</td>
<td>H SS T V</td>
<td>FACW/0BL</td>
<td>10 %</td>
</tr>
<tr>
<td>7</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>H SS T V</td>
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<td>13</td>
<td>H SS T V</td>
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<tr>
<td>14</td>
<td>H SS T V</td>
<td></td>
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<td>15</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW: 100 %

50/20 Rule Applied? 🌱 🍃 No

Remarks:

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? 🌿 or No

Saltmarsh Sedges Present? 🌿 or No

Wetland Hydrology Present? 🌿 or No

Is the Sampling Point Within a Wetland? 🌿 or No

Remarks:  

Photo Reference Number:  

s:\edr\office\forms\Data Form "Routine Wetland Delineation.xsd
## DATA FORM
### ROUTINE WETLAND DETERMINATION

**Project No:** E925  
**Applicant:** squeak brook wind power project  
**Date:** 9/20/02  
**Investigator:**  
**Town:** Martinusburg  
**County:** Lewis  
**State:** NY

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do normal circumstances exist on site?</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Is the site significantly disturbed?</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Is the area a potential Problem Area?</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

---

### SOILS

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
<th>Subgroup:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBA Peat and Muck Deep</td>
<td>WD MWD SPD PD VPD</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- **Histosol**
- **Eolic Epipedon**
- **Siltic Horiz**
- **Reduced Conditions**

**Landscape position:**
- **concave**
- **convex**
- **flattening**

**Remarks:**
understanding  
- no proper soil structure or layers  
- bare ground covered by Derek security

### HYDROLOGY

**Recorded Data:**
- No Recorded Data Available
- Stream, Lake or Tide Gauge
- Aerial Photographs

<table>
<thead>
<tr>
<th>Field Observations</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Surface</td>
<td>Inundated</td>
<td></td>
</tr>
<tr>
<td>Soil Sheeted</td>
<td>Depth to Free Water</td>
<td></td>
</tr>
<tr>
<td>Depth to Saturated Soil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators:**
- **Inundated**
- **Saturated in upper 12 inches**
- **Water Stains**
- **Drift Lines**
- **Sediment Deposit**
- **Drainage Patterns in Wetland**

**Secondary Indicators:**
- **Oxidized Root Channels in upper 12 inches**
- **Vegetation Stain**
- **Local Soil Survey**
- **Morphological Plant Adaptations**

**Remarks:**
no wetland hydrology
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species:</th>
<th>Structure: (circle one)</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S V V</td>
<td></td>
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<tr>
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<td>H S S T V</td>
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</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
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<td>H S S T V</td>
<td></td>
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<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC____

Remarks:

-- Begin WETLND DETERMINATION --

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Remarks:

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUNTE WETLAND DETERMINATION**
1987 COD Wetland Delineation Manual

---

**Project No.: 0725**
**Applicant: Roaring Brook Wind Power Project**

**Date:** 4/20/02

**Investigator: [Signature]**

**Tower:** [Signature]

**County:** Lewis

**State:** NY

---

**DO SOILS**

**Series and Phase:** Empyreville story loam

**Drainage Class:** US-920 DHD PD VPD

**Confirmed Map Type:** U No

---

**SOILS**

**Series and Phase:** Empyreville story loam

**Depth**

<table>
<thead>
<tr>
<th>Horizon</th>
<th>Matrix color</th>
<th>Mottle color/Abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2 ft</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2-4 ft</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>4-6 ft</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>6-8 ft</td>
<td>A</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Hydrology**

**Recorded Data (Describe in Remarks):**

**Field Observations:**

- **Ground Surface Imagery:** No
- **Soil Saturation:** Moist
- **Depth to Free Water:** inches
- **Depth to Saturation:** inches

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Inundated
  - Saturation in upper 12 inches
  - Water Mark
  - Drift Lines
  - Sediment Deposition
  - Drainage Patterns in Wetland

- **Secondary Indicators (2 or more required):**
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks:**

---

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**

**No Recorded Data Available**

**Aerial Photographs**

---

**Remarks:**

---

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**

**No Recorded Data Available**

**Aerial Photographs**

---

**Remarks:**

---

[Image of wetland map or diagram]
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratnum units and</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specified Astern</td>
<td>H S S T V</td>
<td>FACW</td>
<td>80%</td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td>FAC</td>
<td>100%</td>
</tr>
<tr>
<td>Old Maple</td>
<td>H S S T V</td>
<td>FACL</td>
<td>20%</td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td>FACL</td>
<td>0%</td>
</tr>
<tr>
<td>Yellow Grass</td>
<td>H S S T V</td>
<td>FACL/FAC</td>
<td>90%</td>
</tr>
<tr>
<td>Impalerz</td>
<td>H S S T V</td>
<td>FACL/FAC</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
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<td></td>
<td>H S S T V</td>
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<tr>
<td></td>
<td>H S S T V</td>
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<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Netwt of Dominant Species OBI, FACW, FAC: 100%

50/50 Rule Applied? Yes No

Percent of Dominant Species OBI, FACW: 67%

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present? Yes or No</th>
<th>Hydric Soils Present? Yes or No</th>
<th>Wetland Hydrology? Present? Yes or No</th>
<th>Is this Sampling Point Within a Wetland? Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:

`s:\edr office files\forms\Data Form Routine Wetland Delineation.xls`
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Past Species</th>
<th>Stratum (horiz. and vert.)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maple</td>
<td>H SS O V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Spruce Ace</td>
<td>H SS O V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Black Cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Hackberry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>Sycamore</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>Norway Spruce</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>Aspen</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
</tbody>
</table>

Percent of Dominant Species Obs., FACW, FAC: 88%

**Remarks:**

Upland veg - sparse + tangle

---

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No: Yes

Hydraulic Soils Present? Yes or No: No

Wetland Hydrology Present? Yes or No: Yes

Is this Sampling Point Within a Wetland? Yes or No: Yes

Remarks:

Photo Reference Number:

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
Project #: 07935  Appraiser: Roaring Brook Wind Power Project

Investigator: Schwegel/James

Does the site qualify for wetland mitigation if normal circumstances exist on site? Yes No

Is the site significantly disturbed? Yes No

Is the area a potential Problem Area? Yes No

Date: 9/20/02

County: Lewis

State: NY

SOILS

Series and Place: (EDB) Empyreville Story Loan

Depth

Matrix color

Matrix color/abundance

Texture, Structure, Other

Hydric Soil Indicators:

Histosol:

-High Organic Matter in Surface Layer of Sandy Soils

-Saline-Other

-Rayless Conditions

Organic Material in Sandy Soil

Gray or Light-Chroma color

Listed and Local Hydric Soil List

Listed as Potential for Hydric Inclusions Only

Other (Explain in Remarks)

Aquic Moisture Regime

Landform: convex x

Deeper x Approximate depth: 3-5

Remarks: Very Disturbed

HYDROLOGY

Recorded Data (Describe in Remarks):

Flag Observations

- Ground Surface士undained

- Soil Saturated

- Depth to Free Water

- Depth to Saturated Soils

- Wetland Hydrology Indicators:

Primary Indicators:

Banded

- Saturated in upper 12 inches

- Water Marks

- Duff Lines

- Sediment Deposits

Secondary Indicators (or more required):

- Oxidized Root Canals in upper 12 inches

- Water-Stained Leaves

- Local Soil Survey

- Morphological Plant Adaptations

- Other (Explain in Remarks)

Remarks:

e:edr office files/forms/Data Form Routine Wetland Determination.xl
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green bush</td>
<td>S SS T V</td>
<td>OBL</td>
<td>20</td>
</tr>
<tr>
<td>Sagittaria</td>
<td>S SS T V</td>
<td>FAC+</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>S SS T V</td>
<td>FACW</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>S SS T V</td>
<td>OBL</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>S SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>S SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

50/50 Rule Applied: Yes

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xlsx
**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Depth</th>
<th>Matrix Color</th>
<th>Matrix Color/Abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>(EdB) Empeyville silt loam</strong></td>
<td>0-4&quot;</td>
<td>A</td>
<td>10% vs 4/1</td>
<td>highly organic</td>
</tr>
<tr>
<td></td>
<td>4-B&quot;</td>
<td>A</td>
<td>10% vs 4/1</td>
<td>10% vs 4/1</td>
</tr>
<tr>
<td></td>
<td>8&quot;</td>
<td>B</td>
<td>10% vs 4/1</td>
<td>none</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- **Consoations**
- **Histosols**
- **High Org. Content in Surface Layer of Sandy Soils**
- **Surface Oxidation**

**Landscape Position:**
- **Convergent**
- **Sloping**
- **Approximate Slope:**

**Remarks:**

*highly disturbed from logging/grading*

---

**HYDROLOGY**

- **Recorded Data (Describe if Remarks):**
  - No Recorded Data Available
- **Aerial Photographs**
- **Ground Surface Inundated:** inches
- **Soil Saturated:**
- **Depth to Free Water:** inches
- **Depth to Saturated Soil:** inches

**Wetland Hydrology Indicators:**
- **Primary Indicators:**
  - Inundated
  - Saturated in upper 12 inches
  - Water Marks
  - Drift Lines
  - Sediment Deposits

**Secondary Indicators (2 or more required):**
- Oxidized Root Channels in upper 12 inches
- Water-Stained Areas
- Leaky Soil Survey
- Morphological Plant Adjacencies
- Other (Explain in Remarks)

**Remarks:**

*No wetland hydrology*
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratatt (cols and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Sugar maple</td>
<td>H GS T V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>2. Red maple</td>
<td>H GS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>3. Yellow birch</td>
<td>H GS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>4. Black cherry</td>
<td>H GS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>5. Black birch</td>
<td>H GS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>6. Sugar maple</td>
<td>H GS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>7.</td>
<td>H GS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>8. Wild cherry</td>
<td>H GS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>9. Canada mayflower</td>
<td>H GS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
</tbody>
</table>

#### Percent of Dominant Species Obs., FACW, FAC:
33%

#### 50/20 Rule Applied?:
- Yes
- No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Is this Sampling Point Within a Wetland?:
- Yes
- No

### Remarks:
- Sparse herb layer

---

Photo Reference Number: s:edr office files/forms/Data Form Routine Wetland Delineation.xls
Project No: 07035  Applicant: Homer Brook Wind Power Project  Date: 2/29/04

Investigator: BoughstRoberts/Scotts/Scovil

Twy- Country: Martineburg

State: Lewis

NY

Do normal circumstances exist on site? Yes B

Is the site significantly damaged? No

Is the area a potential Problem Area? Yes 

Drainage Class: Wet

Hydric Soil Indicators:

- Concretions
- High Org. Content in Surface Layer
- Sandy Soils
- Organic Streaking in Sandy Soils
- Clayey or Low Ceramic soil

Lined on Local Hydric Soil List
Lined in Potential for Hydric Inclusions Only
Other (Explain in Remarks)
Aquic Moisture Group

Landscape position: 

- Convergent  
- Convex  
- Steep

Remarks: fire Hat disturbed

HYDROLOGY

Recorded Data (Describe in Remarks)

- No Recorded Data Available
- Stream, Lake or Tide Gauge
- Aerial Photographs

Field Observations

- Ground Surface Inundated
- Soil Saturated
- Depth to Free Water
- Depth to Saturated Soil

Wetland Hydrology Indicators:

Primary Indicators:

- Inundated
- Saturated in upper 12" inches
- Water Marks
- Ditch Lines

Secondary Indicators (2 or more required):

- Oxidized foot Channels in upper 12" inches
- Water Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

file:/drf office files/formal/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Stratum: (circled only)</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Soft rush</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>2. Green bristle</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>3. Narrow-leaved ground</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>4. Wool grass</td>
<td>FACW+</td>
<td>5</td>
</tr>
<tr>
<td>5. Smartweed trade</td>
<td>OBL</td>
<td>5</td>
</tr>
<tr>
<td>6. Flat topped grass</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>7.</td>
<td>H S S T V</td>
<td></td>
</tr>
<tr>
<td>8. Yellow oak</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>9. Blackberry</td>
<td>FACW-</td>
<td>10</td>
</tr>
<tr>
<td>10. Red maple</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>11.</td>
<td>H S S T V</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>H S S T V</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>H S S T V</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>H S S T V</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H S S T V</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H S S T V</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC _80 %_ 50/20 Rule Applied?  
Yes  No

Remarks:

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Hydric Vegetation Present?</th>
<th>Yes  No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hydric Soils Present?</th>
<th>Yes  No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Wetland Hydrology Present?</th>
<th>Yes  No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes  No</th>
</tr>
</thead>
</table>

Remark:

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
### SOILS

**Surface and Place:** Emepewulo skny loam  
**Drainage Class:** WD SE SP TD VPD

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Textural Structure</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2” D</td>
<td>Organic matter</td>
<td>silty loam</td>
<td>Yes No</td>
<td>Yes No</td>
</tr>
</tbody>
</table>

**Hydrologic Soil Indicators:**  
- Least Rigid
- High Organ. Content in Surface Layer of Sandy Soils
- Organic Staining in Sandy Soils
- Clayed or Low Chlorine color

**Landscape position:** concave convex sloping

**Remarks:** Very disturbed from logging/road use

---

### HYDROLOGY

**Recorded Data (Describe in Remarks):** No Recorded Data Available

**Field Observations:**  
- Ground Surface Unaltered
- Soil Satuated

**Depth to Free Water:** inches

**Depth to Saturated Soil:** inches

**Wetland Hydrology Indicators:**  
- Saturated in upper 12 inches
- Water Stains
- Gully Bottom
- Sediment Deposi

**Secondary Indicators:**  
- Water-Logged Islands
- Local Soil Survey
- Morphological Plant Adaptations

**Remarks:** No wetland hydrology
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (c&amp;l code)</th>
<th>Inference</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black cherry</td>
<td>H S8 T V</td>
<td>FAC V</td>
<td>30 -</td>
</tr>
<tr>
<td>Blackberry</td>
<td>H S8 T V</td>
<td>FAC-V</td>
<td>30 -</td>
</tr>
<tr>
<td>Yellow Birch</td>
<td>H S8 T V</td>
<td>FAC V</td>
<td>30 -</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>H S8 T V</td>
<td>FAC V</td>
<td>30 -</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>S8 T V</td>
<td>UPL V</td>
<td>40 -</td>
</tr>
<tr>
<td>Herbaceous</td>
<td>S8 T V</td>
<td>UPL V</td>
<td>40 -</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACV, FAC = 40%

50/50 Rule Applied? Yes

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:

s:\edr\office\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM ROUTINE WETLAND DETERMINATION**

1981 CDE Wetlands Determination Manual

**Project No.:** 07025  
**Aplicant:** Roaring Brook Wind Power Project

**Investigator:**  

**Date:** 9/20/07

**Town:** Martinsburg
**County:** Lewis
**State:** NY

**Questions:**
- Do normal circumstances exist on site? **Yes**
- Is the site significantly disturbed? **Yes**
- Is the area a potential Problem Area? **Yes**

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Soil Color</th>
<th>Matrix Color/absence</th>
<th>Textur, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>(PFA) Peat and Musk Deep</td>
<td>10% 4/3</td>
<td>10% 4/6</td>
<td>Silty clay loam</td>
</tr>
<tr>
<td>60% 1/2</td>
<td>10% 5/6</td>
<td>loamy silt clay</td>
<td></td>
</tr>
<tr>
<td>8% other</td>
<td>6% 15% granular more permeable chrysozems</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- **Histosols**
- **Equidistant**
- **Sedimentary Bodies**
- **Reducing Conditions**

**Landscpe position:**  
- convex
- concave  
- flat
- undulating
- slope  
- Approximate slope:

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>Field Observations</th>
<th>Wetland Hydrology Indicators:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
<td>Ground Surface inundated inches</td>
<td></td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td>Soil Saturated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lep to Free Water inches</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Depth to Saturated Soils inches</td>
<td></td>
</tr>
</tbody>
</table>

**Primary Indicators:**
- Inundated
- Saturated in upper 12 inches.
- Water Marks
- Ditch Lines
- Sediment Deposition

**Secondary Indicators (if more requested):**
- Oxidized Root Channels in upper 12 inches
- Wiggly-Gilled Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remark:**
- NYDEC 8/18.708

**office file:/opt/ladr/office/fileform/14/Data Form Routine Wetland Determination.xls**
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (shrub and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sedge</td>
<td>SS T V</td>
<td>FACt</td>
<td>10%</td>
</tr>
<tr>
<td>Sedge</td>
<td>SS T V</td>
<td>FACw</td>
<td>10%</td>
</tr>
<tr>
<td>Sedge</td>
<td>SS T V</td>
<td>OBL</td>
<td>20%</td>
</tr>
<tr>
<td>Sedge</td>
<td>SS T V</td>
<td>FACw/obc</td>
<td>20%</td>
</tr>
<tr>
<td>Sedge</td>
<td>SS T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>H Sedge</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H Sedge</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H Sedge</td>
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</tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>H Sedge</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC: 100%**

**5020 Rule Applied?** Yes No

### WEITL-ND DETERMINATION

-**Hydrophyte Vegetation Present?** No
-**Hydric Soils Present?** No
-**Wetland Hydrology Present?** No
-**Is this Sampling Point Within a Wetland?** No

**Remarks:**

---

s:\edr\office\fileforms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1987 COM Wetlands Determination Manual

Project No: 0725
Applicant: Roaring Brook Wind Power Project
Date: 5/20/07

Investigator: [Name]
Community: [Name]

Do normal circumstances exist on site? Yes ☐ No ☐
Is the site significantly disturbed? Yes ☐ No ☐
Is the area a potential Problem Area? Yes ☐ No ☐

Town: Martinsburg
County: Lewis
State: NY

SOILS
Series and Phase: (PbA) Field and Muck, Deep
Drainage Class: WD-NWD SFD PD VTP

Subgroup: HORIZON: 10 YR 8.5 10 YR 2.5 2.5
Matrix color: No color
Texture: Silty loam
Surface color-abundance: None
Hydrologic Soil Indicators:

Y/N: [No]

Hydrology:

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

Field Observations
Ground Saturated Depth to Free Water Depth to Saturated Soil

Primary Indicators:

Saturated in upper 12 inches. Water-Stained leaves
Saturated in 12 inches. Local Soil Survey
Water Mark
Drift Lines
Morphological Plant Adaptations
Sediment Deposits
Other (Explain in Remarks)

Secondary Indicators (3 or more required):

Oxidized Root Channels in upper 12 inches
Water-Stained leaves

Wetland Hydrology Indicators:

Remarks:

No wetland hydrology

274 North Goodman Street
Rochester, New York 14607
## VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Spot Tur (size only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Susar map 6</td>
<td>H</td>
<td>FAC 7</td>
<td>20.0%</td>
</tr>
<tr>
<td>2. yellow m 6 5</td>
<td>H</td>
<td>FAC 7</td>
<td>10.0%</td>
</tr>
<tr>
<td>3. Elyg fern 7</td>
<td>H</td>
<td>FAC 7</td>
<td>30.0%</td>
</tr>
<tr>
<td>4. red m 6 5</td>
<td>H</td>
<td>FAC 7</td>
<td>70.0%</td>
</tr>
<tr>
<td>5. white b 6 5</td>
<td>H</td>
<td>FAC 7</td>
<td>15.0%</td>
</tr>
<tr>
<td>6. red m 6 5</td>
<td>H</td>
<td>FAC 7</td>
<td>5.0%</td>
</tr>
<tr>
<td>7. red m 6 5</td>
<td>H</td>
<td>FAC 7</td>
<td>5.0%</td>
</tr>
<tr>
<td>8. white b 6 5</td>
<td>H</td>
<td>FAC 7</td>
<td>15.0%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 50%

### Remarks:

Spade next bayer (aside from here)

---

## WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Hydric Soils Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Photo Reference Number: s:/edr office files/forms/Data Form Routine Wetland Delineation.xls
**DATA FORM**

**Routine Wetland Determination**

1997 COE Wetland Determination Manual

**Project No:** 07025  
**Applicant:** Bearing Brook Wind Power Project

**Investigator:** Skibinski/Donnelly/Scrak  
**Community:** Enlarged

**County:** Lewis  
**State:** NY

**Date:** 9/10/07

**Taxes:** Marcellus

---

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WD MWD SPF PD VPD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth</th>
<th>Matrix color</th>
<th>Motile color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-16&quot;</td>
<td>A</td>
<td>Nove</td>
<td>Soup - moist + sticky</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- **Hydric Epiphenon:**
- **Subsurface Alteration:**
- **Redoximorphic Features:**

**Landscape position:**
- concave
- convex

**Remarks:**

---

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**
- No Recorded Data Available
- Stream, Lake or Tide Gage
- Aerial Photographic

**Field Observations:**
- *Ground Surface Inundated: 0-1/2 inch*
- *Soil Saturation*
- *Depth to Free Water: 0 inches*
- *Depth to Saturated Soil: 0 inches*

**Wetland Hydrology Indicators:**
- **Primary Indicators:**
  - X Saturated in upper 12 inches
  - Water Marks
  - Ditch Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

**Secondary Indicators (7 or more required):**
- Oxidized Root Channels in upper 12 inches
- Water-Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

X Needs Culvert X

---

*eadr office files/forms/Data Form Routine Wetland Determination.rts*
## VEGETATION

<table>
<thead>
<tr>
<th>#</th>
<th>Dominant Plant Species</th>
<th>Stratum (Dhls only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ribes amarum</td>
<td>VS T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>Bar reed</td>
<td>VS T V</td>
<td>OBL</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td>Viminaria hirsuta</td>
<td>VS T V</td>
<td>FACW</td>
<td>50</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>VS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

50/20 Rule Applied: Yes

Remarks:

## WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Environmental Design & Research
217 Montgomery Street, Suite 1000
Syracuse, New York 13202

Project No: 07825
Applicant: Rotting Brook Wind Power Project
Date: 9/20/2007

Investigator: [Signature] (No locality information)
Investigator's Phone: [Phone number]
Date: [Date]

Soils
Series and Phase:
Subgroup:
Depth Location: 0" - H0"
Matrix color: Organic material
Texture, Structure, Other: [Texture information]
Hydraulic Soil Indicators: [Indicators listed]
Landscape position: concave
Hydrology
Recorded Data (Describe in Remarks)
No Recorded Data Available
Field Observations
Ground Surface Inundated inches.
Soil Saturated.
Depth to Free Water inches.
Depth to Saturated Soil inches.

Wetland Hydrology Indicators:
Primary Indicators:
Secondary Indicators (2 or more required):

Drainage Patterns in Wetland

Remarks:

Environment Design & Research
217 Montgomery Street, Suite 1000
Syracuse, New York 13202

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Series and Phase:
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Matrix color: Organic material
Texture, Structure, Other: [Texture information]
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Soils
Series and Phase:
Subgroup:
Depth Location: 0" - H0"
Matrix color: Organic material
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Investigator's Phone: [Phone number]
Date: [Date]

Soils
Series and Phase:
Subgroup:
Depth Location: 0" - H0"
Matrix color: Organic material
Texture, Structure, Other: [Texture information]
Hydraulic Soil Indicators: [Indicators listed]
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Investigator's Phone: [Phone number]
Date: [Date]

Soils
Series and Phase:
Subgroup:
Depth Location: 0" - H0"
Matrix color: Organic material
Texture, Structure, Other: [Texture information]
Hydraulic Soil Indicators: [Indicators listed]
Landscape position: concave
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Investigator: [Signature] (No locality information)
Investigator's Phone: [Phone number]
Date: [Date]

Soils
Series and Phase:
Subgroup:
Depth Location: 0" - H0"
Matrix color: Organic material
Texture, Structure, Other: [Texture information]
Hydraulic Soil Indicators: [Indicators listed]
Landscape position: concave
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Investigator: [Signature] (No locality information)
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Soils
Series and Phase:
Subgroup:
Depth Location: 0" - H0"
Matrix color: Organic material
Texture, Structure, Other: [Texture information]
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Secondary Indicators (2 or more required):

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Syracuse, New York 13202

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Soils
Series and Phase:
Subgroup:
Depth Location: 0" - H0"
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Texture, Structure, Other: [Texture information]
Hydraulic Soil Indicators: [Indicators listed]
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Drainage Patterns in Wetland

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Syracuse, New York 13202

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Investigator: [Signature] (No locality information)
Investigator's Phone: [Phone number]
Date: [Date]

Soils
Series and Phase:
Subgroup:
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Matrix color: Organic material
Texture, Structure, Other: [Texture information]
Hydraulic Soil Indicators: [Indicators listed]
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Secondary Indicators (2 or more required):

Drainage Patterns in Wetland

Remarks:

Environment Design & Research
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Syracuse, New York 13202

Project No: 07825
Applicant: Rotting Brook Wind Power Project
Date: 9/20/2007

Investigator: [Signature] (No locality information)
Investigator's Phone: [Phone number]
Date: [Date]

Soils
Series and Phase:
Subgroup:
Depth Location: 0" - H0"
Matrix color: Organic material
Texture, Structure, Other: [Texture information]
Hydraulic Soil Indicators: [Indicators listed]
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Hydrology
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Wetland Hydrology Indicators:
Primary Indicators:
Secondary Indicators (2 or more required):

Drainage Patterns in Wetland

Remarks:
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratify: (circle one)</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. beach</td>
<td>H S S V</td>
<td>FACU</td>
<td>90%</td>
</tr>
<tr>
<td>2. yellow birch</td>
<td>H S S V</td>
<td>FAC</td>
<td>40%</td>
</tr>
<tr>
<td>3. red maple</td>
<td>H S S V</td>
<td>FAC</td>
<td>35%</td>
</tr>
<tr>
<td>4.</td>
<td>H S S V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>H S S V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. hobblegut</td>
<td>H S T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>7. beach</td>
<td>H S T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>8. blue spruce</td>
<td>H T V</td>
<td>FACW-</td>
<td>30%</td>
</tr>
<tr>
<td>9.</td>
<td>H S S V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>H S S V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. shrub and moss</td>
<td>B S S V</td>
<td>FACW</td>
<td>5%</td>
</tr>
<tr>
<td>12. introduced veg</td>
<td>B S T V</td>
<td>FAC</td>
<td>5%</td>
</tr>
<tr>
<td>13.</td>
<td>H S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>H S S V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H S S V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H S S V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **47%**  
Percent of Dominant Species OBL, FACW, FAC: **53%**

50/20 Rule Applied: Yes  
Remarks: **pHa, lead, slipper, Indian pipe, < 5%**

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes  
- **Hydric Soils Present?** No  
- **Wetland Hydrology Present?** Yes  
- **Is this Sampling Point Within a Wetland?** Yes

Remarks: **Photo Reference Number:**

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
**SOILS**

**Saturated Phase:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Matrix color</th>
<th>Matrix color/abundance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>Bk 10YR 4/2</td>
<td>10YR 4/2</td>
</tr>
<tr>
<td>4-8</td>
<td>GY 10YR 4/2</td>
<td>10YR 4/2</td>
</tr>
<tr>
<td>8-12</td>
<td>GY 10YR 4/2</td>
<td>10YR 4/2</td>
</tr>
</tbody>
</table>

**Hydraulic Soil Indicators:**

- **Hydrograph:**
  - **Constrains:**
  - Listed on Local Hydraulic Splits List
  - Listed in Potential for Hydric Inclusion Only
  - **Soil Condition:**
  - Organic Alluvial in Sandy Soils
  - Other (Explain in Remarks)
  - Aquifer Moisture Engine

**Landscape position:**

- convex
- concave
- steep
- approximate slope:

**HYDROLOGY**

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
  - Stream, Lake, or Tidal Gauge
  - Aerial Photograph

- **Field Observations:**
  - **Soil saturated:**
  - **Water level:**
  - **Depth to Free Water:** inches.
  - **Depth to Saturated Soil:** inches.

- **Wetland Hydrology Indicators:**
  - **Primary Indicators:**
    - Inundated
    - Saturated in upper 12 inches
    - Water Marks
    - **Secondary Indicators:** (3 or more required)
      - Oxidized Root Channels in upper 12 inches
      - Water Stained leaves
      - Local Soil Survey
      - Morphological Plant Adaptations
      - Other (Explain in Remarks)

**Comment:**

- USR office file/Forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant/Plant Species</th>
<th>Structure (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Anemone sedge</td>
<td>S S T V</td>
<td>OBL</td>
<td>60 %</td>
</tr>
<tr>
<td>2. Yellow flag</td>
<td>H S S G V</td>
<td>FAC</td>
<td>20 %</td>
</tr>
<tr>
<td>3. Yellow larch</td>
<td>H S S G V</td>
<td>FAC</td>
<td>40 %</td>
</tr>
<tr>
<td>4. Yellow flag</td>
<td>H S S G V</td>
<td>FAC</td>
<td>70 %</td>
</tr>
<tr>
<td>5. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16. Yellow larch</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100 %

50/20 Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:

S:\edc\office files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1997 CDF Wetlands Determination Manual**

---

**Project No:** 07225  
**Applicant:** Rearing Break Wind Power Project

---

**SOILS**

| Series and Phase: | Training Class: | Wetland Type/Abundance:
|------------------|-----------------|---------------------
|                  | Yes No | Sandy Clay 10cm sihl 10cm

**Subgroup:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-9</td>
<td>Sandy clay 10cm sil h 10cm</td>
</tr>
<tr>
<td>9+</td>
<td>Sandy clay 10cm sil h 10cm</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Listed on Local Hydric Soils List</th>
<th>Listed as Potential for Hydric Inclusions Only</th>
<th>Other (Explain in Remarks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venice Epigene</td>
<td>High Org. Content in Surface Layer of Sandy Soils</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Landscape position:**

- concave
- convex
- sloping

**Remarks:**

---

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**

- No Recorded Data Available
- Stream, Lake, or Tidal Gauge
- Aerial Photographs

**Field Observations:**

- Ground Surface Insulated inches.
- Soil Saturation
- Depth to Free Water inches.
- Depth to Saturated Soil inches.

**Wetland Hydrology indicators:**

**Primary Indicators:**

<table>
<thead>
<tr>
<th>Inundated</th>
<th>Oxidized Root Channels in upper 12 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturated in upper 12 inches</td>
<td>Water-Stained leaves</td>
</tr>
<tr>
<td>Water Marks</td>
<td>Local Soil Survey</td>
</tr>
<tr>
<td>Rill Lines</td>
<td>Morphological Plant Adaptations</td>
</tr>
<tr>
<td>Sediment Deposits</td>
<td>Other (Explain in Remarks)</td>
</tr>
<tr>
<td>Drainage Patterns in Wetland</td>
<td></td>
</tr>
</tbody>
</table>

**Secondary Indicators (2 or more required):**

- Waste-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

s:4dr office/files/forms/Data Form Routine Wetland Determination.xls
<table>
<thead>
<tr>
<th>VEGETATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dominant Plant Species:</strong></td>
</tr>
<tr>
<td>1. <strong>Yellow Birch</strong></td>
</tr>
<tr>
<td>2. <strong>Sumac</strong></td>
</tr>
<tr>
<td>3. <strong>Balsam</strong></td>
</tr>
<tr>
<td>4. <strong>Beech</strong></td>
</tr>
<tr>
<td>5. <strong>Robber's Thistle</strong></td>
</tr>
<tr>
<td>6. <strong>Beech</strong></td>
</tr>
<tr>
<td>7. <strong>Red Maple</strong></td>
</tr>
<tr>
<td>8. <strong>Beech</strong></td>
</tr>
<tr>
<td>9. <strong>Bunchberry</strong></td>
</tr>
<tr>
<td>10. <strong>Goldthread</strong></td>
</tr>
<tr>
<td>11. <strong>Smooth Viburnum</strong></td>
</tr>
<tr>
<td>12. <strong>Crested Dogwood</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Indicate</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H SS O V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>H SS O V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>H SS O V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>60</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>H SS O V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC**

- **H 90%**
- **H 40%**

**5920 Rule Applied?**
- **Yes**
- **No**

**Remarks:**

---

<table>
<thead>
<tr>
<th>WETLAND DETERMINATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrophytic Vegetation Present?</td>
</tr>
<tr>
<td>Hydric Soils Present?</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
</tr>
<tr>
<td>Is this Sampling Event Within a Wetland?</td>
</tr>
</tbody>
</table>

**Remarks:**

- Photo Reference Number:
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (scale out)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>B. amurai</em></td>
<td>H S/S T V</td>
<td>FACW</td>
<td>2.0 %</td>
</tr>
<tr>
<td><em>B. amurai</em></td>
<td>H S/S T V</td>
<td>FACW+</td>
<td>10 %</td>
</tr>
<tr>
<td><em>S. juniperum</em></td>
<td>H S/S T V</td>
<td>FACW/000</td>
<td>3.0 %</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW = 100

% of Dominant Species OBL, FACW = 100

50/20 Rule Applied? No

**Remarks:**

---

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

**Remarks:**

**Photo Reference Number:**
**Environmental Design & Research**
277 Montgomery Street, Suite 1000
Syracuse, New York 13202

**DATA FORM**
**ROUTINE WETLAND DETERMINATION**
**1997 CDF Wetlands Delimitation Manual**

---

**Project No:** 0725  
**Applicant:** Beargrass Wind Farm Project  
**Date:** 6/28/99  
**Investigator:** Submersible Array Project  
**Tissue:** Martinberg  
**County:** Lewis  
**State:** NY

<table>
<thead>
<tr>
<th>Do normal circumstances exist on site?</th>
<th>Yes/No</th>
<th>Community</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the site significantly disturbed?</td>
<td>Yes/No</td>
<td>Trans/Flag ID</td>
</tr>
<tr>
<td>Is the area a potential Problem Area?</td>
<td>Yes/No</td>
<td>Plat ID</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series and Phase:</td>
</tr>
<tr>
<td>Subgroup:</td>
</tr>
<tr>
<td>Depth</td>
</tr>
<tr>
<td>Hydric Soils:</td>
</tr>
<tr>
<td>Hiologic Epiphenon</td>
</tr>
<tr>
<td>Sodic Craton</td>
</tr>
<tr>
<td>Reducing Conditions</td>
</tr>
<tr>
<td>Landscape position:</td>
</tr>
<tr>
<td>cove</td>
</tr>
<tr>
<td>slope</td>
</tr>
</tbody>
</table>

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Explain in Remarks)</th>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stream, Lake or Tide Gauge</td>
<td>Ground Surface Insulated _______ inches.</td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td>Soil Intersected</td>
</tr>
<tr>
<td>Depth to Free Water</td>
<td>inches.</td>
</tr>
<tr>
<td>Depth to Saturated Soils</td>
<td>inches.</td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators:**

<table>
<thead>
<tr>
<th>Primary Indicators</th>
<th>Secondary Indicators (2 or more required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insulted</td>
<td>Oxidized Root Channels in upper 12 inches</td>
</tr>
<tr>
<td>Saturated in upper 12 inches</td>
<td>Water-Stained leaves</td>
</tr>
<tr>
<td>Water Stains</td>
<td>Local Soil Survey</td>
</tr>
<tr>
<td>Drift Lines</td>
<td>Morphological Plant Adaptations</td>
</tr>
<tr>
<td>Sediment Deposits</td>
<td>Other (Explain in Remarks)</td>
</tr>
<tr>
<td>Drainage Patterns in Wetland</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

---

s://edr.office/file/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Species</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black cherry</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>Sugar maple</td>
<td>FACU-</td>
<td>30</td>
</tr>
<tr>
<td>Big leaf maple</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>Yellow birch</td>
<td>FACU</td>
<td>80</td>
</tr>
<tr>
<td>Black locust</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>White locust</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>Red locust</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>Wood fern</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>Wax myrtle</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>Japanese knotweed</td>
<td>FACU-</td>
<td>20</td>
</tr>
<tr>
<td>Common alder</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>Common hawthorn</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Common buckthorn</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Common willow</td>
<td>FACU</td>
<td>20</td>
</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No: No
- **Hydric Soils Present?** Yes or No: No
- **Wetland Hydrology?** Yes or No: No
- **Is this Sampling Point Within a Wetland?** Yes or No: No

**Remarks:**

---

s:ledr office files/forms/Data Form Routine Wetland Delineation.xls
Project No: 07025  Applicant: Bearing-Break Wind Power Project

Investigator: Suble/Thearle/Ward

Date: 08/21/07

Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is the area a potential flood zone? No

SOILS

Series and Phase: CA
Subgroup: C

Borden/Nowak/Bray

Drainage Class: WD

Texture: Clay

Depth Date
0034 12/20/06 24-14
12-14 12/20/06 54-15

Hydraulic Soil Indicators:

Histosol

Organic horizon in surface layer of sandy soils

Solsol: Ochre

Organic Staining in Sandy Soils

Mottle Color/Abundance: Mottled

Landslide Potential: Yes

Landslide Indications:

Convexity

Convex

Sloping

Approximate slope:

HYDROLOGY

Recorded Data (Describe in Remarks): None

No Recorded Data Available

Aerial Photos

Field Observations

Ground Surface Inundation: 0-8 inches.

Soil saturated

Depth to Fresh Water: 2 inches.

Depth to Un saturated: 2 inches.

Wetland Hydrology Indicators:

Primary Indicators:

Saturated in upper 12 inches
Water Marks
Ditch lips
Sediment deposits

Secondary Indicators (2 or more required):

Water Stained leaves
Lead Soil Survey
Morphological Plant Adaptations

Other (Explain in Remarks):

Remarks:

hmmooey furr

s:sd office file/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum: (circle one)</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td>wetland grass</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>tussocks</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>fescue</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>marsh grass</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>sedges</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>sedge</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>grass</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>marsh</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>red maple</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>lilies</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>red maple</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>kentucky bluegrass</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>red maple</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>lilies</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20%</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC: 100%**

**50/20 Rule Applied?** ☑️ No

**Remarks:** Offsets further out (beyond sample point)

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
Project No: PM25  Applicant: Roaring Brook Wind Power Project  Date: 9/10/07

Investigator: Winder  Community: Martinburg

Do normal circumstances exist on site?  Yes No
Is the site significantly disturbed?  Yes No
Is the area a potential Problem Area?  Yes No

Tunnel Exit ID: WV  Plot ID: WV3 Up

SOILS

Series and Phase:  Drainage Class: WD MWD SPD PD VPD
Subgroup:  Confirm Mapper Type: Yes No

Depth Horizon Matrix color Matrix color/abundance Texture, Structure, Other
0-6" A brown water - clay loam
6-12" A brown clay loam

Hydric Soil Indicators:  Listed on Local Hydric Soil List

- Histosol
- High-Organic Content in Surface Layer of Sandy Soils
- Organic-Stepping in Sandy Soils
- Oiled or Low-Chroma color
- Aquatic Moisture Regime

Landscape position: upland convex / sloping Approximate slope:

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)  Field Observations
No Recorded Data Available  Ground Water Inundated inches
Stream, Lake, or Tide/Estaur  Soil Satuated
Aerial Photographs  Depth to Free Water inches

Wetland Hydrology Indicators:

Inundated  Depth to Saturation inches
Saturated in upper 12 inches
Water Marks
Drift Lines

Secondary Indicators (2 or more required):

Oxidized Root Channels in upper 12 inches
Water-Stained leaves
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks: No Wetland Hydrology
<table>
<thead>
<tr>
<th>Common Name</th>
<th>Habitat</th>
<th>Stage</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Warbler</td>
<td>H</td>
<td>SS</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>Red Warbler</td>
<td>H</td>
<td>SS</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Red Male</td>
<td>H</td>
<td>SS</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>Bough</td>
<td>H</td>
<td>SS</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>Trolley</td>
<td>H</td>
<td>SS</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Bough</td>
<td>H</td>
<td>SS</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Bough</td>
<td>H</td>
<td>SS</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Bough</td>
<td>H</td>
<td>SS</td>
<td>FAC</td>
<td>5</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 97%

50/20 Rate Applied: Yes

Remarks: also Mossy Hawk, Red Tailed Hawk, Canada Goose, Indigo Bunting

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydric Soils Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No

Remarks: Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum: (circled)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Speci*ed Alder</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>40</td>
</tr>
<tr>
<td>2 Speci*ed Alder</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>3 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Speci*ed Alder</td>
<td>H SS T V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>5 Speci*ed Alder</td>
<td>H SS T V</td>
<td>FACW/BL</td>
<td>60</td>
</tr>
<tr>
<td>6 Speci*ed Alder</td>
<td>H SS T V</td>
<td>FACW</td>
<td>130</td>
</tr>
<tr>
<td>7 Speci*ed Alder</td>
<td>H SS T V</td>
<td>OBL</td>
<td>80</td>
</tr>
<tr>
<td>8 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 Speci*ed Alder</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC**

**Percent of Dominant Species OBL, FACW, FAC**

**50/20 Rule Applied?**

| No |

**Remarks:**

*Note: Projected species not present (not dominant)*

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

**Remarks:**

**Photo Reference Number:**

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
Project No. 0725
Applicant: Bearing Brook Wind Power Project

Investigator: [Name]

Do normal circumstances exist on site? Yes
No Community: [Name]

Is the site significantly disturbed? Yes
No Transmittal/Flag ID:

Is the area a potential Problem Area? Yes
No Plot ID:

SOILS

Series and Phase:

Subgroup:

Depth Horizon Matrix color Mother color/absence Texture Structure, Other

Hydric Soil Indicators:

Landscape position:

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available

Stream, Lake or Tide Gauge

Aerial Photographs

Field Observations

Ground Surface Inundated inches.

Soil Saturated

Depth to Free Water inches.

Depth to Saturated Soils inches.

Wetland Hydrology Indicators:

Primary Indicators:

Secondary Indicators (1 or more required)

Remarks:

No wetland

r:\edr\office\files\brms\Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (above/ground)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Red maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>85</td>
</tr>
<tr>
<td>2 Beech</td>
<td>H S S T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>3 Yellow birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>4 Paper birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>5 Black spruce</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>6 Red maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>7 Black cherry</td>
<td>H S S T V</td>
<td>FACU</td>
<td>2</td>
</tr>
<tr>
<td>8 Eastern red cedar</td>
<td>H S S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>9 American beech</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>10 Gold firer</td>
<td>H S S T V</td>
<td>FACW</td>
<td>4</td>
</tr>
<tr>
<td>11 Swamp willow</td>
<td>H S S T V</td>
<td>FACU</td>
<td>4</td>
</tr>
<tr>
<td>12 Red maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>4</td>
</tr>
<tr>
<td>13 Yellow birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>14 Black spruce</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>15 Red maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>16 Black cherry</td>
<td>H S S T V</td>
<td>FACU</td>
<td>2</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBI, FACW, FAC: 75 \%

Percent of Dominant Species OBI, FACW: 25 \%

5020 Rule Applied? Yes No

**WETLAND DETERMINATION**

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No

Remarks:

Photo Reference Number:

s:\edir\office files\forms\Data Form Routine Wetland Delineation.xls
**Project No.**: 07015  
**Applicant**: Starling Brook Wind Power Project  
**Date**: 9/25/02

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>Drainage Class:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td>WD MWD SPD PD VPD</td>
</tr>
<tr>
<td>Depth</td>
<td>Hydric Soil Indicators:</td>
</tr>
<tr>
<td>0-6&quot;</td>
<td>Heritage: Organic matter - Mostly Sphagnum</td>
</tr>
<tr>
<td>6-8&quot;</td>
<td>None</td>
</tr>
<tr>
<td>8&quot;</td>
<td>Sandy Clay</td>
</tr>
</tbody>
</table>

**HYDROLOGY**

- **Recorded Data (Describe in Remarks)**
  - No Recorded Data Available
  - Aerial Photographs

- **Stream, Lake or Tide Gauge**

- **Aerial Photograph**

- **Depth to Free Water**

- **Depth to Saturated Soil**

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Inland
  - Saturation in upper 12 inches
  - Water Marsh
  - Ditch Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

- **Secondary Indicators (2 or more required):**
  - Overland Flow Channels in upper 12 inches
  - Water-Stained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**HYDROLOGY REMARKS:**

- **Beaver dam between flags 3 and 7**
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. SORGHUM</td>
<td>SS T V</td>
<td>FACW</td>
<td>3.0</td>
</tr>
<tr>
<td>2. WETLAND GRASS</td>
<td>SS T V</td>
<td>FACW/DBL</td>
<td>6.0</td>
</tr>
<tr>
<td>3. RUSSET SEDGE</td>
<td>SS T V</td>
<td>DBL</td>
<td>3.0</td>
</tr>
<tr>
<td>4. HAMMAD SEDGE</td>
<td>SS T V</td>
<td>DBL</td>
<td>2.0</td>
</tr>
<tr>
<td>5. SYPHAGNUS</td>
<td>SS T V</td>
<td>FACW/DBL</td>
<td>8.0</td>
</tr>
<tr>
<td>6.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. SKIDEBUSH</td>
<td>SS T V</td>
<td>FACW</td>
<td>10.0</td>
</tr>
<tr>
<td>10.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

50/20 Rule Applied?: No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number: s:\edr office files\formal\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**PROJECT NO. 97925 Applicat:** Roaring Brook Wind Power Project

<table>
<thead>
<tr>
<th>Investigator</th>
<th>SAVE OR BIGGER TOERES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County</td>
<td>Lewis</td>
</tr>
<tr>
<td>State</td>
<td>NY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Soil Series and Phase</th>
<th>Drainage Class</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>O-9&quot;</td>
<td>WD MP WD SPD PD VPD</td>
</tr>
<tr>
<td>Mott color</td>
<td>Organic Matter - dry crumbling</td>
<td></td>
</tr>
<tr>
<td>Silty loam</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydric Soil Indicators</th>
<th>Landscape position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Eriodn</td>
<td>concave</td>
</tr>
<tr>
<td>Subaqueous</td>
<td>flat</td>
</tr>
<tr>
<td>Receding Conditions</td>
<td>unkn.</td>
</tr>
</tbody>
</table>

**REMARKS:**

- **HYDROLOGY**
  - **Recorded Data (Describe in Remarks):**
    - No Recorded Data Available
    - Strain, Lake, or Tidal Gauge
    - Aerial Photographs
  - Field Observations
    - Ground Surface Inundated
    - Soil Saturated
    - Depth to Free Water
    - Depth to Saturation Soil
  - Wetland Hydrology Indicators:
    - Inundated
    - Saturated in upper 12 inches
    - Water Stains
    - Dead Leaves
    - Sediment Deposits
    - Draining Patterns in Wetland

- **Remarks:**
  - **no wetland indi**

- **office files/formal/Data Form Routine Wetland Determination.xls**
## VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratums (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haywack Cher</td>
<td>H S S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>Blue Spruce</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>Yellow Birch</td>
<td>H S S T V</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>Black Maple</td>
<td>H S S T V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>Cottonwood</td>
<td>H S S T V</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>Balsam Fir</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>White Pine</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW: 60%

50/20 Rule Applied? Yes or No: No

Remarks:

## WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present? Yes or No</th>
<th>Hydric Soils Present? Yes or No</th>
<th>Wetland Hydrology Present? Yes or No</th>
<th>Is this Sampling Point Within a Wetland? Yes or No</th>
</tr>
</thead>
</table>

Remarks:

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
### DATA FORM

**Routine Wetland Determination**

#### MARTIS

**Project No.** MARTIS  
**Applicant:** Roaring Brook Wind Power Project  
**Investigator:**  
**Community:**  
**Towm:**  
**County:** Lewis  
**State:** NY  
**Date:** 9/26/07

**Soil**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Mattie color/abundance</th>
<th>Drainage Class</th>
<th>Confirm Mapped Type</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0-6&quot;</td>
<td>A</td>
<td>10% 4%</td>
<td>NONE</td>
<td>Muddy loam</td>
<td>Yes</td>
<td>Clay-loam</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6-9&quot;</td>
<td>B</td>
<td>10% 42%</td>
<td>ORGANIC SUBSOILS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9-12&quot;</td>
<td>C</td>
<td>20% 42%</td>
<td>ORGANIC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Concretions**
- **High Org. Content in Surface Layer of Sandy Soils**
- **Organic Streaking in Sandy Soils**
- **Clay-Low Chesnut color**

**Landscape position:**

- **conserve**
- **drain**

**Remarks:**

#### HYDROLOGY

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
  - Streams, Lake or Tidal Gauges
  - Aerial Photographs

- **Field Observations:**
  - Depth to Free Water: 125.5\(\text{ft}\)
  - Depth to Saturated/Salts: 125.5\(\text{ft}\)
  - Ground Surface Incised: No
  - Soil Saturated: No

- **Wetland Hydrology Indicators:**

  **Primary Indicators:**
  - Inundated
  - Saturated in upper 12 inches
  - Vegetation
  - Dryline
  - Sediment Deposits

  **Secondary Indicators:**
  - Dislodged Root Channels in upper 12 inches
  - Water-Stained Leaves
  - Local Soil Survey
  - Morphological Plant Adaptations

**Remarks:**

p/edr office files/formats/Data Form Routine Wetland Determination.xls
### VEGETATION

**Dominant Plant Species:**

<table>
<thead>
<tr>
<th>#</th>
<th>Species</th>
<th>Status</th>
<th>Indicated</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5 madrenera</td>
<td>H S/S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>American elm</td>
<td>H S/S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td>Red osierd</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>Spotted fern</td>
<td>H S/S T V</td>
<td>FACW</td>
<td>60</td>
</tr>
<tr>
<td>5</td>
<td>Grapemina</td>
<td>H S/S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td>Wetland grass</td>
<td>H S/S T V</td>
<td>FAC/DBL</td>
<td>20</td>
</tr>
<tr>
<td>7</td>
<td>Wetland grass</td>
<td>H S/S T V</td>
<td>FAC/DBL</td>
<td>20</td>
</tr>
<tr>
<td>8</td>
<td>Common fern</td>
<td>H S/S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>9</td>
<td>Red osierd</td>
<td>H S/S T V</td>
<td>OBL</td>
<td>30</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC:** 50%

**Percent of Dominant Species OBL, FACW:** 80%

**50/20 Rule Applied?** Yes

**Remarks:**

### WETLAND DETERMINATION

**Hydrophytic Vegetation Present?** Yes

**Hydric Soil?** Yes

**Wetland Hydrology?** Yes

**Is this Sampling Point Within a Wetland?** Yes

**Photo Reference Number:** 1234567890

---

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.js
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**T1010:1 Wetland Determination Matrix**

---

**Project No:** 07025  
**Applicant:** Roaring Brook Wind Power Project  
**Date:** 04/01/02

---

**Investigator:**  
**Town:** Martinsburg  
**County:** Lewis  
**State:** NY  
**Community:**  
**Transmit/Tag ID:** Y2Y2UP

---

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
<th>CDSC Name</th>
<th>CDSC Mapped Type</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>WD MWD SPD PD VPD</td>
<td></td>
<td>Yes No</td>
</tr>
<tr>
<td>Depth</td>
<td>Matrix color</td>
<td>Matrix color</td>
<td>Matrix color</td>
</tr>
<tr>
<td>0-2&quot;</td>
<td>A</td>
<td>061</td>
<td>061</td>
</tr>
<tr>
<td>3-8&quot;</td>
<td>B</td>
<td>104</td>
<td>104</td>
</tr>
<tr>
<td>B+</td>
<td>Nockey Larger Aggregates occur</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Hydrologic Soil Indicators:**

- Concretions
- High Org. Content in Surficial Layer of Sandy Soils
- Organic Strengthening in Sandy Soils
- Oiled or Low Chroma color
- Aquatic Moisture Region

---

**Landscape Position:**

- concave
- convex
- steep
- Approximate slope:

---

**HYDROLOGY**

- Recorded Data (Describe in Remarks)
- No Recorded Data Available
- Steam, Lake or Tide Gauge
- Aerial Photography

---

**Field Observations**

- Ground Surface
- Soil Saturation
- Depth to Free Water
- Depth to Saturated Soils

---

**Wetland Hydrology Indicators:**

**Primary Indicators:**

- Inundated
- Saturation in upper 12 inches
- Water Marks
- Ditch Lines
- Sediment Deposits
- Drainage Patterns in Wetland

**Secondary Indicators (2 or more required):**

- Oiled Root Channels in upper 12 inches
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaption
- Other (Explain in Remarks)

---

**Remarks:**

No wetland hydrology
<table>
<thead>
<tr>
<th>Dominant Plant Species:</th>
<th>Stratum:</th>
<th>Indicator:</th>
<th>% Cover:</th>
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</thead>
<tbody>
<tr>
<td>1. Carex viridula</td>
<td>H SS T</td>
<td>FACU-</td>
<td>60</td>
</tr>
<tr>
<td>2. Bleda</td>
<td>H SS T</td>
<td>FACU-</td>
<td>40</td>
</tr>
<tr>
<td>3.</td>
<td>H SS T</td>
<td>UPL</td>
<td>60</td>
</tr>
<tr>
<td>4. Carex sedgeon</td>
<td>H SS T</td>
<td>UPL</td>
<td>10</td>
</tr>
<tr>
<td>5. Vaccinium oxycoccon</td>
<td>H SS T</td>
<td>FACU-</td>
<td>5</td>
</tr>
<tr>
<td>6. Sphagnum magellanicum</td>
<td>H SS T</td>
<td>FACU-</td>
<td>5</td>
</tr>
<tr>
<td>7. Picea abies</td>
<td>H SS T</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>8. Populus tremuloides</td>
<td>H SS T</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>9. Abies balsamea</td>
<td>H SS T</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>10. Quercus rubra</td>
<td>H SS T</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>11. Acer saccharinum</td>
<td>H SS T</td>
<td>FACU-</td>
<td>60</td>
</tr>
<tr>
<td>12. Betula</td>
<td>H SS T</td>
<td>FACU-</td>
<td>60</td>
</tr>
<tr>
<td>13. Populus balsamea</td>
<td>H SS T</td>
<td>FACU-</td>
<td>10</td>
</tr>
<tr>
<td>14. Picea abies</td>
<td>H SS T</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>15. Abies balsamea</td>
<td>H SS T</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>16. Quercus rubra</td>
<td>H SS T</td>
<td>FACU</td>
<td>10</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species Obs., FACU, FACU-**

Percent of Dominant Species Obs., FACU, FACU-

50/20 Rule Applied? Yes or No

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Is this Sampling Point within a Wetland? Yes or No

Remarks:

Photo Reference Number:
DATA FORM
ROUTINE WETLAND DETERMINATION
1993 CDP Natural Resources Division

Project No: 0925  Applicant: Roaring Brook Wind Power Project  Date: 9/21/07

Investigator: Beefly/Enzwe/Steffen  Town: Martinsburg

Do normal circumstances exist on site?  Yes  Community: [Signature]

Is the site significantly disturbed?  Yes  County: Lewis

Is the area a potential Problem Area?  Yes  State: NY

Transmit Flag ID: 77  Plot ID: 271 Channel

SOILS

Series and Phase:  Drainage Class: WD MWD SPD PD VPD

Subgroup:  Confirm/Mapped Type: Yes No

Depth  Horizon  Matrix color  Matrix color abundance  Texture, Structure, Other

Hydric Soil Indicators:

Horizons  _Concretions  _Laeu on Local Hydric Soil List

_Horizon Expansions  _High Org. Content in Sphagnum Layer of Sandy Soils

_Salt Tolerant  _Organic Staining in Sandy Soils

_Reducing Conditions  _Gray or Low Chrome color

Landscape position: concave  convex  shallow  Approximately slope

Remarks:

HYDROLOGY

Recorded Data (i.e., data in Remarks)

No Recorded Data Available

- Stream, Lake, or Tidal Gauge
- Aerial Photographs

Final Observations

Ground Surface Insulated

Soil Saturation

Depth to Free Water

Depth to Saturation Soils

Wetland Hydrology Indicators:

Primary Indicators

- Insulated
- Saturated in upper 12 inches
- Water Table
- Drift Lines
- Sediment Deposits
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required)

- Oxidized Root Channels in upper 12 inches
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks: [Handwritten notes: Channel width 10-20 feet, land drains, flowing through current, substrate varies, mostly mud, possibly inorganic substrate, at these banks.]

All data and information was entered into HydroForm Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum: (rich, mid, poor)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>S/S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
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</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW

Percent of Dominant Species OB, FACW

50/20 Rule Applied?  Yes  No

Remarks:

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes  No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes  No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes  No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes  No</td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1987 CER Wetland Determination

Project No: 07325
Appraiser: Roaring Brook Wind Power Project

Investigator:  

Date: 9/28/02

Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site?  

Community

Is the site significantly disturbed?  

Yes

Is the area a potential Problem Area?  

Yes

Series and Phase:  

Soil Color/Abundance:  

Texture, Structure, Other:

Hydric Soil Indicators:  

Listed as Local Hydric Soil List
Listed as Potential for Hydric Inclusion

Landscape Position:  

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)
Flag Observations
Ground Surface Insulated
Soil Saturated
Aerial Photograph

Depth to Water

Depth to Saturated Soil

Wetland Hydrology Indicators:

Primary Indicators

Secondary Indicators (2 or more required)

Notes:

Remarks:

wdr office files/forms/Data Form Routine Wetland Determination.xls
<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (x,y,z)</th>
<th>Indicator</th>
<th>% Cover</th>
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</thead>
<tbody>
<tr>
<td>Black cherry</td>
<td>H SS 6 V</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>Yellow Birch</td>
<td>H SS 6 V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Red maple</td>
<td>H SS 6 V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Red maple</td>
<td>H SS 6 V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>Basswood</td>
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<tr>
<td>Red maple</td>
<td>H SS 6 V</td>
<td>FAC</td>
<td>10</td>
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<tr>
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<td>H SS 6 V</td>
<td>FAC</td>
<td>0</td>
</tr>
<tr>
<td>Intermediate Width</td>
<td>H SS 6 V</td>
<td>FACW</td>
<td>25</td>
</tr>
<tr>
<td>Gold thread</td>
<td>H SS 6 V</td>
<td>FACW</td>
<td>5</td>
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<td>Wetland Determination</td>
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<td>Hydrophytic Vegetation Present?</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td></td>
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<tr>
<td>Wetland Hydrology Present?</td>
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<td>Yes or No</td>
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<td>Hydric Soils Present?</td>
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<td>Yes or No</td>
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<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
<td>Yes or No</td>
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<tr>
<td>Remarks:</td>
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Percent of Dominant Species OBL, FACW, FAC: 60%
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**DATE:** 9/24/02

**Project No:** 07025  **Applicant:** Roaring Brook Wind Power Project

**Investigator:** [Blank]  **Town:** Martinsburg

**County:** Lewis  **State:** NY

- **Do normal circumstances exist on site?** No
- **Is the site significantly disturbed?** Yes
- **Is the area a potential Problem Area?** Yes

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>Drainage Class:</th>
<th>Confirm Mapped Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WD</td>
<td>MWD</td>
</tr>
</tbody>
</table>

- **Hydrologic Soil Indicators:**
  - **Habitat:**
  - **Histic Epipedon:**
  - **Sulfatic Oxisol:**
  - **Reducing Conditions:**
  - **Landscape Position:**

- **Hydrology:**
  - **Field Observations:**
    - Co- and Surface Inundation:
    - Soil Saturated:
    - Depth to Water:
    - Depth to Saturated Soils:

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators:</th>
<th>Secondary Indicators (2 or more required):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Oxidized Root Channels in upper 12 inches</td>
</tr>
<tr>
<td>Saturated in upper 12 inches</td>
<td>Water-Stained leaves</td>
</tr>
<tr>
<td>Water Stacks</td>
<td>Local Soil Survey</td>
</tr>
<tr>
<td>Drift Lines</td>
<td>Morphological Plant Adaptations</td>
</tr>
<tr>
<td>Sediment Deposits</td>
<td>Other (Explain in Remarks)</td>
</tr>
<tr>
<td>Drainage Patterns in Wetland</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:** High organic content

*File name: office files/formatted Data Form Routine Wetland Determination.xls*
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Structure (size code)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spotted Chokeberry</td>
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<td>FACW+</td>
<td>75%</td>
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<td>Honeysuckle</td>
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<td>FAC</td>
<td>20%</td>
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<tr>
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<td>Dogwood</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>10%</td>
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<td>Yellow Birch</td>
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<td>Wild Blue</td>
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<td>FAC</td>
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</tr>
<tr>
<td>Maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20%</td>
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<tr>
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<tr>
<td>Red Maple</td>
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<td>FACW+</td>
<td>5%</td>
</tr>
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<td>Red Oak</td>
<td>H SS T V</td>
<td>FACW+</td>
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</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>S or No</th>
<th>Hydric Soils Present?</th>
<th>Y or No</th>
<th>Wetland Hydrology Present?</th>
<th>Y or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Y or No</th>
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<tbody>
<tr>
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</table>

Remarks:

Photo Reference Number:
**DATA FORM**

**ROUNTE WETLAND DETERMINATION**

274 North Goodman Street
Rochester, New York 14607

---

**Project No:** 87625  
**Applicant:** Receiving Bank Wind Power Project  
**Date:** 9/1/02

**Investigator:**  
**Community:**  
**Towns:**  
**County:**  
**Level:**  
**State:** NY

---

**Do normal circumstances exist on site?**  
**Yes**  
**Is the site aquatic or wetlands disturbed?**  
**Yes**  
**Is the site a potential Problem Area?**  
**Yes**  
**Transmit/Flag ID:** 72  
**Plot ID:** 72 30 wet

---

**SOILS**

**Series and Phase:**  
**Drainage Class:** WD NW DP DP VPD

**Subgroup:**  
**Confirm Mapped Type:** Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Metric color</th>
<th>Metric color/texture</th>
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<tr>
<td>0-10&quot;</td>
<td>A</td>
<td>106 3/1</td>
<td></td>
</tr>
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</table>

**Hydric Soil Indicators:**  
**Listed on Local Hydric Soil List**  
**Listed as Potential for Hydrics Indicators Only**  
**Other (Explain in Remarks)**  
**Aquatic Moisture Regime**

<table>
<thead>
<tr>
<th>Landscape position</th>
<th>Hilly</th>
<th>Flat</th>
</tr>
</thead>
</table>

**Remarks:**

---

**HYDROLOGY**

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

**Field Observations:**  
**Ground Surface Translated** inches.

**Depth to Free Water** inches.  
**Depth to Saturated Soil** inches.

**Wetland Hydrology Indicators:**  
**Primary Indicators:**  
**Inundated**  
**Saturated in upper 12 inches.**  
**Water Marks**  
**Drift Lines**  
**Sediment Deposits**  
**Drainage Patterns in Wetland**

**Secondary Indicators (7 or more required):**  
**Cracked Root Channels in upper 12 inches**  
**Water-Stained Leaves**  
**Local Soil Survey**  
**Morphological Plant Adjacent**  
**Other (Explain in Remarks)**

**Remarks:**

---

The file is a form for determining the wetland status of a site, including soil and hydrological indicators. The form is filled out with various observations and data points, indicating the site's condition and potential wetland characteristics.
### VEGETATION

<table>
<thead>
<tr>
<th>Plt</th>
<th>Species</th>
<th>Status</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red Currant</td>
<td>H</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>2</td>
<td>Wild White Curr</td>
<td>H</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>3</td>
<td>Black Soldier</td>
<td>H</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>H</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Aspen</td>
<td>H</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>6</td>
<td>Aspen</td>
<td>H</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>7</td>
<td>Aspen</td>
<td>H</td>
<td>FACW</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Polygonica</td>
<td>H</td>
<td>OBL</td>
<td>70</td>
</tr>
<tr>
<td>10</td>
<td>Spruce</td>
<td>H</td>
<td>FACW/00</td>
<td>50</td>
</tr>
<tr>
<td>11</td>
<td>Aspen</td>
<td>H</td>
<td>OBL</td>
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</tr>
<tr>
<td>12</td>
<td>Aspen</td>
<td>H</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>13</td>
<td>Goldthread</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>H</td>
<td></td>
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</tr>
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<td>15</td>
<td></td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species: OBL, FACW, FAC: 50%

50/20 Rule Applied? ☒ Yes

Remarks:

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophyte Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soil Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Remarks: Photo Reference Number:

---

s:\edr office\fileforms\Data Form Routine Wetland Delineation.xls
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**
**1991 CDF Wetland Determination Manual**

<table>
<thead>
<tr>
<th>Project No.</th>
<th>07285</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Rearing Brook Wind Power Project</td>
</tr>
<tr>
<td>Investigator</td>
<td>Ziegler, St. John, Pragell</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Do normal circumstances exist on site?</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is the site significantly disturbed?</td>
<td>Yes</td>
</tr>
<tr>
<td>Is the area a potential Problem Area?</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Community</th>
<th>Marmetburg</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>Lewis</td>
</tr>
<tr>
<td>State</td>
<td>NY</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>SECTIONS and PLAINS</th>
<th>Drainage Class:</th>
<th>Conform Mapped Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matrix color</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>6-9 A</th>
<th>6-9 A</th>
<th>6-9 A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soils</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subgroup</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>6.9</td>
<td>6.9</td>
<td>6.9</td>
</tr>
<tr>
<td>Horizon</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Matrix color</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mottled color/abundance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tension, Structure, Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydro Soil Indicators:</th>
<th>Conformations</th>
<th>Land on Local Hydro Soil List</th>
<th>Listed as F Potential for Hydro Indicators Only</th>
<th>Other (Explain in Remarks)</th>
<th>Aquic Moisture Regime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Historic Epoch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sediment Ooze</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reducing Conditions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic Matter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Landscape position</th>
<th>concave</th>
<th>convex</th>
<th>slope</th>
<th>approximate slope:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Remarks:

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
<td></td>
</tr>
<tr>
<td>Stream, Lake or Tidal Gauge</td>
<td></td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators:</th>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Indicators</td>
<td>Ground Surface Inundated, inches.</td>
</tr>
<tr>
<td>Secondary Indicators (1 or more required)</td>
<td>Soil Saturated.</td>
</tr>
<tr>
<td>Inundated</td>
<td>Depth to Free Water, inches.</td>
</tr>
<tr>
<td>Depth to Saturation Soils, inches.</td>
<td>Water-Stained leaves</td>
</tr>
<tr>
<td>Drainage Pattern in Wetland</td>
<td>Local Soil Survey</td>
</tr>
</tbody>
</table>

| Remarks | no wetland | hydrology |

s:\ldr office fileform\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status: (some are unidentified)</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Yellow birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>2. Red maple</td>
<td>H S S H V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>3.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Black birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>6. Yellow birch</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>7. Basswood</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>8.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Good sweet</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>10. H. woodson</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>11. Canada wildflower</td>
<td>H S S T V</td>
<td>FAC-</td>
<td>10</td>
</tr>
<tr>
<td>12. Sarcoparia</td>
<td>H S S T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>13. Bluebell</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>14.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **83%**

50/50 Rule Applied? **Yes**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks: 

Photo Reference Number: 

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Name: Hoisington Break Wind Project

Date: 9/21/22

Coastal Risk: Yes

Community: Martinsburg

State: West Virginia

Do normal circumstances exist on site? Yes

 Know

Is the site significantly disturbed? Yes

No

Is the area a potential Problem Area? Yes

No

Series and Phase: 

Subgroup: 

Depth: 

Matrix color: 

Motile color/abundance: 

Texture, Structure, Other: 

Hydrologic Soil Inclusions: 

landscape position:

recreational

concess
damping

Approximate slope:

Remarks:

Hydrology

Field Observations:

Ground Surface Unsalted

No

Soil Salted

Depth to Fresh Water:

inches

Depth to Salted Water: 

inches

Wetland Hydrology Indicators:

Primary Indicator:

Secondary Indicator (Y or more are expected):

Oxidized Pond Channels in upper 12 inches

Water-Intake leaves

Local 3rd Survey

Macrobiological Plant Adaptations

- Other (Explain in Remarks)

Remarks:

E:\adr office files\forms\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Willow Herb</td>
<td>H</td>
<td>FACW+</td>
<td>3.0</td>
</tr>
<tr>
<td>2. Sedge</td>
<td>S</td>
<td>FACW</td>
<td>3.0</td>
</tr>
<tr>
<td>3. Purple loosestrife</td>
<td>S</td>
<td>FACW</td>
<td>10.0</td>
</tr>
<tr>
<td>4. Grass</td>
<td>T</td>
<td>FACW</td>
<td>60.0</td>
</tr>
</tbody>
</table>

#### Percent of Dominant Species OBL, FACW, FAC: 100%

#### Remarks:

---

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soils Present?** Yes or No
- **Wetland Hydorlogy Present?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No

#### Remarks:

---

s/ldr office files/forms/Data Form Routine Wetland Delineation.xls
Project No: 0725  Applicant: Running Brook Wind Power Project  Date: 9/31/07

Investigator:  

County: Martinsburg  State: NY

Do normal circumstances exist on site?  Yes  No

Is the site significantly damaged?  Yes  No

Is the area a potential Problem Area?  Yes  No

SOILS

Series and Phase:  

Depth  

0-6"  A  

6-8"  B  

8'  

Hydric Soil Indicators:

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mottled color</td>
<td>D</td>
<td>Mottled</td>
</tr>
<tr>
<td>Organic Streaking in Sandy Soils</td>
<td>I</td>
<td>Organic Streaking</td>
</tr>
<tr>
<td>Clayey or Low Chromic color</td>
<td>L</td>
<td>Clayey</td>
</tr>
</tbody>
</table>

Drainage: WD  MWD  SPD  PD  VPD

Conform Mapped Type: Yes  No

Texture, Structure, Other: Stumpy

HYDROLOGY

Recorded Data (Describe in Remarks)

Field Observations

Ground Surface Insulated inches.

Soil Saturated inches.

Depth to Free Water inches.

Depth to Saturated Soils inches.

Secondary Indicators (2 or more are stated)

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxidized Bar Channels in upper 12 inches</td>
<td></td>
</tr>
<tr>
<td>Water-Stained leaves</td>
<td></td>
</tr>
<tr>
<td>Local Soil Survey</td>
<td></td>
</tr>
<tr>
<td>Morphological Plant Adaptations</td>
<td></td>
</tr>
<tr>
<td>Other (Explain in Remarks)</td>
<td></td>
</tr>
</tbody>
</table>

Wetland Hydrology Indicators:

Primary Indicators

<table>
<thead>
<tr>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsaturated</td>
<td></td>
</tr>
<tr>
<td>Saturated in upper 12 inches</td>
<td></td>
</tr>
<tr>
<td>Water Marks</td>
<td></td>
</tr>
<tr>
<td>Ditch Lines</td>
<td></td>
</tr>
<tr>
<td>Sediment Deposits</td>
<td></td>
</tr>
</tbody>
</table>

Drainage Patterns in Wetland: None

Remarks:

no wetland hydrology

File: ledr office/files/forms/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (L &amp; S Status)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wild rye</td>
<td>H SS T V</td>
<td>FAC</td>
<td>0</td>
</tr>
<tr>
<td>Yellow loop</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>Yellow loose</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>Balsam fir</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Horse chestnut</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interstate wood fern</td>
<td>H SS T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>Eastern hemlock</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
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<tr>
<td>Gold star</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>Snowy egret</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **96%**

50/20 Rule Applied? **Yes**

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soil Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Is this Sampling Point Within a Wetland? **Yes**

Remarks:

Photo Reference Number:

s:edr office files/forms/Data Form Routine Wetland Delineation.xls
Project No: 07925  Applicant: Roaring Brook Wind Power Project

Inventor: 

Do normal circumstances exist on site?  Yes  No
Is the site significantly disturbed?  Yes  No
Is the area a potential Problem Area?  No

Commtunity: Martinsburg
County: Lewis
State: WV

Drainage Class: WD MWD SD PD VP

Series and Phase: 
Subgroup: 
Depth:
Matrix color: Organic Matter-stagnant
Silty

Hydrick Soil Indicators:

Landscape position: 
Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)
Field Observations

Stream, Lake or Tide Gauge

Satuated in upper 12 inches.
Water Stains

Secondary Indicators (2 or more required)

Dissolved Root Channels in upper 12 inches

Sediment Deposits

Drainage Patterns in Wetland

Remarks:

s:edr office files/2017Data Form Routine Wetland Determination.xl
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (inch and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H S S T V</td>
<td>OBL</td>
<td>95%</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACW</td>
<td>10%</td>
</tr>
<tr>
<td>H S S T V</td>
<td>OBL</td>
<td>10%</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACW/ABL</td>
<td>25%</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACW+</td>
<td>10%</td>
</tr>
<tr>
<td>H S S T V</td>
<td>FACW+</td>
<td>5%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species: OBL, FACW, FACW = 100%

50/20 Rule Applied? Yes

Remarks:

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydric Soils Present? Yes or No
Wetland Hydrology Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No

Remarks: Photo Reference Number:

'\$\backslash{\text{edr-master}}\backslash{\text{forms}}\backslash{\text{Data Form Routine Wetland Delineation.xls}}'
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 COE Wetlands Determination Manual

Page No. 07025  Applicant: Roaring Brook Wind Power Project  Date: 9/1/02

Investigator:  J. Beeman/B. Brogel/ J. Sours

Trenton/Flag ID:  82
Plot ID:  82-71 VY

Do normal circumstances exist on site?  NO  Community:  Ithaca

Is the site significantly disturbed?  YES

Is the area a potential Problem Area?  YES

NY

SOILS
Series and Phase:  D5
Subgroup:  2
Depth

Hydric Soil Indicators:

Field Observations:  Ground Surface Insulated

No Recorded Data Available

Stream, Lake or Tide Gauge

Aerial Photograph

Wetland Hydrology Indicators:

Primary Indicators:

Secondary Indicators (2 or more required):

8

Wetland Hydrology Indicators:

Primary Indicators:

Secondary Indicators (2 or more required):


Remarks:

164r office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum:</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>1</td>
<td>H</td>
<td></td>
</tr>
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<td>4</td>
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<tr>
<td>5</td>
<td>H</td>
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<tr>
<td>11</td>
<td>H</td>
<td>FACW-10</td>
</tr>
<tr>
<td>12</td>
<td>H</td>
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<td>15</td>
<td>H</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>H</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 67%
Percent of Dominant Species OBL, FACW: 0%

50/20 Rule Applied? Yes No

Remarks: Sparse turf layer

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks: Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
PREPARED WETLANDS (Ontario County)

Project No: 07035
Applicant: Rehearsal Road Wind Power Project
Investigator: Shelbys/Pope/Thomson

Date: 9/25/07
Town: Martinsburg
County: Lewis
State: NY

COMMUNITY

Is there a significant disturbance? Yes
Is the area a potential Problem Area? Yes
Community: Emergent

SOILS
Series and Plate: 
Subprofile: 
Depth: 3-16" 4-12" 25-43" 4-12"

Hydric Soil Information:
- Hydric Soil
  - High Organic Content in Surface Layer of Sandy Soil
  - Organic Environments
  - Sign of Organic Environments
  - Other

Landscape Position:
- Convex
- Flat
- Concave

HYDROLOGY

Field Observations:
- No Recorded Data Available
- Surface Water
  - Unrecorded Surface Water
  - No Soil Surveyed
  - NA inches

Wetland Hydrology Indicators:
- Flow Directions
  - No Flow Direction
  - Variable Flow Direction
  - Wetland Pattern in Wetland

Remarks:
- Low Organic Content
- Wetland Study (cover 4-12"
- Declared Riverine in upper 12"
- Declared Riparian Zones
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stem Analysis (cm x mm)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carex curta</td>
<td>S S T V</td>
<td>OBL</td>
<td>90</td>
</tr>
<tr>
<td>Larrea</td>
<td>S S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>Lycopus uniflorus</td>
<td>S S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

- Hydrophytic Vegetation Present: Yes or No
- Hydric Soils Present: Yes or No
- Wetland Hydrology Present: Yes or No
- Is this Sampling Point Within a Wetland: Yes or No
- Hydrologic Connectivity to ODSL Site: Yes or No
- Is this Wetland Potentially Aquatic: Yes or No

**Remarks:**

---

s:\ledr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 CFE Wetlands Determination Form

Project No: 01023
Applicant: Riwaya Break Wind Power Project
Date: 9/23/07

Investigator: Sibbons, S. 
Community: Reeves

Do normal circumstances exist on site? Yes
Is the site significantly altered? Yes
Is the area a potential Problem Area? Yes
Tax ID: AAA
For ID: AAA 3 0 0

SOILS
Series and Phase:
Subgroup:
Depth
arent

Hydro-Silt Indicators:

Conclusions:
High Org Content in Surface Layer of Sandy Soils
Organic Inerting in Sandy Soils
Silt/loam 
Reducing Conditions:
Mental or Low Oxygen soil
Organic Silt

Terrain/Surface, Other:
Texture:
Soil:

Soil Map Type:
Yes No

Drainage Class:
WD MD EPD PVDP

Hydro-Silt Indicators:


Depth
inches

Hydro-Silt Indicators:

Organic Silt

Sedimentary Deposition

Labeled as Local Hydro-Silt List
Labeled as Potential for Hydro-Silt Indicators Only
Other (Explain in Remarks)

Aquatic Material Region

Labeled as Local Hydro-Silt List
Labeled as Potential for Hydro-Silt Indicators Only
Other (Explain in Remarks)

Aquatic Material Region

Approximate slope:

Hydrology:

Recorded Data (Describe in Remarks):
Station, Lake or Tide Gauge
Aerial PHOTO/M

Field Observations:

Gross Surface Inundated

Soil Surrounded

Depth to Flood Water:

Depths to Inundated Soils

Wetland Hydrology Indicators:

Primary Indicator:

Inundated

Bay in upper 12 inches

Water Mains

Ditch Lines

Secondary Indicators (if any required):

Caution:

Cross-Section in upper 12 inches

wet-dry inter-reaches

Local Soil Survey

Sedimentary Deposition

Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks:

Wetland hydrology

[Signature]
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratums (H/S/T/V)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>2. Black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>3. Beech</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>4. Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>5. Yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>6. Black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>7. Blueberry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>8. Black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>9. Lance leaf fern</td>
<td>H SS T V</td>
<td>UPL</td>
<td>80</td>
</tr>
<tr>
<td>10. Wood fern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>11. Birch tree</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>12. Canada mayflower</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>13.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes or No: Yes

Hydraulic Soils Present? Yes or No: Yes

Hydrologic Connectivity to Off-site Wetlands? Yes or No: Yes

Is this Sampling Point Within a Wetland? Yes or No: Yes

Remarks: Photo Reference Number: s:\ehr\office files\formal\Data Form Routine Wetland Delineation.xls
**DATA FORM**  
**ROUTINE WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>County:</th>
<th>Lewis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town:</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>Date:</td>
<td>9/25/07</td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
</tr>
</tbody>
</table>

**SOILS**

<table>
<thead>
<tr>
<th>Depth Range</th>
<th>Matrix Color</th>
<th>Matrix Color Abundance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 0.25&quot;</td>
<td>Organic</td>
<td>10%</td>
</tr>
<tr>
<td>0.25 to 3&quot;</td>
<td>Organic</td>
<td>None</td>
</tr>
<tr>
<td>3 to 6&quot;</td>
<td>Silty loam</td>
<td></td>
</tr>
</tbody>
</table>

**HYDROLOGY**

- **Recorded Data**
  - Stream, Lake Or Tidal Gauge
  - Aerial Photographs

**Field Observations**

- **Depth**
  - Water Surface: \( N/A \) inches
  - Soil Saturated: Yes
  - Depth to Free Water: \( N/A \) inches
  - Soil Depth: \( 3.0 \) inches

**Wetland Hydrology Indicators**

- **Primary Indicators**
  - Swallowed
  - Water Marks
  - Drift Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

- **Secondary Indicators**

**Remarks**

- High Organic Content

---

*[Office file: Data Fiscal Routine Wetland Determination.xls]*
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Black Sporale</td>
<td>H SS O V</td>
<td>FAC-</td>
<td>5</td>
</tr>
<tr>
<td>2. Yellow Dwarves</td>
<td>H SS O V</td>
<td>FAC-</td>
<td>20</td>
</tr>
<tr>
<td>3. Old Maple</td>
<td>H SS O V</td>
<td>FAC-</td>
<td>40</td>
</tr>
<tr>
<td>4.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Common Purslane</td>
<td>H SS T V</td>
<td>DEL-</td>
<td>20</td>
</tr>
<tr>
<td>6. Baldcypress</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>10</td>
</tr>
<tr>
<td>7. Black Sporale-</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>10</td>
</tr>
<tr>
<td>8.</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Sporale</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>20</td>
</tr>
<tr>
<td>11. Lycourus Uniforms</td>
<td>H SS T V</td>
<td>DEL-</td>
<td>10</td>
</tr>
<tr>
<td>12. Nuttall Berry</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>5</td>
</tr>
<tr>
<td>13. Blue-Leafed Lily</td>
<td>H SS T V</td>
<td>FAC-</td>
<td>5</td>
</tr>
<tr>
<td>14.</td>
<td>H SS T V</td>
<td></td>
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<td>15.</td>
<td>H SS T V</td>
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<tr>
<td>16.</td>
<td>H SS T V</td>
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</table>

Percent of Dominant Species ORL, FACW, FAC: 59.76%

50/20 Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

Hydric Connectivity to Off-site Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remarks: Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM

ROGUE WETLAND DETERMINATION
1985 COE Wetland Determination Manual

Project No: 07025
Investigator: Stebbins/Pepin/Tramer

Do normal circumstances exist on site? Yes
Is the site significantly altered? Yes
Is the area a potential Problem Area? Yes

Series and Phase: SISLS
Subgroup: 0-15
Depth: 0.8-0.4
Matrix color: Organic, Dust
Matrix color/abundance: None
Texture, Structure, Other: Fine Silt

Hydric Soil Indicators:
- High Organic Content in Surface Layer of Sandy Soils
- Organic Streaking in Sandy Soils
- Gray or Low Chroma color

Landscape position:
- Floodplain
- Undulating

HYDROLOGY

Recorded Data (Describe in Remarks)
- Sheet, Lake or Tide Gauge
- Aerial Photographs

Field Observations
- Ground Surface Inundated
- Soil Saturated

Depth to Free Water
- inches

Depth to Saturated Soils
- inches

Wetland Hydrology Indicators:

Primary Indicators:
- Inundated
- Saturation in upper 12 inches
- Water Marks
- Ditch Lines
- Sediment Debris

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Specify in Remarks)

Remarks:
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Location Code</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>yellow birch</td>
<td>H S/S B V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>wild maple</td>
<td>R S/S B V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>balsam</td>
<td>H S/S B V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hawthorn</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>horse chestnut</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>black cherry</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>beech</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>9</td>
<td>H S/S T V</td>
<td></td>
<td></td>
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<tr>
<td>Ravenna magna</td>
<td>B S/S T V</td>
<td>FAC</td>
<td>10</td>
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<tr>
<td>wood fern</td>
<td>B S/S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>11</td>
<td>B S/S T V</td>
<td>UPL</td>
<td>5</td>
</tr>
<tr>
<td>Indian weeping willow</td>
<td>B S/S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>12</td>
<td>H S/S T V</td>
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<td>13</td>
<td>H S/S T V</td>
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<td>14</td>
<td>H S/S T V</td>
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<td>15</td>
<td>H S/S T V</td>
<td></td>
<td></td>
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<tr>
<td>16</td>
<td>H S/S T V</td>
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<td></td>
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</table>

#### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>

### Remarks:

- 50/20 Rule Applied?: Yes/No
- Photo Reference Number: [s:edr office files/formats/Data Form Routine Wetland Delineation.xls]
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 C(D)E Wetland Determination Manual

Project No: 27935
Applicant: Rrying Brook Wind Power Project

Investigator: Pippin/Prentiss/Seibert

Date: 07/25/07
Town: Mertensburg

Community: Roswell County: Lewis
State: NY

Do normal circumstances exist on site? Yes

Is the site significantly disturbed? Yes

Is the area a potential Problem Area? Yes

Transmit Tag ID: 100 1-14

Plot ID: 100 3 14

SOILS
Series and Phase:

Subgroup:

Depth Horizon Matix color Matrix color/absence Texture, Structure, Other

B-10' 0 None

B-16' 1 None

B-16' 2 None

B-16' 3 None

Hydroec Soil Sub-Types:

Consequences
High Org. Content in Surface Layer of Sandy Soils
Organic Streaking in Sandy Soils
Gleyed or Low Chromosol

Listed on Local Hydro Soils List
Listed in Potential for Hydro Inclusion Only
Other (Explain in Remarks)
Aquatic Moisture Regime

Landscape position:

Remarks:

HYDROLOGY

Received Data (Describe in Remarks)

Stream, Lake or Tidal Gauge

Aerial Photographs

Field Observations

Ground Surface Insulated: N/A inches

Soil Saturated

Depth to Free Water: N/A inches

Depth to Saturated Soil: N/A inches

Wetland Hydrology Indicators:

Primary Indicators

Secondary Indicators (2 or more required)

Insulated

Suspected In upper 12 inches

Water Marks

Drift Lines

Dissolved Oxydizes in Wetland

Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks:

- Edit office files/form/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status (G, S, T, V)</th>
<th>Indicate</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <em>Abelauge</em></td>
<td>H SS G V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>2. <em>Yellow Iris</em></td>
<td>H SS G V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. <em>Red Oak</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>5. <em>White Oak</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>6. <em>Birch</em></td>
<td>H SS T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>7</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. <em>White Spruce</em></td>
<td>H SS T V</td>
<td>FACW</td>
<td>60</td>
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<tr>
<td>9. <em>Lycopodium</em></td>
<td>H SS T V</td>
<td>OBL</td>
<td>30</td>
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<tr>
<td>10. <em>Sphagnum</em></td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>11. <em>Sphagnum</em></td>
<td>H SS T V</td>
<td>FACW/CE</td>
<td>30</td>
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<td>12</td>
<td>H SS T V</td>
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<td>14</td>
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<td>15</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

Percent of Dominant Species OBL, FACW: 50%

50/50 Rule Applied?  
Yes or No

**WETLAND DETERMINATION**

- Hydrophytic Vegetation Present?  
  Yes or No
- Hydric Soils Present?  
  Yes or No
- Wetland Hydrology Present?  
  Yes or No
- Is this Sampling Point Within a Wetland?  
  Yes or No
- Hydrologic Connectivity to Off-site Wetlands?  
  Yes or No
- Is this Wetland Potentially Isolated?  
  Yes or No

Remarks:

Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
SOILS

Series and Phase: 
Subgroup: 
 Depth Horizon Matrix color Matrix color/observation Texture, Structure, Other
3' 4" muddy Silt

Hydric Soil Indicators:
- Organic
- High Org Content in Surface Layer of Sandy Soils
- Oxbow
- Reduced Conditions
- Gleyed or Low Chroma color

Map position: concave convex for undulating

HYDROLOGY

Recorded Data
- No Recorded Data Available
- Stream, Lake or Tidal Gauge
- Aerial Photograph

Field Observations
- Ground Surface inundated inches
- Soil Saturated
- Depth to Free Water inches
- Depth to Saturated Soils inches

Wetland Hydrology Indicators:
- Inundated
- Submerged to upper 12 inches
- Water Marks
- Ditch Lines
- Sediment Deposition
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water-Stained banks
- Local Soil Surf
- Meso/Epiphyton Plant Adaptations
- Other (Explain in Remarks)

Remarks:

Identify office files/forms/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>#</th>
<th>Plant Species</th>
<th>Size</th>
<th>Indication</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><em>Fagus grandifolia</em></td>
<td>H</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>H</td>
<td>S</td>
<td>FAC</td>
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<td></td>
<td>H</td>
<td>T</td>
<td>FAC</td>
</tr>
<tr>
<td>4</td>
<td><em>Sambucus canadensis</em></td>
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<td>FAC</td>
<td>30</td>
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<tr>
<td>5</td>
<td><em>Hydrangea arborescens</em></td>
<td>H</td>
<td>S</td>
<td>FAC</td>
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<tr>
<td>6</td>
<td></td>
<td>H</td>
<td>S</td>
<td>FAC</td>
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<td></td>
<td>H</td>
<td>S</td>
<td>FAC</td>
</tr>
<tr>
<td>9</td>
<td><em>Sorbus americana</em></td>
<td>H</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>H</td>
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<td>FAC</td>
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<tr>
<td>11</td>
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<td>FAC</td>
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<td>FAC</td>
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</tr>
<tr>
<td>16</td>
<td></td>
<td>H</td>
<td>S</td>
<td>FAC</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FAC = 60%

Percent of Dominant Species OBL, FAC = 60%

50/50 Rule Applied? No

Remarks: Sparse

---

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Yes or No</th>
<th>Yes or No</th>
<th>Yes or No</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hydrophytic Vegetation Present?</strong></td>
<td><strong>Hydric Soils Present?</strong></td>
<td><strong>Is this Sampling Point Within a Wetland?</strong></td>
<td><strong>Is this Wetland Potentially Isolated?</strong></td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Photo Evidence Number:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

s:\adr\office files\formal\Data Form Routine Wetland Determination.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
(2017 CW Wetland Determination Manual)

Project No: 00005
Applicant: Croton Break Wind Power Project
Investigator: [Signatures]

Date: 9/5/02
Town: Martineburg
County: Lewis
State: NY
Community: [Signature]

Do normal circumstances exist on site? 
Is the site significantly disturbed? 
Is the area potential Problem Area?

Is the site significantly disturbed? Yes

Is the area a potential Problem Area? Yes

Transact/Flag ID: [Signature]
Plot ID: [Signature]

SOILS

Series and Power:
Series: [Signature]
Power: [Signature]

Subgroup:
Depth: [Signature]
Horizon: [Signature]
Matrix color: [Signature]
Matrix color/abundance: [Signature]
Texture, Structure, Other: [Signature]
Drainage Class: WD NWD SPD PD VPD
Consilerm Mapped Type: No

Hydric Soil Indicators:

- Huminic
- Humic Epipedon
- Sulfate Clay
- Reducing Conditions

Listed on Local Hydric Soil List
Listed as Proposed for Hydric Indicators Only
Other (Explain in Remarks)
Aquatic Habitat Regime

Landform position:
concave ___ convex ___ flat ___ undulating ___

Remarks:

HYDROLOGY

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

Field Observations:

- [Signature] - Ground Surface Inundation [A] inches
- [Signature] - Soil saturated
- Depth to Free Water: [A] inches
- Depth to Saturated Soil: [B] inches

Wetland Hydrology Indicators:

Primary Indicators:

- Inundated
- Submerged for 12 inches.
- Water Marks
- Inundated for 12 inches
- Sediment Deposition
- Ditch Lines

Secondary Indicators (2 or more required):

- Oxidized Root Channels in upper 12 inches
- Water-Strained Leaves
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

Office files/forms/Data Forms Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>cdhado</td>
<td>OBL</td>
</tr>
<tr>
<td>2</td>
<td>Wetland Carex</td>
<td>FACW</td>
</tr>
<tr>
<td>3</td>
<td>Sensitive Fern</td>
<td>FACW</td>
</tr>
<tr>
<td>4</td>
<td>Wd Gross</td>
<td>FACW+</td>
</tr>
<tr>
<td>5</td>
<td>juniper-elf</td>
<td>OBL</td>
</tr>
<tr>
<td>6</td>
<td>broom sedge</td>
<td>OBL</td>
</tr>
<tr>
<td>7</td>
<td>marsh sedge</td>
<td>OBL</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW: 100%
50/20 Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Hydrophytic Vegetation Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Is this Wetland Potentially Isolated? Yes or No

Remarks: Photo Reference Number:
DATA FORM
ROUTINE WETLAND DETERMINATION
(208 CDE Wetlands Determination Manual)

Project No: 07025
Applicant: Reoing Break Wind Power Project

Investigator:

Date: 9/27/07

Community:  

County: Lewis
State: NY

Do normal circumstances exist on site? Y Yes N No

Is the site significantly disturbed? Y Yes N No

Is the area a potential problem area? Y Yes N No

Transaction/Tag ID: CPF

Plot ID: CPF 9 VR

SOILS

Series and Phase:

Subgroup:

Depth Horizon Matrix color Matrix value/abundance

Hydric Soil Indicators:

Landscape position:

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)

Field Observations

Ground Surface Irregular

Soil saturated

Depth to Free Water

Depth to Saturated Soil

Wetland Hydrology Indicators:

Primary Indicators

Secondary Indicators (2 or more required)

Remarks:

No wetland hydrology

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### VEGETATION

| 1 | Breech |
| 2 | Snow Maple |
| 3 | Red Maple |
| 4 | | |
| 5 | Beech |
| 6 | Black Oak |
| 7 | Yellow Maple |
| 8 | Black cherry |
| 9 | | |
| 10 | Wildflower |
| 11 | Canada Mayflower |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |

**Percent of Dominant Species OBL, FACW, FAC: 26%**

**10/20 Rule Applied?** Yes No

**Remarks:**

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes No
- **Hydric Soils Present?** Yes No
- **Wetland Hydrology Present?** Yes No
- **Is this Sampling Point Within a Wetland?** Yes No
- **Hydrologic Connectivity to Off-site Wetlands?** Yes No
- **Is this Wetland Potentially Isolated?** Yes No

**Remarks:**

Photo Reference Number:
Project No.: 07025  Applicant: Raging Brute Wind Power Project
Investigator: Tremontani/Lipchitz/Sessions

Date: 9/28/02  Town: Martinsburg

Community:  County: Lewis
No  NY

Do natural circumstances exist on site?  Y  Yes  No

Is the site significantly disturbed?  Y  Yes  N  No

Is the area a potential problem area?  Y  Yes  N  No

SOILS
Exposed Phase:
Subgroup:

Soil Color

Depth

Moisture

Hydric Soil Indicators:

Landscape Position:

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Remarks:

2/jeff office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Student (side view)</th>
<th>Indicated</th>
<th>% Cover</th>
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</thead>
<tbody>
<tr>
<td>Cat's tail</td>
<td>SSS T V</td>
<td>OBL</td>
<td>40</td>
</tr>
<tr>
<td>Sed. Form</td>
<td>SSS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>Azalea</td>
<td>SSS T V</td>
<td>FACW/DBL</td>
<td>30</td>
</tr>
<tr>
<td>Liriodendron Tulipifera</td>
<td>SSS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>H</td>
<td>SSS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>SSS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P. sylvestris</td>
<td>SSS T V</td>
<td>FACW/DBL</td>
<td>30</td>
</tr>
<tr>
<td>V. americana</td>
<td>SSS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>E. americana</td>
<td>SSS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC: 80%**

**50/70 Rule Applied?**  Yes

**Remarks:**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Remarks</th>
<th>Photo Reference Number</th>
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</table>

**Remarks:**

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
6th CDE Wetlands Information Manual

Project No: 07/25 Applicant: Round Rock Wind Power Project
Date: 9/25/02
Investigator: Tom Rehfeldt

On normal circumstances exist on site:
Community:
Yes

Is site significantly disturbed?
Yes

Is the area a potential Problem Area?
Yes

SOILS

Subgroup:
Depth
Horizon
Matrix color
Natural
Organic Matter

Hydric Soil Indicators:

Landscape position:

Remarks:

HYDROLOGY

Field Observations

Ground Surface

Inundated

Soil Saturation

Determine

Aquatic Plant Habitats

Secondary Indicators (2 or more required)

Inundated

Water Bodies

Deciduous Forest

Bog

Remarks:

n/a
dnr office file/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Symmetry (clockwise)</th>
<th>Indicator</th>
<th>% Cover</th>
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<tbody>
<tr>
<td>Red Maple</td>
<td>H SS D V</td>
<td>FAC</td>
<td>60</td>
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<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>UPL</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
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<td></td>
<td>H SS T V</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACU, FAC: 80%

50/20 Rule Applied: Yes

### WETLAND DETERMINATION

- **Hyphric Vegetation Present?** Yes
- **Hyphric Soils Present?** Yes
- **Wetland Hydrology Present?** Yes
- **Is this Sampling Point Within a Wetland?** Yes
- **Hydrologic Connectivity to Off-site Wetlands?** Yes
- **Is this Wetland Potentially Isolated?** Yes

**Remarks:**

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM

ROUTINE WETLAND DETERMINATION

Institution: Environmental Design & Research
217 Montgomery Street, Suite 1000
Syracuse, New York 13202

Project No.: 87622
Applicant: Roaring Brook Wind Power Project
Investigator: 

Date: 1/20/07
Town: Martinburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is there a potential Problem Area? No

Community:
TransferFlag ID:
Plot ID:

SOILS

Series and Phase:
Subgroup:

Depth

0 - 6
6 - 12

Matrix color:

10RE 3/1
10YR 4/2

Mottle color/abundance:

Texture, Structure, Other:

Silt, Loam

Hydric Soil Indicators:

Conclusions:

Organic Streaking in Sandy Soils
Gleyed or Low-Chrome color

Drainage Class:

Confined Mapped Type:

WD MWD SPD PD VFD
Yes
No

Remarks:

HYDROLOGY

Precipitation

Amount:

Precipitation Type:

Soil Saturation

Infiltration:

Surface Infiltration:

Ground Surface Infiltration:

Soil Saturation:

Depth to Water Table:

Depth to Free Water:

Soil Profile:

Water Table:

Drainage:

Infiltration:

Soil Saturation:

Depth to Water Table:

Depth to Free Water:

Soil Profile:

Secondary Indicators (2 or more required):

Shrubland Root Channels in upper 12 inches
Water Stained leaves
Local Soil Survey
Morphological Plant Adjustments
Other (Explain in Remarks)
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Winecraft</td>
<td>H S S T V</td>
<td>FACW+</td>
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<tr>
<td>2.</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Wool grass</td>
<td>H S S T V</td>
<td>FACW+</td>
<td>30</td>
</tr>
<tr>
<td>5. Sporobolus compositus</td>
<td>H S S T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>6. Fringed Sedge</td>
<td>H S S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>7. Showy Rattlesnake</td>
<td>H S S T V</td>
<td>FACW+</td>
<td>10</td>
</tr>
<tr>
<td>8. Phragmites</td>
<td>H S S T V</td>
<td>FACW/100</td>
<td>30</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW: 100%  
Percent of Dominant Species OBL, FACW, FACW: 100%

50/50 Rule Applied?  No

**Remarks:**

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No
- Hydrologic Connectivity to Off-Site Wetlands? Yes or No
- Is this Wetland Potentially Isolated? Yes or No

**Remarks:**

Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
FHWA CHD Wetland Determination Manual

Project No: 07025
Applicant: Roaring Brook Wind Power Project
Investigator: Subarc/Reinhart/Epix

Date: 7/24/07
Town: Martinburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes No
Is the site significantly disturbed? Yes No
Is the area a potential Problem Area? Yes No
Community: GGG
Transmit Flag ID: GGG 2
Plot ID: GGG 2

SOIL

Series and Phase: 
Subgroup: 
Depth Horizon Matrix color Matrix color/abundance
0 5 0 
C 1 6+ 3 10% 61 

Hydric Soil Indicators:

Concentrate
High Org. Content in Surface Layer of Sandy Soils
Organic Streaking in Sandy Soils
Gleyed or Low Chroma color

Lined in Local Hydric Soils 1-4
Lined in Potential for Hydric Inclusions Only
Other (Explain in Remarks)
Aquic Moisture Regime

Landscape position:

Natural Undulating

Approximate slope:

HYDROLOGY

Recorded Data (Describe in Remarks):

<table>
<thead>
<tr>
<th>Strain, Lake or Tide Gauge</th>
<th>Aerial Photographs</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
<td></td>
</tr>
</tbody>
</table>

Field Observations:

Ground Surface Inundated

Soil Saturation

Depth to Free Water inches

Depth to Saturated Soil inches

Wetland Hydrology Indicators:

Primary Indicators:

Intended
Saturation in upper 12 inches
Water Mark

Secondary Indicators (2 or more required):

Oxidized Root Channels in upper 12 inches
Water-Logged Areas
Local Soil Survey
Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks: Wetland hydrology

cgeg office files/forms/Data Form Routine Wetland Determination.xls
VEGETATION

Dominant Plant Species:  
1. Bluestem  
2. Redtop Grass  
3.  
4.  
5.  
6.  
7.  
8.  
9.  
10.  
11.  
12.  
13.  
14.  
15.  
16.  

System (week-end):  
1. H S S V  
2. H S S V  
3. H S S V  
4. H S S V  
5. H S S V  
6. H S S V  
7. H S S V  
8. H S S V  
9. H S S V  
10. H S S V  
11. H S S V  
12. H S S V  
13. H S S V  
14. H S S V  
15. H S S V  
16. H S S V  

Indicator:  
1. FACW- 30%  
2. FAC 30%  
3. FAC 20%  
4. FAC- 40%  
5. FAC 30%  
6. FACU 20%  
7. UPL 5%  

% Cover:  
1. 30%  
2. 30%  
3. 20%  
4. 40%  
5. 30%  
6. 20%  
7. 5%  
8.  
9.  
10.  
11.  
12.  
13.  
14.  
15.  
16.  

Remarks:  

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No  
Hydric Soil Present? Yes or No  
Wetland Hydrology Present? Yes or No  
Is this Sampling Point Within a Wetland? Yes or No  
Hydrologic Connectivity to Off-site Wetlands? Yes or No  
Is this Wetland Potentially Isolated? Yes or No  

Remarks:  

Photo Reference Number:  

s\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (from top)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H SS CV V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>H SS AV V</td>
<td>FAC-</td>
<td>20</td>
</tr>
<tr>
<td>H SS BV V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>R SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC+</td>
<td>50</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>60</td>
</tr>
<tr>
<td>H SS T V</td>
<td>FAC</td>
<td>50</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FAC, FAC: 100%**

**Percent of Dominant Species OBL, FAC, FAC: 85%**

**50/20 Rule Applied?**

- Yes
- No

**Remarks:**

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

**Remarks:**

- Photo Reference Number:

---

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM  
ROUTE WETLAND DETERMINATION

Project No: 00955  
Applicant: Roaring Brook Wind Power Project  
Investigative Firm:  

Date: 9/26/07  
Town: Martinusburg  
County: Lewis  
State: NY  

Do normal circumstances exist onsite?  
Y/N  
Community:  

Is the site significantly disturbed?  
Y/N  
Transco Tag ID:  

Is the area a potential Problem Area?  
Y/N  
Plot ID:  

SOILS

Series and Phase:  

Subgroup:  

Depth:  

Hydric Soil Indicators:

- Histosol
- High Organic Content in Surface Layer of Sandy Soils
- Sulfide Oxidation
- Reducing Conditions

Mantle Color:

- Grayish
- Yellowish
- Reddish

Mantle Color/Abundance:

Hydric Soil Indicators Continued:

- Listed on Local Hydric Soils List
- Listed as Potential for Hydric Indications Only
- Organic Streaking in Sandy Soils
- Clayey or Low Organic color

Texture, Structure, Other:

- Coarse
- Fine
- Medium

Conformance:

- Listed on Local Hydric Soils List
- Listed as Potential for Hydric Indications Only
- Other (Explain in Remarks)
- Aquatic Moisture Regime

Landscaping Position:

- Concave
- Convex
- Flat
- Undulating

- Sloping
- Approximately Sloping

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks):

- No Recorded Data Available
- Stream, Lake or Tidal Gauge
- Aerial Photographs

Field Observations:

- Ground Surface/Undisrupted
- Soil Saturated

Depth to Free Water:  

Depth to Saturated Soils:

Wetland Hydrology Indicators:

- Primary Indicators:
  - Mounded
  - Source of water 12 inches
  - Water Mark
  - Drainage
  - Sediment/Debris

- Secondary Indicators (2 or more required):
  - Oxidized Root Channels in upper 12 inches
  - Water-Logged Areas
  - Local Soil Survey
  - Morphological Plant Adjustments
  - Other (Explain in Remarks)

Remarks:

No wetland hydrowlogy.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (covered)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H S S D V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>2</td>
<td>H S S D V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>H S S D V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>H S S D V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>5</td>
<td>H S S T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>6</td>
<td>H S S T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>7</td>
<td>H S S T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>8</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>9</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>H S S T V</td>
<td>FAcL</td>
<td>40</td>
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<tr>
<td>11</td>
<td>H S S T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>12</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>13</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>14</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>15</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBS, FACW, FAC 38

50/20 Rule Applied? (Yes) No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to O/Side Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: File Reference Number: s:\edr\office\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07055
Applicant: Roaring Brook Wind Power Project
Investigator:

Date: 07/15/20

Do normal circumstances exist on site? Yes No

Is the site significantly disturbed? Yes No

Is the area a potential Problem Area? Yes No

Community: PPS

Transmit/Flag ID: HH 29

Plot ID: HH 29

SOILS
Series and Phase: 

Subgroup:

Depth

Hard

Feeder color

Mottled color/Abundance

Texture, Structure, Other

Hydric Soil Indicators:

- Humus
- Sulfide Oxide
- Organic Materials in Sandy Soils
- Glyptod or Dark Chroma color

Landscape position:

- Convex
- Undulating
- Sloping

Drainage Class: WD MRWD SPD PD VPD

ConfirmedMapped Type: Yes No

Hydrology

- Resurced Data (Describe in Remark)
- Stream, Fork or Tidal Gauge
- Aerial Photographs

Field Observations:
- Soil Vance
- Ground Surface Level
- Depth to Free Water
- Depth to Saturated Soil

Wetland Hydrology Indicators:
Primary Indicators:
- Inundated
- Saturated in upper 12 inches
- Water Marks
- Drain Lines
- Sediment Deposition
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- Overland Flow Channels in upper 12 inches
- Water-Strained Surfaces
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Describe in Remark)

Remarks:

1/2/04 office Biases/Geology/Route Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (nord-sund)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Carex spp.</td>
<td>H SS T V</td>
<td>FAC</td>
<td>80</td>
</tr>
<tr>
<td>2. Black Spruce</td>
<td>H SS G V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>3. J. broom</td>
<td>H SS D V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>4. Speckled Alder</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>5. Ribes sp.</td>
<td>H SS T V</td>
<td>FAC/FACW</td>
<td>20</td>
</tr>
<tr>
<td>6. Speciose Fern</td>
<td>H SS T V</td>
<td>FACW</td>
<td>60</td>
</tr>
<tr>
<td>7. Evernweed</td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>8. Common Fern</td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBS, FACW, FACW_60 50/20 Rule Applied: **No**

**Remarks:**

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soils Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Hydrologic Connectivity to Off-site Wetlands?** Yes or No
- **Is this Wetland Potentially Isolated?** Yes or No

**Remarks:**

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
May 12, 2015

Project No: 07925
Applicant: Raoring Brook Wind Power Project

Date: 5/26/15

State: Lewis

SOILS
Series and Phase: Drainage Class: WD WWD SPD PD VPD
Subgroup: Confirm Mapped Type: Yes No

Depth
Depth
Matrix color
Material/substrate
Texture, Structure, Other

Hydric Soil Indicators:

Occurrence
High Cation Exchange Capacity
Organic Matrices in Sandy Soils
Oxidized or Low- Oxidation color

Consequences
Listed in Local Hydric Soil List
Listed as Potential in Hydric Indicators Only
Other (Explain in Remarks)
Aquatic Mixture Regime

Landscape position:

Convex
Sloping

Approves slope:

Remarks:

HYDROLOGY
Recorded Date (Describe in Remarks)
Field Observations

Ground Surface Insulated ___ inches.
Soil Saturated

Stream, Lake or Tidal Gauge
Depth to Free Water ___ inches.

Aerial Photographs
Depth to Saturation Soil___ inches.

Wetland Hydrology Indicators:

Primary Indicators

Insulated
Saturated in upper 12 inches
Water Mark
Drift Lines
Sediment Deposition
Drainage Patterns in Wetland

Secondary Indicators (2 or more required)

Oxidized Root Channels in upper 12 inches
Water-Strained leaves
Local Soil Survey
Morphological Plant Adaptations
Other (Explain in Remarks)

Remarks:

no wetland hydrology

File: office files\form\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Location</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Indioma alba</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td><em>Carex sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td><em>Sphagnum sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td><em>Zoysia sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td><em>Ficaria sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td><em>Rubus sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td><em>Salix sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td><em>Umbilicus sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td><em>Oxalis sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td><em>Calamagrostis sp.</em></td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
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</tbody>
</table>

Percentage of Dominant Species OBL, FACW: 14%

50/20 Rule Applied? Yes

**Remarks:**

Wetland Determination

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrogeologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Remarks:**

Photo Reference Number

s:edr office files\orma\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1987 CSG Wetland Determination Model

Project No: 07025
Applicant: Bellingham Wind Power Project
Investigator: Stakens/Shiget\_Tranback

Date: 07/02/2
Community: P3\_21

Is the area a potential Problem Area? Yes

SOILS:

Series	Genetic Phase:

Subgroup:

Depth	Matrix color	Mottle color/texture

Hydric Soil Indicators:

Histos	Successional

High Org. Content in surface layer of sandy soils

Sulfic Other	Organic Staining in Sandy Soils

Reducing Conditions	Creamed or low chroma color


Terrain, Structure, Other

Confirm Mapped Type: Yes


Remarks:

pRIOLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available

Stream, Lake, or Tide Gauge

Aerial Photographs

Field Observations

Gross Surface Inundated

Soil saturated

Depth to water

Secondary Indicators (2 or more required)


Remarks:

s:\edr office files\form\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arranged Sedge</td>
<td>H</td>
<td>DBL</td>
<td>20</td>
</tr>
<tr>
<td>Red Alder</td>
<td>A</td>
<td>DBL</td>
<td>10</td>
</tr>
<tr>
<td>Black Alder</td>
<td>B</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>Spotted Rush</td>
<td>S</td>
<td>FACW+</td>
<td>10</td>
</tr>
<tr>
<td>Smooth Reed Grass</td>
<td>S</td>
<td>DBL</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species DBL, FACW: 100%

50/20 Rule Applied? **Yes**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydric Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environments covered</td>
<td></td>
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<td></td>
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</table>
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**
**1987 CEQ Wetlands Definition Manual**

**Page No:** P25  
**Applicator:** Roaring Brook Wind Power Project  
**Investigator:** [signature]  
**Date:** 9/26/07  
**Town:** Martinsburg  
**County:** Lewis  
**State:** NY

Do normal circumstances exist on site?  
- [ ] No
- [X] Yes

Is the site significantly disturbed?  
- [X] Yes
- [ ] No

Is the area a potential Problem Area?  
- [ ] Yes
- [X] No

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
<th>WD</th>
<th>MWD</th>
<th>SPD</th>
<th>PD</th>
<th>VPD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup</td>
<td>Confirm Mapped Type</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/phytophane</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.51</td>
<td>D</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5&quot;</td>
<td></td>
<td>Rocky Layer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:  
- [ ] Horizons  
- [ ] High Organic Content in Surface Layer of Sandy Soils  
- [ ] Organic Steaking in Sandy Soils  
- [ ] Glycol or Low Chroma color  
- [ ] Aquic Moisture Regime  
- [ ] Level or Local Hydric Soil List  
- [ ] Listed as Potential for Hydric Indicators Only  
- [ ] Other (Explain in Remarks)

Landscape position:  
- [ ] concave  
- [ ] convex  
- [ ] flat  
- [ ] undulating  
- [ ] Approximate slope:

Remarks:

**HYDROLOGY**

Recorded Data (Describe in Remarks)  
- [ ] No Recorded Data Available  
- [ ] Survey, Lake or Tide Gauge  
- [ ] Aerial Photographs  

Field Observations:
- [ ] Ground Surface Inundated:  
- [ ] Soil Saturation:  
- [ ] Depth to Free Water: inches.  
- [ ] Depth to Saturation Soil: inches.

Wetland Hydrology Indicators:

Primary Indicators:
- [ ] Inundated  
- [ ] Saturated in upper 12 inches.  
- [ ] Water Marks  
- [ ] Drift Lines  
- [ ] Sediment Deposits  
- [ ] Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- [ ] Oxidized Root Channels in upper 12 inches  
- [ ] Water-Shaded leaves  
- [ ] Local Soil Survey  
- [ ] Morphological Plant Adaptations  
- [ ] Other (Explain in Remarks)

Remarks:

110 wetland hydrology

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## VEGETATION

<table>
<thead>
<tr>
<th></th>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>%Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Black Cherry</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>Blue</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>Red Maple</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>Sugar Maple</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td>Yellow Birch</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>7</td>
<td>Red Maple</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>8</td>
<td>White Birch</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>9</td>
<td>Red Maple</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>Red Maple</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>Can Striped Maple</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>12</td>
<td>Black Bear</td>
<td>H S/S Y V</td>
<td>FACU</td>
<td>10</td>
</tr>
</tbody>
</table>

### Percent of Dominant Species OHI: FACU, FACU: 40%

### Percent of Dominant Species OHI: FACU, FACU: 40%

50/50 Rule Applied? Yes No

Remarks:

---

## WETLAND DETERMINATION

- **Hydrophytic Vegetation Present? Yes or No:** Yes
- **Hydric Soils Present? Yes or No:** Yes
- **Wetland Hydrology Present? Yes or No:** Yes
- **Is this Sampling Point Within a Wetland? Yes or No:** Yes
- **Hydrologic Connectivity to Off-site Wetlands? Yes or No:** Yes
- **Is this Wetland Potentially Isolated? Yes or No:** Yes

Remarks:

Photo Reference Number: [File Reference Information]

s:ldr office files/forms/Data Form Routine Wetland Delineation.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Liriope sp.</td>
<td>S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>2. Blue Grama</td>
<td>S S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>3. Liatris sp.</td>
<td>S S T V</td>
<td>FACW/OBL</td>
<td>20</td>
</tr>
<tr>
<td>4. Wild Grass</td>
<td>S S T V</td>
<td>FACW/OBL</td>
<td>40</td>
</tr>
<tr>
<td>5. Sparganium</td>
<td>S S T V</td>
<td>FACW/OBL</td>
<td>20</td>
</tr>
<tr>
<td>6. Sedges</td>
<td>S S T V</td>
<td>OBL</td>
<td>0</td>
</tr>
<tr>
<td>7. Sedges</td>
<td>S S T V</td>
<td>OBL</td>
<td>0</td>
</tr>
<tr>
<td>8. Sedges</td>
<td>S S T V</td>
<td>OBL</td>
<td>0</td>
</tr>
<tr>
<td>9. Sedges</td>
<td>S S T V</td>
<td>OBL</td>
<td>0</td>
</tr>
<tr>
<td>10. Sedges</td>
<td>S S T V</td>
<td>OBL</td>
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<tr>
<td>11. Sedges</td>
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<tr>
<td>12. Sedges</td>
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<tr>
<td>13. Sedges</td>
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<td>OBL</td>
<td>0</td>
</tr>
<tr>
<td>14. Sedges</td>
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<td>OBL</td>
<td>0</td>
</tr>
<tr>
<td>15. Sedges</td>
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<td>OBL</td>
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</tr>
<tr>
<td>16. Sedges</td>
<td>S S T V</td>
<td>OBL</td>
<td>0</td>
</tr>
</tbody>
</table>

Percentage of Dominant Species OBL, FACW, FACW 100% Percent of Dominant Species OBL, FACW 100%

50/20 Rate Applied? Yes No

Remarks:

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes No
- Hydric Soil Present? Yes No
- Wetland Hydrology Present? Yes No
- Hydrologic Connectivity to Off-site Wetlands? Yes No
- Is this Sampling Point Within a Wetland? Yes No
- Is this Wetland Potentially Isolated? Yes No

Remarks: Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
ECOE Wetland Determination Manual

Project No: 07025  Applicant: Roaring Brook Wind Power Project
Investigator: [Redacted]  Date: 9/26/02

Town: Martinburg  County: Lewis
State: NY

Do normal circumstances exist on site?  Yes [Redacted]
Is the site significantly disturbed?  Yes [Redacted]
Is the area a potential Problem Area?  Yes [Redacted]

SOILS
Series and Phase: [Redacted]
Subgroup: [Redacted]

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matts core</th>
<th>Organic color/abundance</th>
<th>Textural, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;</td>
<td>D</td>
<td>organic</td>
<td>dbk</td>
<td>silt loam</td>
</tr>
<tr>
<td>6-8&quot;</td>
<td>A</td>
<td></td>
<td></td>
<td>silt loam</td>
</tr>
<tr>
<td>8&quot;</td>
<td>B</td>
<td></td>
<td></td>
<td>sandy silt</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
- Histosols
- Hydric Epigene
- Sulfide Oxidation
- Reducing Conditions

Landscape position:
- concave
- convex
- flat
- undulating
- sloping
- Approximate slope:

HYDROLOGY
Recorded Data (Describe in rep-hr):
- No Recorded Data Available
- Stream, Lake or Tidal Influence
- Aerial Photographs

Field Observations:
- Ground Surface Indication:
- Soil Saturation:
- Depth to Free Water:
- Depth to Saturation Wells:

Wetland Hydrology Indicators:
Primary Indicators:
- Inundated
- Saturated to upper 12 inches.
- Water Marks
- Ditch Lines
- Sediment Deposition

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water Stains on leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Describe in Remarks)

Remarks:
No wetland hydrology

[Redacted]

274 North Goodman Street
Rochester, New York 14607
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Aspect</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red maple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada maple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wood fern</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red maple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow birch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red maple</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL: FACW, FAC = 80%

50/20 Rule Applied? Yes

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
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</table>

Remarks:

Photo Reference Number:

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**DATA FORM**

**Routine Wetland Determination**

11/07 COC: Wetland Dermination Manual

---

**Project No:** 07035  
**Applicant:** Roaring Brook Wind Power Project  
**Date:** 11/07

---

**Investigator:** 
**Community:** 
**Town:** Martinusen
**County:** Lewis
**State:** NY

---

**SOILS**

**Series and Phase:**

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth</th>
<th>Matrix color</th>
<th>Matrix color/shade/texture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Plant Indicators:**
  - **Ground Control:** Surface Layer of Sandy Soil
  - **Organic Soils:** Sandy Silt
  - **Gleyed or Low Chroma color:**

---

**Remarks:**

---

**HYDROLOGY**

**Field Observations:**

- **Ground Control:** Surface Layer of Sandy Soil
  - **Soil Texture:**  
  - **Silt:**
  - **Organic Soils:** Sandy Silt
  - **Gleyed or Low Chroma color:**

---

**Remarks:**

---

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**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (c/n/e)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Silt Rush</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>2. Rock Fern</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>3. Labrador</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>4. Willow Herb</td>
<td>H SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>5. Southern</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>6. Yellow Grams</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soil Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>In this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
<td>In this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

Remark:  

Photo Reference Number:  

s:edr office files/forms/Data Form Routine Wetland Delineation.xls
DATA FORM ROUTINE WETLAND DETERMINATION
2017 DNR Wetlands Determination Manual

Project No: 07025  Applicant: Roaring Brook Wind Power Project
Investigator: [Signature]

Date: 9/16/22  Town: Marileburg
County: Lewis  State: NY

Do normal construction exist on site? Yes  No

Is the site significantly disturbed? Yes  No

Is the area a potential vernal area? Yes  No

SOILS
Series and Phase: [Blank]
Subgroup: [Blank]
Depth: [Blank]
Matrix color: [Blank]
Matrix color/sediment: [Blank]
Texture, Structure, Other: [Blank]
Hydrologic Soil Indicators:
- Histosol:
- Freeware:
- Siltic Oar:
- Reducing Conditions:

Drainage Class: WD MWD SPD PD VPD
Confirm Mapped Type: Yes  No

Hydrology

HYDROLOGY
Recorded Data (Describe in Remarks):
- No Recorded Data Available
- Stream, Lakes or Tidal Areas
- Aerial Photographs

Field Observations:
- Ground Surface Inundated
- Soil/Saturated

Wetland Hydrology Indicators:
Primary Indicators:
- Intermittent
- Seasonal in upper 12 inches
- Water Mats
- Drift Lines
- Sediment Deposits

Secondary Indicators (2 or more required):
- Seasonal Flow Changes in upper 12 inches
- Water-Stained Leaves
- Local Tsunami Survey
- Megafaunal Plant Adaptation
- Erode (Explain in Remarks)

Remarks:
- No wetland hydrology

e:ledr office forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (circled)</th>
<th>Dominant Plant Species</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H S S T V</td>
<td>Sycamore</td>
<td>FACU-</td>
<td>50</td>
</tr>
<tr>
<td>H S S E V</td>
<td>Yellow Birch</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>H S S T V</td>
<td>Beech</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>H S S T V</td>
<td>Sugar Maple</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>H S S T V</td>
<td>White Ash</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>H S S T V</td>
<td>Black Cherry</td>
<td>UPL</td>
<td>40</td>
</tr>
<tr>
<td>H S S T V</td>
<td>Wild Plum</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>H S S T V</td>
<td>Blackberry</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>H S S T V</td>
<td>Sugar Maple</td>
<td>FACU</td>
<td>60</td>
</tr>
</tbody>
</table>

#### Percent of Dominant Species OBL, FACU, FAC, %

50/20 Rule Applied? Yes No

#### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soils Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Hydric Connectivity to Other Wetlands?** Yes or No
- **Is this Wetland Potentially Inland?** Yes or No

### Remarks:

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HYDROLOGY

Field Observations:

- Soil Saturation

- Depth to Free Water

- Depth to Saturation Soils

Wetland Hydrology Indicators:

- Primary Indicators:
  - Insulated
  - Saturated in upper 12 inches
  - Water Marks
  - Ditch Lens
  - Drainage Patterns in Wetland

- Secondary Indicators (2 or more required):
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

Remarks:

s:\lehr office files\forms\Routine Wetland Determination - rev 1.xls
<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum:</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>adds maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>Shirley willow</td>
<td>H S/S T V</td>
<td>FAC/obl</td>
<td>40%</td>
</tr>
<tr>
<td>alder</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>yellow birch</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>sensitive fern</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>40%</td>
</tr>
<tr>
<td>bloodroot</td>
<td>H S/S T V</td>
<td>OBL</td>
<td>50%</td>
</tr>
<tr>
<td>carpet fern</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>Fragaria vesca</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>joe pye weed</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td></td>
<td>H S/S T V</td>
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</tr>
<tr>
<td></td>
<td>H S/S T V</td>
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</tr>
<tr>
<td></td>
<td>H S/S T V</td>
<td></td>
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</tr>
</tbody>
</table>

Remarks:

50/50 Rule Applied? Yes No

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydric Soils Present? Yes or No
Wetland Hydrology Present? Yes or No
Hydriclogic Connectivity to Off-site Wetlands? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Is this Wetland Potentially Isolated? Yes or No

Photo Reference Number:

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**DATA FORM ROUTINE WETLAND DETERMINATION**

**Project No:** 07825  **Applicant:** Roaring Break Wind Power Project  **Date:** 9/26/02  **Area:** Lewis, NY

**Investigator:** Pippen, Stahls, Prembar  **Town:**  **County:** Lewis  **State:** NY

- **Do normal circumstances exist on site?** (No)
- **Is the site significantly disturbed?** (Yes)
- **Is the area a potential Problem Area?** (Yes)

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WD, MWD, SPD, PD, VFD</td>
<td>Yes, No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color-texture</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td>Organic Duff</td>
<td></td>
</tr>
</tbody>
</table>

- **Hydric Soil Indicators:**
  - **Histos:** Organics
  - **High Organic Content in Surface Layer of Sandy Soils:** Listed on Local Hydric Soil Sites
  - **Organic Soils in Sandy Soils:** Listed in Potential for Hydric Inclusions Only
  - **Gleyed or Low Chroma color:** Other (Explain in Remarks)
  - **Aquatic Condition:**

- **Hydric Position:**
  - **Concave:** Undulating
  - **Convex:**
  - **Slope:** Approximate slope

**HYDROLOGY**

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
  - Stream, Lake or Tidal Gauge
  - Aerial Photographs

- **Field Observations:**
  - Ground Surface Insulated inches.
  - Soil Saturated
  - Depth to Free Water inches.
  - Depth to Saturated Soils inches.

**Wetland Hydrology Indicators**

- **Primary Indicators:**
  - **Impounded:**
  - Saturated in upper 12 inches.
  - Water Marks
  - Depth Lines
  - Sediment Deposition
  - Drainage Patterns in Wetland

- **Secondary Indicators (2 or more required):**
  - Cowbird Rook Channels in upper 12 inches
  - Water-Stained Soils
  - Local Soil Survey
  - Morphological Plant Adaption
  - Other (Explain in Remarks)

**Remarks:** no wetland hydro

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**VEGETATION**

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stem Diameter</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beech</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Sugar maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>Yellow Birch</td>
<td>H SS T V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>Ash</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>Striped Maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>Wood Fern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>Blue Head Lily</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>Prickly Pear</td>
<td>H SS T V</td>
<td>UPL</td>
<td>25</td>
</tr>
</tbody>
</table>

Percent of Dominant Species: 40% 25% 0%

50/20 Rule Applied? No

- **WETLAND DETERMINATION**

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Hydrologic Connectivity to Offsite Wetlands? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No
- Is this Wetland Potentially Isolated? Yes or No

Remark:

Photo Reference Number:
**SOILS**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Matrix color/abundance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-9&quot;</td>
<td>0</td>
<td>Organic Muck</td>
<td></td>
</tr>
<tr>
<td>8.16&quot;</td>
<td>A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydrologic Soil Indicators:**
- Forest Floor
- Organic \( C \) in Surface Layer of Sandy Soils
- Surface Water in High Organic Material
- Glacial or Loess-Chernozem color

**Landform:**
- Slope:
- Vegetation:
- Upland

**Drainage Class:**
- WD MWD SPD PD VPD

**HYDROLOGY**

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

**Field Observations:**
- No Ground Surface Insulated
- Soil Saturated
- Depth to Water Table: 57.4 inches
- Depth to Saturated Soil: 6.0 inches

**Wetland Hydrology Indicators:**
- Primary Indicators
  - Saturated in upper 12 inches
  - Water Marks
  - Ditch
  - Drainage Deposits

**Secondary Indicators (2 or more required):**
- Oxidized Root Channels in upper 12 inches
- Water-Stained Soils
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (Pink and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Maple</td>
<td>H SS O V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>2. Y. birch</td>
<td>H SS O V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Red Maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>6. Black spruce</td>
<td>H SS T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>7. Y. birch</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Common fern</td>
<td>H SS T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>11. Sedges</td>
<td>H SS T V</td>
<td>OBL</td>
<td>20</td>
</tr>
<tr>
<td>12. Lupinus polyph.</td>
<td>H SS T V</td>
<td>OBL</td>
<td></td>
</tr>
<tr>
<td>13. Spar Juncous</td>
<td>H SS T V</td>
<td>FAC/OBL</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FAC, FACw: 43%

Percent of Dominant Species OBL, FACw: 43%

50/70 hole Applied? Yes

Remarks:

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No
- Wetland Hydroscape Present? Yes or No
- Is this Wetland Potentially Isolated? Yes or No
- Hydrology: Connectivity to Offsite Wetlands? Yes or No
- Is this Sampling Point within Wetland? Yes or No

Remarks:

Photo Reference Number:
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**DATE** 9/19/09

**Project No:** 97465  **Applicant:** Hoosic Brook Wind Power Project  **Investigator:** [Signatures]

**Date:** 9/19/09  **County:** Lewis  **State:** NY

--

**SOILS**

**Series and Phase:**

**Subgroup:**

**Depth**  **Horizon**  **Matrix color**  **Matrix color/abundance**  **Texture, Structure, Other**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;</td>
<td>A</td>
<td>Silty</td>
<td>loam</td>
<td>sandy</td>
</tr>
<tr>
<td>8-11&quot;</td>
<td>A</td>
<td>Organic</td>
<td>staining</td>
<td>sandy</td>
</tr>
<tr>
<td>11-16&quot;</td>
<td>B</td>
<td>Clayey</td>
<td>loam</td>
<td>sandy</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- [ ] Concretions
- [ ] High Org. Content in Surface Layer of Sandy Soils
- [ ] Organic Staining in Sandy Soils
- [ ] Clayey or Low Chroma color
- [ ] Lined on Local Hydric Soils List
- [ ] Listed as Material for Hydric Inclusions Only
- [ ] Aquatic Vegetation

**Landscape position:** concave  convex  flat  undulating  X  sloping  Approximate slope:

**Remarks:**

--

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**

- [ ] No Recorded Data Available
- [ ] Stream, Lake or Tide Gauge
- [ ] Aerial Photographs

**Flight observations:**

- [ ] Ground Surface Insulated inches.
- [ ] Soil Saturated

<table>
<thead>
<tr>
<th>Depth to Free Water</th>
<th>inches.</th>
<th>Depth to Saturated Soil</th>
<th>inches.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators:**

**Primary Indicators:**

- Inundated
- Saturated in upper 12 inches.
- Water Supply
- Ditch Lines
- Surface Deposits
- Drainage Patterns in Wetland

**Secondary Indicators (2 or more required):**

- Crushed Rock Channels in upper 12 inches
- Water-Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

- [ ] no wetland hydro

---

s/lake office files/forms/Routine Wetland Determination - rev 1.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status: (4-0-0 and 5-0-0 and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <strong>A. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>2. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>3. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>4. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>5. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>6. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>7. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>8. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
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<tr>
<td>9. <strong>S. repens</strong></td>
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<td>FACU</td>
<td>30</td>
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<td>10. <strong>S. repens</strong></td>
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<td>FACU</td>
<td>30</td>
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<tr>
<td>11. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>12. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
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<td>13. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>14. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>15. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>16. <strong>S. repens</strong></td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBS, FACW, FAC: 20%

50/20 Rule Applied? Yes No

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Hydrologic Connectivity to Off-site Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number:

s:ledr office files/forms/Routine Wetland Determination - rev 1.xls
**DATA FORM**

**Routine Wetland Determination**

1995 CER Wetlands Determination Manual

<table>
<thead>
<tr>
<th>Project No:</th>
<th>07035</th>
<th>Applicant: Bearing Brook Wind Power Project</th>
<th>Date:</th>
<th>9/27/09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investigate:</td>
<td>Tamarack, Poppa/5245</td>
<td>Community:</td>
<td>PEM</td>
<td></td>
</tr>
<tr>
<td>Do normal circumstances exist on site?</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the site significantly disturbed?</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the area a potential Problem Area?</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series and Phase:</td>
</tr>
<tr>
<td>Subgroup:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color disposition</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5'</td>
<td>0</td>
<td>Organic sand</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydric Soil Indicators:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><em>High Epikline</em></td>
<td>Organic content in surface layer of Sandy Soils</td>
<td></td>
</tr>
<tr>
<td><em>Sublethal Color</em></td>
<td>Organic content in Sandy Soils</td>
<td></td>
</tr>
<tr>
<td><em>Reducing Conditions</em></td>
<td>Oxidized or Low Chromatic color</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landscape position:</th>
<th>concave</th>
<th>convex</th>
<th>sloping</th>
</tr>
</thead>
<tbody>
<tr>
<td>form</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Remarks: |

<table>
<thead>
<tr>
<th>HYDROLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recorded Data (Describe in Remarks):</td>
</tr>
<tr>
<td>Streams, Lake or Tidal Gauge:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Indicators:</td>
</tr>
<tr>
<td>Inundated</td>
</tr>
<tr>
<td>Depth to Water Table</td>
</tr>
<tr>
<td>Drift Line(s)</td>
</tr>
<tr>
<td>Inundation Patterns in Wetland</td>
</tr>
</tbody>
</table>

| Remarks: |

s:\edr\office\files\forms\Routine Wetland Determination - rev 1.xls
## VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prickly Sedge</strong></td>
<td>OBL</td>
</tr>
<tr>
<td><strong>Wild Oats</strong></td>
<td>FACW+</td>
</tr>
<tr>
<td><strong>Dune Grass</strong></td>
<td>FACW/0BL</td>
</tr>
<tr>
<td><strong>Crimson-mace</strong></td>
<td>FACW</td>
</tr>
<tr>
<td><strong>Soft rush</strong></td>
<td>FACW+</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW, FACW: 100\%

#### Remarks:

50/20 Rule Applied? Yes No

## WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes No
- **Hydric Soils Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Hydric Connectivity to Other Wetlands?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Is this Wetland Potentially Isolated?** Yes or No

#### Remarks:

Photo Reference Number:

---

s:ledr offices/files/forms/Routine Wetland Determination - rev 1.xls
Project No: 07928  Applicant: Roaring Brook Wind Power Project

Investigator: [Handwritten]  Date: 9/27/07

Is no normal circumstances exist on site? Yes / No  County: Lewis

Is the site significantly disturbed? Yes / No  State: NY

If there a potential Problem Area? Yes / No  Type/Flag ID: W1-13

Soil:
Series and Phase: (Eab) Empyville Story loan  Drainage Class: WD 50/50 6/60 9/90 9/70

Subgroup: Confirmed Mapped Type: Yes / No

Depth Horizon Matrix color Nitrate color / abundance

Hydro Soil Indicators:
- Horizon: Eapad
- Organic: Content in top layer of Sandy Soils
- Ozone: Organic heaving in sandy soils
- Reducing Conditions: Gleysol or Low Chroma color

Landscapes position:
- Concave
- Convex
- Undulating

Remarks:

Hydrology:
Recorded Data (Describe in Remarks):
- No Recorded Data Available
- Steams, Lakes or Tidal Gauges
- Areal Photographs

Field Observations:
- Ground Surface Insulated: inches
- Soil saturated: inches
- Depth to Free Water: inches
- Depth to Saturation Soil: inches

Wetland Hydrology Indicators:
Primary Indicators:
- Inundated
- Saturated in upper 12 inches
- Water Marks
- Ditch Lines
- Sediment Deposit
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water-Stained Leached
- Local Soil Survey
- Morphological Root Adaptations
- Other (Describe in Remarks)

Remarks:
No Wetland hydrology

s/led office files/forms/Routine Wetland Determination - rev 1.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (depth cm)</th>
<th>Indication</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <strong>Sycamore</strong></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>30</td>
</tr>
<tr>
<td>2. <strong>Birch</strong></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>20</td>
</tr>
<tr>
<td>3. <strong>Beech</strong></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>30</td>
</tr>
<tr>
<td>4. <strong>Oak maple</strong></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>30</td>
</tr>
<tr>
<td>5. <strong>Birch</strong></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>20</td>
</tr>
<tr>
<td>6. <strong>Hickory</strong></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>10</td>
</tr>
<tr>
<td>8. <strong>Willow</strong></td>
<td>H S/S T V</td>
<td>FACU-</td>
<td>60</td>
</tr>
<tr>
<td>9. <strong>Elm</strong></td>
<td>H S/S T V</td>
<td>UPL-</td>
<td>20</td>
</tr>
<tr>
<td>10. <strong>Hawthorn</strong></td>
<td>D S/S T V</td>
<td>FAC-</td>
<td>20</td>
</tr>
<tr>
<td>11. <strong>Maple</strong></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. <strong>Hamamelis</strong></td>
<td>D S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. <strong>Basswood</strong></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. <strong>Hawthorn</strong></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. <strong>Birch</strong></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16. <strong>Maple</strong></td>
<td>H S/S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACU, FAC: 33%

Remarks:

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Is this Wetland Potentially Isolated? Yes or No

Remarks: Photo Reference Number:

s:lerd office files/forms/Routine Wetland Determination - rev 1.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07025  Applicant: Reoing Bros. Wind Power Project  Date: 6/29/04

Investigator: Pippin/Trentham

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is the area a potential Producer Area? Yes

Comm. Pro

Trend/Map ID: 3N

Y T R E E N

NY

SOILS
Series and Phase: [EdB] Empowville Strong loan

Depth

0-5

5

Table Brends Matrix color

Matrix color/abundance

Organic matter

Hedric Soil Indicators:

Hydric Site Indicators:

No Hydric Site

Labeled on Local Hydric soils List

Labeled as Potential for Hydric Indications Only

Other (Explain in Remarks)

Restricted Access

Organic Soils

Gravelly- Low Chroma color

Nutrient, Structure, Other

Non-wetted

Hydric Conditions

Habitat

High Org. Content in Surface Layer of Sandy Soils

Dusted Color

Organic Soiling in Sandy Soils

Red-Brown or Dark colored

Labeled

Approximate Slope:

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available

Basin, Lake or Tide Gauge

Aerial Photographs

Field Observations

Ground Surface Inundation 1-2 inches

Soil saturated

Depth to Free Water 0 inches

Depth to Saturated Soils 0 inches

Secondary Indicators (2 or more required)

Vegetation Types

Water Stained leaves

Local Soil Survey

Morphological Plant Adaptations

Other (Explain in Remarks)

Wetland Hydrology Indicators:

Primary Indicators

Secondary Indicators (2 or more required)

Vegetation Types

Creek/Run Channels in upper 12 inches

Water-stained leaves

Local Soil Survey

Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks:

Hammeley, Batliner

5/24/04 office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plot</th>
<th>Species</th>
<th>Substrate (area %)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H sourc</td>
<td>S S T V</td>
<td>FACW</td>
<td>25</td>
</tr>
<tr>
<td>2</td>
<td>barrens</td>
<td>S S T V</td>
<td>FACW/obl</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td>Sensitive bar</td>
<td>S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>red maple</td>
<td>S S T V</td>
<td>FAC</td>
<td>75</td>
</tr>
<tr>
<td>6</td>
<td>yellow birch</td>
<td>S S T V</td>
<td>FAC</td>
<td>10</td>
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<td>7</td>
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<td>S S T V</td>
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<td>8</td>
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<tr>
<td>16</td>
<td></td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

50/20 Rule Applied? **Yes**

Remarks: Herbaceous layer just starting

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Wetland Vegetation Present?</th>
<th>Yes/No</th>
<th>Hydric Soils Present?</th>
<th>Yes/No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes/No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes/No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes/No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number:
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Project No.</th>
<th>07625</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Roaring Brook Wind Power Project</td>
</tr>
<tr>
<td>Investigator</td>
<td>Pippin/Trentham</td>
</tr>
<tr>
<td>Date:</td>
<td>5/14/08</td>
</tr>
<tr>
<td>Town:</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County:</td>
<td>Lewis</td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
</tr>
<tr>
<td>Do normal circumstances exist on site?</td>
<td>Yes/No</td>
</tr>
<tr>
<td>Is the site significantly disturbed?</td>
<td>Yes</td>
</tr>
<tr>
<td>Is the area a potential Problem Area?</td>
<td>Yes</td>
</tr>
<tr>
<td>Community:</td>
<td>Sun Shrubland</td>
</tr>
<tr>
<td>Transect/Flag ID:</td>
<td>Wetland 3N</td>
</tr>
<tr>
<td>Plot ID:</td>
<td>USP-3N</td>
</tr>
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</table>

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Empyeville Story Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td>not available</td>
</tr>
<tr>
<td>Conform Mapped Type:</td>
<td>C0n0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Material Type</th>
<th>Mottled Colored/Saline</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>A</td>
<td>109B/5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>0-4.5</td>
<td>B</td>
<td>109B/5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>4.5-10</td>
<td>C</td>
<td>109B/5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- Concretions
- High Organ Content in Surface Layer of Sandy Soils
- Organic Streaking in Sandy Soils
- Glazed or Low Chroma color
- Land on Local Hydric Soil List
- Listed as Potential for Hydric Indicators Only
- Aquatic Moisture Regime
- Other (please indicate)

**Landscape position:**
- concave
- convex
- Flat
- Undulating

**Remarks:** No hydric soil indicators noted.

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
</tr>
<tr>
<td>Stream, Lake, or Watercourse</td>
</tr>
<tr>
<td>Annual Photographs</td>
</tr>
</tbody>
</table>

Field Observations:
- Ground Surface Undulated: inches
- Soil Separation: inches
- Depths to Free Water: inches
- Depths to Saturation: inches

**Wetland Hydrology Indicators:**
- Primary Indicators:
  - Undulated
  - Stained in upper 12 inches
  - Water Margin
  - Ditch Lines
  - Sediment Deposition
  - Drainage Patterns in Wetland
- Secondary Indicators (2 or more required):
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained Inlets
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (please indicate)

**Remarks:** No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (above sea)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>first lily</td>
<td>H SS T V</td>
<td>N1</td>
<td>25</td>
</tr>
<tr>
<td>huckleberry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>trillium</td>
<td>H SS T V</td>
<td>FAC</td>
<td>15</td>
</tr>
</tbody>
</table>

Percent of Dominant Species ORL, FACW, FACW: 57%

Percent of Dominant Species ORL, FACW: 0%

50/20 Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Hydrologic Connectivity to Off-site Wetlands? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No
- Is this Wetland Potentially Isolated? Yes or No

Remarks: Photo Reference Number:

* redo office riderform Data Form Routine Wetland Delineation.xls*
**Environmental Design & Research**
217 Montgomery Street, Suite 104
Syracuse, New York 13202

**DATA FORM**
**ROUTINE WETLAND DETERMINATION**

**Project No:** 07025  
**Project:** Roaring Brook Wind Power Project

**Inventor:** Pippin/Trembath

**Location:**
- **State:** NY
- **County:** Lewis
- **Community:** PFO
- **Town:** Martinsburg

---

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Seabrook Story / Loan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>4 ft</td>
</tr>
<tr>
<td>Subgroup</td>
<td>not available</td>
</tr>
<tr>
<td>soil type</td>
<td>A</td>
</tr>
<tr>
<td>Soil Color</td>
<td>brown</td>
</tr>
<tr>
<td>Texture, Structure, &amp; Other</td>
<td>clay loam</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- **Nativity:**
- **Native Infiltration:**
- **Subaqueous:**
- **Subaerial:**
- **Saline:**
- **Caoutchouc Formation:**
- **Oxidized or Low Chroma Clays:**
- **Lined, Stagnant, or Flexeform:**
- **Other:**

**Landscape position:**
- **converging:**
- **diverging:**

**Remarks:**
- **Muddy soil on rock layer**

---

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No Recorded Data Available:</strong></td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators:**
- **Primary Indicators:**
- **Secondary Indicators:**

**Field Observations:**
- **Soil Type:**
- **Soil Condition:**
- **Water Quality:**
- **Water Chemistry:**
- **Plant Communities:**
- **Plant Associations:**
- **Water Body:**
- **Wetland Function:**

**Remarks:**

slydr office files/forms/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Project Number: 07025</th>
<th>Date: 5/16/08</th>
<th>Hot ID Number: USP 5 6 000-13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant: Roaring Brook Wind Power Project</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Dominant Plant Species

<table>
<thead>
<tr>
<th></th>
<th>Stratum (icle-cre)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H S S T V</td>
<td>FAC WI</td>
<td>70%</td>
</tr>
<tr>
<td>2</td>
<td>H S S T V</td>
<td>OBL</td>
<td>10%</td>
</tr>
<tr>
<td>3</td>
<td>H S S T V</td>
<td>FAC WI/BL</td>
<td>10%</td>
</tr>
<tr>
<td>4</td>
<td>H S S T V</td>
<td>FAC</td>
<td>8%</td>
</tr>
<tr>
<td>5</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>6</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20%</td>
</tr>
<tr>
<td>7</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 70%

WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present? Yes or No</th>
<th>Hydric Soils Present? Yes or No</th>
<th>Wetland Hydrology Present? Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands? Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Is this Sampling Point Within a Wetland? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number:
Project No: 0725
Applicant: Roring Brook Wind Power Project
Investigator: Pipinni/Trentham

DATA FORM
ROUTINE WETLAND DETERMINATION
(947 CEE Wetlands Determination Manual)

Date: 6/14/09
Time: 
County: Lewis
State: NY

Soils
Series and Phase: (E0b) Empoeville Story
Subgroup: 

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Moisture color/balance</th>
<th>Tenure, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3</td>
<td>A</td>
<td>Trench Shale</td>
<td>None</td>
<td>Organic</td>
</tr>
<tr>
<td>3-8</td>
<td>B</td>
<td>7.51%</td>
<td>None</td>
<td>Silt loam</td>
</tr>
<tr>
<td>8+</td>
<td>C</td>
<td>17.8%</td>
<td>None</td>
<td>Silt loam</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
- Methods
- Kidney Shaped
- Organic Stalking in Surface Layer of Sandy Soils
- Organic Stalking in Sandy Soils
- Organic Stalking in Sandy Soils
- Shaken or Low Channels color

Landscape position:
- Flat
- Undulating

Hydrology:
- Recorded Date: 6/14/09
- No Recorded Data Available
- Stream, Lake or Tide Gauge
- Aerial Photographs

Field Observations
- Ground Surface Inundated: 30
- Salt Covered

Wetland Hydrology Indicators:
- Primary Indicators
- Secondary Indicators (2 or more required)
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained lenses
  - Local Soil Surface
  - Morphological Plant Adaptations
  - Other (Specify in Remarks)

Remarks:
- No hydrology observed.
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (size class)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. H. savat form - suave</td>
<td>H SS T V</td>
<td>N1</td>
<td>20 -</td>
</tr>
<tr>
<td>2. Bell lily</td>
<td>H SS T V</td>
<td>N1</td>
<td>20 -</td>
</tr>
<tr>
<td>3. Bell + allum</td>
<td>H SS T V</td>
<td>FAV -</td>
<td>5 -</td>
</tr>
<tr>
<td>4. Hoode hach</td>
<td>H SS T V</td>
<td>FAV -</td>
<td>10 -</td>
</tr>
<tr>
<td>5. Pilowus  sp.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>40 -</td>
</tr>
<tr>
<td>6. Palmyr</td>
<td>H SS T V</td>
<td>FAV</td>
<td>20 -</td>
</tr>
<tr>
<td>7. Yellow dorn</td>
<td>H SS T V</td>
<td>FAV</td>
<td>30 -</td>
</tr>
<tr>
<td>8. American beech</td>
<td>H SS T V</td>
<td>FAV</td>
<td>40 -</td>
</tr>
<tr>
<td>9.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>20 -</td>
</tr>
<tr>
<td>10.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>30 -</td>
</tr>
<tr>
<td>11.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>40 -</td>
</tr>
<tr>
<td>12.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>20 -</td>
</tr>
<tr>
<td>13.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>30 -</td>
</tr>
<tr>
<td>14.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>40 -</td>
</tr>
<tr>
<td>15.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>20 -</td>
</tr>
<tr>
<td>16.</td>
<td>H SS T V</td>
<td>FAV</td>
<td>30 -</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC <50%

Percent of Dominant Species GRL, FACW =

50/20 Rule Applied?

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is the Sampling Point Within a Wetland? Yes or No

Hydrologic Connectivity to Off-site Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number:
Project No: 2025  Appraiser: Roaring Brook Wind Power Project
Investigator: Pippin/Trembach

Do normal circumstances exist on site? Yes No
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

SOILS
Subgroup: (EdB) Empyreville silt loam
Depth Horizon Matrix color/Moisture content/consistence

Hydric Soil Indicators:

Landscape position:

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks)
No Recorded Data Available
Stream, Lake or Tidal Gauge
Aerial Photographs

Wetland Hydrology Indicators:

Secondary Indicators (2 or more required)

Remarks:

Field Observations

a/dr office files/format/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>#</th>
<th>Dominant Plant Species</th>
<th>Stratum (from top)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>sedges</td>
<td>S     S       S</td>
<td>FAC/OBL</td>
<td>80</td>
</tr>
<tr>
<td>2</td>
<td>Horsetail</td>
<td>T     T       T</td>
<td>FACW+</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>galapagos</td>
<td>H     S       S</td>
<td>FAC</td>
<td>60</td>
</tr>
<tr>
<td>4</td>
<td>sedges</td>
<td>S     S       T</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>5</td>
<td>******</td>
<td>S     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>sedges</td>
<td>T     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>sedges</td>
<td>S     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>sedges</td>
<td>T     S       T</td>
<td>FAC</td>
<td></td>
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<tr>
<td>9</td>
<td>sedges</td>
<td>S     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>sedges</td>
<td>T     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>sedges</td>
<td>S     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>sedges</td>
<td>T     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>sedges</td>
<td>S     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>sedges</td>
<td>T     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>sedges</td>
<td>S     S       T</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>sedges</td>
<td>T     S       T</td>
<td>FAC</td>
<td></td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC: 100%**

**Remarks:**

forest wetland with some emergent areas.

---

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

**Remarks:**

Herb. Inger is just beginning to show.

File Reference: District Form Routine Wetland Delineation.xls
DATA FORM
WOUTINE WETLAND DETERMINATION
1992 CEE Wetland Determination Manual

Project No: 07025
Applicant: Roaring Brook Wind Power Project
Investigator: Fippin/Trembath

DATA:
Das: 07/07
Town: Marcellus
County: Lewis
State: NY

Do rental conditions exist on site? Yes No
Is the site significantly disturbed? Yes No
Is the area a potential Problem Area? Yes No

SOILS
Series and Phase: (EdB)Emsleyville Story Loam
Not available

Subgroup: Depth Matrix color Media color/absence

<table>
<thead>
<tr>
<th>Depth</th>
<th>Matrix Color</th>
<th>Media Color/Absence</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>4-10</td>
<td>A 1096%</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Rock</td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
- Methods: [Conclusions]
- High Organic Content in Surface Layer of Sandy Soils
- Organic Staining of Sandy Soils
- Clayey or Low Chrome color

Landscape position: convex left undulating right

Remarks: A karst has some epigry characteristics.

HYDROLOGY
- Recorded Data (Check in Remarks)
  - No Recorded Data Available
  - Stream, Lake or Tide Gauge
  - Aerial Photographs

Field Observations
- Ground Surface Imeasured: inches
- Soil Infiltration: N/A
- Depth to Free Water: inches
- Depth to Saturation Soil: inches

Wetland Hydrology Indicators:
Primary indicators:
- Islands
- Spotted in upper 12 inches
- Dike Lines
- Organic Deposits
Secondary indicators (2 or more required):
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explained in Remarks)

Remarks: No wetland hydrology observed

8/26/92 office files/forms/Data Form Roune Wetland Determination.xls
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status (Stem type)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Red hops</td>
<td>H S/S T V</td>
<td>FAC/FACU</td>
<td>40</td>
</tr>
<tr>
<td>2. White lily</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>3. Goldenrod</td>
<td>H S/S T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>4. White oak</td>
<td>H S/S T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>5. Red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>6. Red maple seedlings</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>7. Yellow birch seedlings</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>8. Black cherry seedlings</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>9. Yellow birch</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>10. Red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>11. Red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>12. Red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>13. Red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>14. Red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>15. Red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>16. Red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBLS, FACW, FAC 71% 50/20 Rule Applied? Yes No

Remarks:

---

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydrophytic Vegetation Present? Yes or No

Hydratic Soils Present? Yes or No

Hydratic Soils Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Hydrologic Connectivity to Off-site Wetlands? Yes or No

Hydrologic Connectivity to Off-site Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remarks:

Not a wetland

Photo Reference Number:

Led office 6/5/31  Data Form: Routine Wetland Delineation 9-8
**DATA FORM ROUTINE WETLAND DETERMINATION**

**Project No:** 07025  **Applicant:** Reoing Brook Wind Power Project  **Date:** 1/15/98

**Investigator:** Purple/Trumbath  **Town:** 

**De position conditions exist on site?**  **Community:** 

- **No**  **Municipality:** 
- **Yes**  **Reed:** 

**Is the site significantly disturbed?**  **State:** 

- **Yes**  **NY:** 
- **No**  **Is the area a potential Problem Area?** 

- **Yes**  **UTM Grid Ref.:** 
- **No**  **WSP AQ:** 

---

### SOILS

**Series and Phase:** (EdB) Empywite story loam  **Soil Type:**  

**Subgroup:** Not available  **Geologic Class:** 

**Depth**  **Texture, Structure, Other:** 

<table>
<thead>
<tr>
<th>Depth</th>
<th>horizon</th>
<th>moisture</th>
<th>Media color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3</td>
<td>A</td>
<td>1018.7'</td>
<td>None</td>
<td>Organic muck</td>
</tr>
<tr>
<td>3+</td>
<td>B</td>
<td>1018.3'</td>
<td>1018.7'</td>
<td></td>
</tr>
</tbody>
</table>

**Hydro-Soil Indicators:**  

- **Progress:**  
- **Depth:**  
- **Organic and/or clay rich:**  
- **Plant Indicators:**  

**Landscape position:**  

- **conver:**  
- **convex:**  
- **concave:**  
- **undulating:**  
- **slipping:**  

**Approximate slope:** 

---

### HYDROLOGY

**Recorded Data (Specified in Remarks):**  

- **No Recorded Data Available:**  
- **Stream, Lake or Tide Gauge:**  
- **Aerial Photographs:**  

**Flag Observations:**  

- **Covered Surface Undrained:**  
- **Soil Saturated:**  

**Depth to Free Water:**  

**Depth to Saturated Soil:**  

**Secondary Indicators (2 or more required):**  

- **Oakland (Over Channel):**  
- **Water-Stained Leaves:**  
- **Other (Specify in Remarks):**  

**Remarks:** 

- **Hummocky, Bushy** 

---

file://c:/edcoffice/rtiformal/daform Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>N.</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>bellflower</td>
<td>1</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>oak</td>
<td>2</td>
<td>OBL</td>
<td>15</td>
</tr>
<tr>
<td>cedars</td>
<td>3</td>
<td>FACW/DSC</td>
<td>10</td>
</tr>
<tr>
<td>red maple</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>red maple</td>
<td>5</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>sassafras</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>sassafras</td>
<td>7</td>
<td>FAC</td>
<td></td>
</tr>
<tr>
<td>sassafras</td>
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<td></td>
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</tr>
<tr>
<td>sassafras</td>
<td>16</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%
Percent of Dominant Species OBL, FACW: 33%

50/20 Rate Applied? ☑

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrology 1,000 ft 2,000 ft to Off-site Wetlands?</td>
<td>Yes or No</td>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Remarks: N/A

Photo Reference Number: 1008728732
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Project No.</td>
<td>07235</td>
</tr>
<tr>
<td>Applicant</td>
<td>Rosario Break Wind Power Project</td>
</tr>
<tr>
<td>Investigator</td>
<td>Pippin/Tremblay</td>
</tr>
<tr>
<td>Date</td>
<td>5/1/08</td>
</tr>
<tr>
<td>Town</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County</td>
<td>Lewis</td>
</tr>
<tr>
<td>State</td>
<td>NY</td>
</tr>
<tr>
<td>Community</td>
<td>NDF</td>
</tr>
<tr>
<td>Transmittal Flag ID</td>
<td>wetland QQA</td>
</tr>
<tr>
<td>Plot ID</td>
<td>USP GAC</td>
</tr>
</tbody>
</table>

**SOILS**

Series and Phase: (EdB) Empoeville Story loam

<table>
<thead>
<tr>
<th>Depth</th>
<th>Hydric Soil Indicators</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
- Histosol
- High Organic Content in Surface Layer
- Organic Soils

Organic Muck

Rocks/Impermeable

Drainage Class: WD MD SP PD VPS

**HYDROLOGY**

- Recorded Data (Describe in Remarks)
- No Recorded Data Available
- Swamps, Lake or Tide Usage
- Astral Photographs

Field Observations:
- Ground Surface Inundated: __ inches.
- Soil Saturated: __ inches.
- Depth to Free Water: __ inches.
- Depth to Saturated Soil: __ inches.

Wetland Hydrology Indicators:
- Riparian Inundation
- Inundated
- Submerged in upper 12 inches
- Water Stains
- Water Stains
- Deposit
- Sediment Deposit
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**
- No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Symmetry (odd/even)</th>
<th>Symmetry (odd/even)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trout lily</td>
<td>H SS T V</td>
<td>N/1</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Club moss</td>
<td>H SS T V</td>
<td>FACW</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
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</tr>
<tr>
<td>Striped maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>80</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 67%

50/20 Rule Applied? Yes

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes
- Hydric Soils Present? No
- Wetland Hydrology Present? Yes
- Is this Sampling Point Within a Wetland? Yes
- Hydrologic Connectivity to Off-site Wetlands? Yes
- Is this Wetland Potentially Isolated? No

Remarks:

Photo Reference Number: 20120
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

1987 COIL Wetlands Determination Manual

---

**Project No.:** 0726  
**Applicant:** Bearing Brook Wind Power Project

**Investigator:** Pippin/Trentham

**Location:**  
**Date:** 5/15/88  
**Town:** Marcellus  
**County:** Lewis  
**State:** NY

**Maps:**  
**Community:** 
**Transmit Flag ID:** Wetland  
**Plot ID:** WSP-RK

---

**SOILS**

**Series and Phase:** Not mapped

**Subgroup:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Material color</th>
<th>Material color/abundance</th>
<th>Terrestrial, Structural, Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>D</td>
<td>1078</td>
<td>1078</td>
<td>Organic, Other</td>
</tr>
<tr>
<td>2-10</td>
<td>A</td>
<td>1078/4</td>
<td>None</td>
<td>Silt loam</td>
</tr>
<tr>
<td>10+</td>
<td>B</td>
<td>1078/4</td>
<td>1078/4</td>
<td>Sandy loam</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Light:**
  - High Org. Content in Surface Layer of Sandy Soils
  - Organic Soils in Sandy Soil
  - Oxidized or Low Oxygen Soil

**Landform position:**

- Condo =
- Forest =
- Underutilizing =

**Remarks:**

---

**HYDROLOGY**

**Field Observations:**

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
  - Stream, Lake, or Tidal Gauge
  - Aerial Photographs

- **Depth to Free Water:** inches
- ** Depth to Saturated Soil:** inches

**Wetland Hydrology Indicators:**

- **Primary Indicator:**
  - Inundated
  - Sediment Deposits

- **Secondary Indicator (2 or more required):**
  - Oxidized Root Channels in upper 12 inches
  - Water Stained Leaves
  - Local Soil Survey
  - Morphological Plant Associations
  - Other (Explain in Remarks)

**Remarks:**

---

sedr office file forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (w/e = wet)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 sedges</td>
<td>5 SS T V</td>
<td>FACW/084</td>
<td>55</td>
</tr>
<tr>
<td>2 willow</td>
<td>5 SS T V</td>
<td>FACW/084</td>
<td>100</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW **100%**  
Percent of Dominant Species OBL, FACW **100%**

50/20 Rule Applied? **Yes**

Remarks:

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? **Yes** or **No**

Hydric Soils Present? **Yes** or **No**

Wetland Hydrology Present? **Yes** or **No**

Hydric or Wetland Connected to Off-Site Wetlands? **Yes** or **No**

In this Sampling Point Within a Vegetation? **Yes** or **No**

Is this Wetland Potentially Isolated? **Yes** or **No**

Remarks:

Photo Reference Number:
DATA FORM
ROUTING WETLAND DETERMINATION
1.0" CDE Wetland delineation Manual

Project No: 07225  Appraiser: Hawing Brook Wind Power Project  Date: 10/16/07
Investigator: Pippin/Tremblad  Town: Herkimer

1) Do normal circumstances exist on site?  Yes/No
   Community: NOE

2) Is the site significantly disturbed?  Yes/No
   Transect/Flag ID: WTEand 444

3) Is the area a potential Problem Area?  Yes/No
   Plot ID: USP-203

SOILS
Series and Phase: Not mapped
Drainage Class: WDB NWDB FD FD VPD

Subgroup:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix texture/consistence</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1</td>
<td>D</td>
<td>1076 41</td>
<td>None</td>
</tr>
<tr>
<td>1-2</td>
<td>A</td>
<td>1398 41</td>
<td>None</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>Rock</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soil Indicator</td>
<td>Concretion</td>
</tr>
<tr>
<td>Bottom Elevation</td>
<td>High Org. Content in Surface Layer of Sandy Soil</td>
</tr>
<tr>
<td>Subsoil</td>
<td>Organic Stroking in Sandy Soil</td>
</tr>
<tr>
<td>Reducing Conditions</td>
<td>Glycol or Low Chroma color</td>
</tr>
</tbody>
</table>

Hydric Landscape Position:

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concave</td>
<td>Storing Y</td>
</tr>
<tr>
<td>Carve</td>
<td>Approx. slope 3.5'</td>
</tr>
<tr>
<td>Flat</td>
<td>Unstoring</td>
</tr>
</tbody>
</table>

Remarks: No hydric soils noted.

HYDROLOGY

Recorded Data (Describe in Remarks):

<table>
<thead>
<tr>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Surface Slope: 2%</td>
</tr>
<tr>
<td>Soil Substrate: Sand</td>
</tr>
</tbody>
</table>

Wetland Hydrology Indicators:

<table>
<thead>
<tr>
<th>Primary Indicator</th>
<th>Secondary Indicator (2 or more required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inundated</td>
<td>Water Stained leaves</td>
</tr>
<tr>
<td>Sediment Deposition</td>
<td>Water-Statused Leaves</td>
</tr>
</tbody>
</table>

Remarks: No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum: (x=woody)</th>
<th>Dominant Plant Species:</th>
<th>Indicators:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>red maple</td>
<td>FAC</td>
<td>95</td>
</tr>
<tr>
<td>2</td>
<td>red maple</td>
<td>FAC</td>
<td>70</td>
</tr>
<tr>
<td>3</td>
<td>black cherry</td>
<td>FAC/FACU</td>
<td>50</td>
</tr>
<tr>
<td>4</td>
<td>goldthread</td>
<td>FAC/FACU</td>
<td>35</td>
</tr>
<tr>
<td>5</td>
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<tr>
<td>16</td>
<td></td>
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</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No: Yes
- **Hydraulic Status Present?** Yes or No: Yes
- **Wetland Hydrology Present?** Yes or No: Yes
- **Hydrologic Connectivity to Off-site Wetlands?** Yes or No: Yes
- **Is this Sampling Point Within a Wetland?** Yes or No: Yes
- **Is this Wetland Potentially Isolated?** Yes or No: Yes

**Remarks:**

**Photo Reference Number:**

*For office files mine: Data Form Routine Wetland Delineation.xls*
Project No: 07025  Applicant: Roaring Brook Wind Power Project
Investigator: Stjepan/Schwabendanner
Date: 1/13/08
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site?
\[ \begin{array}{ll}
Yes & No \\
\end{array} \]
Community: Pen

Is the site significantly disturbed?
\[ \begin{array}{ll}
Yes & No \\
\end{array} \]
Transport/Flag ID: U1 U5

Is there a potential Problem Area?
\[ \begin{array}{ll}
Yes & No \\
\end{array} \]
Plot ID: U6 U10

SOILS

Series and Phase: EdB Elmwood String Loan

Subgroup: not available

Depth 0-3 9 3+9

Matrix color: 1W 1 bi color

Matrix color abundance: none

Texture, Structure, Other: Mickey Loan

Hydrlic Soil Indicators: Organic Matter

Consist: Listed on Local Hydric Soil List

List: Listed as Potential for Hydric Indicators Only

Other: (Explanation Required)

Aquic Moisture Regime

Landuse position:0

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available

Strteam, Lake or Tide Gauge

Aerial Photographs

Fluvial Conservation

Ground Surface Undulation: 0°8" inches.

Soil Surrounded

Depth to Free Water: inches.

Depth to Saturated Soil: inches.

Wetland Hydrology Indicators:

Primary Indicator:

\[ \begin{array}{ll}
\text{Inundated} & \text{Exposed to upper 12 inches} \\
\text{Drift Line} & \text{Sediment Depots} \\
& \text{Drainage Patterns in Wetland} \\
\end{array} \]

Secondary Indicator (2 or more required): Oxbow Lake Channels in upper 12 inches

Water Stained Lakes

Local Salt Survey

Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks:
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (date in col)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Maple</td>
<td>H Y T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Soft Maple</td>
<td>H S T V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>Swamp White Oak</td>
<td>B S T V</td>
<td>FACW/08/1</td>
<td>60</td>
</tr>
<tr>
<td>Wetland Country</td>
<td>H S T V</td>
<td></td>
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<td>H S T V</td>
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<tr>
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<td>H S T V</td>
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<tr>
<td></td>
<td>H S T V</td>
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<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBIL, FACW, FAC: 100%
Percent of Dominant Species OBIL, FACW: 75%

50/50 Rule Applied? **No**

Remarks:

### WETLAND DETERMINATION

- **Yes or No**
  - Hydrophytic Vegetation Present?
  - Wetland Hydrology Present?
  - Hydrologic Connectivity to Off-site Wetlands?

- **Yes or No**
  - Hydric Soils Present?
  - Is this Sampling Point Within a Wetland?
  - Is the Wetland Potentially Isolated?

Remarks:

Photo Reference Number:

s:\ledr office files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1987 COE Wetland Determination Manual**

**Project No:** 07025  
**Applicant:** Roaring Brook Wind Power Project  
**Investigator:** Stebbins/Schwabenbauer

---

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
<th>WD</th>
<th>WD</th>
<th>PD</th>
<th>VPD</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Eds) Empsagille</td>
<td>Stony Loam</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Subgroup:** not available

**Depth**

- **0-2"**
  - Horizon: 0
  - Matrix color: Organic
  - Matrix color/abundance: Organic
  - Texture, Structure, Other: Organic
  - ConfirmMapped Type: Yes

**Hydro Soil Indicators:**

- **Horizons:**
- **Matrix Epipodite:**
- **Sulfide Odor:**
- **Reducing Conditions:**

**Landscape position:** concave, convex, sloping

**Approximate slope:**

---

**HYDROLOGY**

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

**Field Observations:**

- Ground Surface Inundated: ___ inches.
- Sediment:
- Depth to Free Water: ___ inches.
- Depth to Saturated Soils: ___ inches.

**Wetland Hydrology Indicators:**

**Primary Indicators:**

- Inundated
- Saturated in upper 12 inches
- Water Mark
- Drift Lines
- Sediment Deposits

**Secondary Indicators (2 or more required):**

- Oxidized Root Channels in upper 12 inches
- Water-Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remark:**

- No water

[Signature: J. M. Martin]
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum: (from top)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FACU</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>FAC</td>
<td>20</td>
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<tr>
<td>3</td>
<td>FACU</td>
<td>60</td>
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<tr>
<td>7</td>
<td>NI</td>
<td>50</td>
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<td></td>
<td></td>
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<tr>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: \(25\%\)

50/20 Rule Applied? Yes No

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soil Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Hydrologic Connectivity to Other Wetlands?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Is this Wetland Potentially Isolated?** Yes or No

Remarks:

Photo Reference Number: 

s:\edr\office files\formalData Form Routine Wetland Delineation.xlsx
### PROJECT INFORMATION

- **Project No:** 872225
- **Applicant:** Hawking Brook Wind Power Project
- **Date:** 5/13/08
- **Town:** Marcellus
- **County:** Lewis
- **State:** NY
- **Investigator:** Stebbins/Schwallacher

### SOILS

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>EDES</em> Emepsonville Story loam</td>
<td>WD</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Mottle Color/Abundance</th>
<th>Texture, Structure, Other</th>
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</thead>
<tbody>
<tr>
<td><em>Not Available</em></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydric Soil Indicators</th>
<th>Concentration</th>
<th>Limited on Local Hydric Soils List</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Elevated</em></td>
<td><em>High Org. Content in Surface Layer of Sandy Soils</em></td>
<td><em>Listed in Potential for Hydric Soils Only</em></td>
</tr>
<tr>
<td><em>Surface</em></td>
<td><em>Organic Streaking in Sandy Soils</em></td>
<td><em>Other (Explain in Remarks)</em></td>
</tr>
<tr>
<td><em>Reducing Conditions</em></td>
<td><em>Grayed or Low Chroma color</em></td>
<td><em>Aquatic Moisture Regime</em></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landscape Position</th>
<th>Concave</th>
<th>Convex</th>
<th>Stepping</th>
<th>Approximate Slope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat</td>
<td>Undulating</td>
<td></td>
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</tr>
</tbody>
</table>

**Remarks:**

- Soils inundated up to 18"

### HYDROLOGY

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>Field Observations</th>
<th>Wetland Hydrology Indicators</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>No Recorded Data Available</em></td>
<td>Ground Surface Inundated: 0-18&quot; 0&quot;</td>
<td>Inundated: 0-18&quot;</td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td>Soil saturated.</td>
<td>Saturated in upper 12 inches.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators</th>
<th>Secondary/indicators (2 or more required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inundated: 0-18&quot;</td>
<td>Outflooded Root Channels in upper 12 inches</td>
</tr>
<tr>
<td>Saturated in upper 12 inches.</td>
<td>Water-Logged leaves</td>
</tr>
<tr>
<td>Water Marks</td>
<td>Local Soil Survey</td>
</tr>
<tr>
<td>Drift Lines</td>
<td>Morphological Plant Adaptations</td>
</tr>
<tr>
<td>Sediment Deposits</td>
<td>Other (Explain in Remarks)</td>
</tr>
</tbody>
</table>

| Drainage Patterns in Wetland |
|-----------------------------|--------------------------|
|                           |                           |

**Remarks:**

- e:tdr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plot</th>
<th>Dominate Plant Species</th>
<th>S (SS)</th>
<th>T</th>
<th>V</th>
<th>% Cover</th>
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<tbody>
<tr>
<td>1</td>
<td>Sphagnum</td>
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<td></td>
<td></td>
<td>50</td>
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<td>16</td>
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</tr>
</tbody>
</table>

Percent of Dominant Species: 100%

**Remarks:** Vernal pool ringed Sphagnum

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

**Remarks:**

Photo Reference Number:

1:sedr office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTE WETLAND DETERMINATION
1997 COB Wetland Determination Manual

Project No: 07025 Applicant: Nortlip Brook Wind Power Project
Investigator: Neehain/Sechenshauer
Date: 5/13/94
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

SOILS
Series and Phase: Erpelloe Slope
Subgroup: not available

Depth/ Horizon: 0.2-6.0
Texture, Structure, Other: Organic clay
Hydric Soil Indicators: No

REMARKS:
No hydric indicators

HYDROLOGY
Recorded Data (Describe in Remarks): No Recorded Data Available
Vaneous, Lake or Tide Gauge: Not noted
Aerial Photographs: Not noted

Field Observations: Ground Surface Imbusiness inches.

Depth to Free Water: inches.

Depth to Saturated Soils: inches.

Wetland Hydrology Indicators: Inundated
Secondary Indicators (2 or more required): Oxidized Root Channels in upper 12 inches

REMARKS: No wetland hydrology
VEGETATION

<table>
<thead>
<tr>
<th>Number</th>
<th>Species</th>
<th>Status: (HD TV)</th>
<th>Indicator: FAC</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>beech</td>
<td>H SS V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>2</td>
<td>wild maple</td>
<td>H SS V</td>
<td>FAC</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>H SS T V</td>
<td></td>
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<td>4</td>
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<td>H SS T V</td>
<td></td>
<td></td>
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<td>5</td>
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<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
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<tr>
<td>6</td>
<td>hobble-bush</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>7</td>
<td>cypress-needles</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>8</td>
<td>yellow birch</td>
<td>H SS T V</td>
<td></td>
<td></td>
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<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>O SS T V</td>
<td>FAC-</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>12</td>
<td>spruce-queen</td>
<td>H SS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>13</td>
<td>spruce-queen</td>
<td>H SS T V</td>
<td>NI</td>
<td>40</td>
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<td>H SS T V</td>
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<tr>
<td>16</td>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 29%
Percent of Dominant Species OBL, FACW: 0%

WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrophytic Vegetation Present?</td>
<td></td>
</tr>
<tr>
<td>Wetland Hydricity Present?</td>
<td></td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td></td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td></td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:

S:\edr office files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1997 CER Wetland Determination Sheet**

<table>
<thead>
<tr>
<th>Project No.</th>
<th>07025</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Roaring Brook Wind Power Project</td>
</tr>
<tr>
<td>Investigate</td>
<td>Steblin/Schwanbauer</td>
</tr>
<tr>
<td>Date</td>
<td>5/13/02</td>
</tr>
<tr>
<td>Town</td>
<td>Martinsburg</td>
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<tr>
<td>County</td>
<td>Lewis</td>
</tr>
<tr>
<td>State</td>
<td>NY</td>
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</table>

**SOILS**

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matt color</th>
<th>Matt color/abundance</th>
<th>Texture Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-6&quot;</td>
<td>A/0</td>
<td>100%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6&quot;+</td>
<td>B/1</td>
<td>100%</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

**Hydro Soil Indicators:**
- Permeability: 100%
- Organic Staining in Sandy Soils: 100%
- Clayed or Low Chroma color: 100%

**Landscape Positions:**
- Concave
- Convex
- Flat
- Undulating

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**
- Upward Flow Site Available
- Shore, Lake, or Tidal Change
- Artifical Photographs

**Field Observations:**
- Drainage Surface Drained 0-3 inches.
- Soil Saturated.
- Depth to Free Water: 20 inches.
- Depth to Saturated Soil: 20 inches.

**Wetland Hydrology Indicators:**
- Primary Indicators:
  - Transient
  - Saturated in upper 2 inches.
  - Water Marks
  - Drift Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

**Secondary Indicators (2 or more required):**
- Oxidized Root Channels in upper 12 inches
- Wasted-Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations

**Remarks:**

- Small pools standing water
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (each use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow birch</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>black spruce</td>
<td>H S/S T V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>marsh marigold</td>
<td>H S/S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>willow</td>
<td>H S/S T V</td>
<td>FACW/0BL</td>
<td>40</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **75%**

### WETLAND DETERMINATION

Hydric Soils Present? **Yes or No**

Hydric Soils Present? **Yes or No**

Is this Sampling Point Within a Wetland? **Yes or No**

Hydrologic Connectivity to Off-site Wetlands? **Yes or No**

Is this Wetland Potentially Isolated? **Yes or No**

Remarks:

---

5/13/08
DATA FORM
ROUTE WETLAND DETERMINATION
1997 CER Wetland Delinination Manual

Project No: 07025
Applicant: Roaring Brook Wind Power Project

Investigator: Stelkens/Schwanke/Seaber

Date: 5/3/08
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? No
Is the area a potential Problem Area? Yes

SOILS
Series and Phase: (Lab) Emporius Story loan
Subgroup: Not Available

Depth

Texture, Structure, Other

Hydric Soil Indicators:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture</td>
<td></td>
</tr>
<tr>
<td>High Org. Content</td>
<td>Organic Steaking in Sandy Soils</td>
</tr>
<tr>
<td>Clayey or Low Chroma Color</td>
<td></td>
</tr>
</tbody>
</table>

Landscape position:

- Concave
- Convex
- Flat
- Upland

Remarks:

No hydric indicators

HYDROLOGY

Recorded Data (Describe in Remarks):

- No Recorded Data Available
- Stream, Lake, or Tidal Gauging
- Aerial Photographs

Field Observations:

- No Surface dried
- Soil Saturated

Depth to Free Water:

- inches

Depth to Saturation:

- inches

Wetland Hydrology Indicators:

Primary Indicators:

- Inundated
- Saturated to upper 12 inches
- Water Marks
- Ditch Lines
- Sediment Deposits
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):

- Orffed Root Channels
- Water Stained leaves
- Land Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

No wetland hydrology

s:\adr office files\forms\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (xvcm)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Yellow balm</td>
<td>H SS O V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>2 White oak</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>3 Black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>4 Black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>5 Trout lily</td>
<td>H SS T V</td>
<td>NI</td>
<td>20</td>
</tr>
<tr>
<td>6 Boat ground fern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 14%

Percent of Dominant Species OBL, FACW, FAC: 2%

50/50 Rule Applied? No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number: s:\ldr office files\forms\Data Form Routine Wetland Determination.xls
DATA FORM
ROUTE WETLAND DETERMINATION
1987 COE Wetlands Definition Manual

Project No: 07028  Applicant: Hoisting Brook Wind Power Project  Date: 9/10/89
Investigator: Stebbins/Schwenkauer  Town: Martinusburg

Do normal circumstances exist on site? [ ] No  Community: 049
Is the site significantly disturbed? [ ] Yes  Tenant/Flag ID: ZY8 - 26
Is the site a potential Problem Area? [ ] Yes  Plot ID: ZY8 - 10 - WE

SOILS
Series and Phase: WESTBURY STORY LOAM  Drainage Class: WD MD WD PD PD PD
Subgroup: not available  Confirm Mapped Type: [ ] Yes

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix - Vegetation/Abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1&quot;</td>
<td>0</td>
<td>None</td>
<td>organic muck</td>
<td></td>
</tr>
<tr>
<td>1-2&quot;</td>
<td>A</td>
<td>none</td>
<td>silty clay</td>
<td></td>
</tr>
<tr>
<td>2-7&quot;</td>
<td>7&quot;</td>
<td>rocky layer</td>
<td>rejects angle</td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
[ ] Inundation
[ ] High Organic Content in Surface Layer of Sandy Soils
[ ] Organic Streaking in Sandy Soils
[ ] Grayed or Low Chroma color

Landscape position: [ ] cave/sinkhole  [ ] flat  [ ] undulating  [ ] sloping  Approximate slope:

Remarks: First few soil pits were organic + rocky layer

HYDROLOGY
Recorded Data (Describe in Remarks):
No Recorded Data Available
Stream, Lake or Tidal Gauge
Aerial Photographs
Pilgr Observations

[ ] Ground Surface Inundated 0-6" inches.
Soil Inundated

Depth to Free Water 0" inches.
Depth to Saturation 0" inches.

Wetland Hydrology Indicators:
Primary Indicators:
[ ] Inundated
[ ] Saturation in upper 12 inches.
[ ] Water Marks
[ ] Drain Lines
[ ] Sediment Deposits
[ ] Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
[ ] Oxidized Root Channels in upper 12 inches
[ ] Water-Shafted Inlets
[ ] Morphological Plant Adaptations
[ ] Other (Explain in Remarks)
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (From-End)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Baobab fir</td>
<td>H SS G V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>2 Red Gum</td>
<td>H SS G V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>3 Red Maple</td>
<td>H SS G V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>4 Yellow Birch</td>
<td>H SS G V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>5 Meadow Sweet</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>6 Red Maple</td>
<td>H SS T V</td>
<td>FACV</td>
<td>20</td>
</tr>
<tr>
<td>7 Northern Sunflower</td>
<td>H SS G V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>8 Sassafras</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>9 Conifer</td>
<td>H SS G V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>10 Marsh Hickory</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>11 Swamp Dogwood</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>12 Swamp Care</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>13 Spruce</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>14 White Pine</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>15 Red Maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>16 Northern Sunflower</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW. FAC 100%**

50/20 Rule Applied? Yes No

Percent of Dominant Species OBL, FACW 50%

**REMARKS:**

**WETLAND DETERMINATION**

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No
- Hydrologic Connectivity to Off-site Wetlands? Yes or No
- Is this Wetland Potentially Isolated? Yes or No

**REMARKS:**

Photo Reference Number:
<table>
<thead>
<tr>
<th>Project No:</th>
<th>07425</th>
<th>Applicant: Roaring Brook Wind Power Project</th>
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</thead>
<tbody>
<tr>
<td>Investigator:</td>
<td>Sebbeln/Schwabenbauer</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td>5/12/08</td>
<td></td>
</tr>
<tr>
<td>Town:</td>
<td>Marcellus</td>
<td></td>
</tr>
<tr>
<td>County:</td>
<td>Lewis</td>
<td></td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
<td></td>
</tr>
</tbody>
</table>

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>(wbE) Westley Story loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td>not available</td>
</tr>
<tr>
<td>Depth</td>
<td>0-6</td>
</tr>
<tr>
<td>Horizon</td>
<td>0</td>
</tr>
<tr>
<td>Matrix color</td>
<td>None</td>
</tr>
<tr>
<td>Moisture / Water Content</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- High Organic Content in Surface Layer of Sandy Soils
- Organic Matting in Sandy Soils
- Oxidation Reduction Potentials
- Clayey or Low Chromium color
- Hydric Influence: 
  - Hydric Influence:
  - Shoal Impact: 
  - Organic Matter Influence:
  - Wetland Influence:
  - Clayey or Low Chromium color

**Remarks:**

- No hydric indicators

**HYDROLOGY**

- Recorded Data (Describe in Remarks)
- No Recorded Data Available
- Inundated
- Saturated in upper 12 inches
- Water Marks
- Ditch Lines
- Sediment Deposits
- Drainage Patterns in Wetland

- Field Observations
  - Ground Surface Inundated: 0 inches
  - Soil Saturated: 0 inches
  - Depth to Free Water: 0 inches
  - Depth to Satuated Soil: 0 inches

- Wetland Hydrology Indicators:
  - Primary Indicators
    - Inundated
    - Saturated in upper 12 inches
    - Water Marks
    - Ditch Lines
    - Sediment Deposits
    - Drainage Patterns in Wetland
  - Secondary Indicators (2 or more required)
    - Outlet X30 Channels in upper 12 inches
    - Water-Streamed Leaves
    - Local Soil Survey
    - Morphological Plant Adaptations
    - Other (Explain in Remarks)

**Remarks:**

- No wetland hydrology
Vegetation

Dominant Plant Species:  
1. Red Maple  
2. Yellow Birch  
3. Paper Birch  
4. Beech  
5.  
6. Red Maple  
7. Birch  
8. Black Cherry  
9.  
10.  
11. Trout Lily  
12. Red Wood Fern  
13. Canada Mayflower  
14. Grassy Club Mosses  
15.  
16.  

Percentage of Dominant Species OBL, FAC: 10%  
Percentage of Dominant Species OBL, FAC: 70%  

Wetland Determination

Hydrophytic Vegetation Present? Yes or No  
Yes  
No  
Hydric Soils Present? Yes or No  
Yes  
No  
Hydric Soil Hydrology Present? Yes or No  
Yes  
No  
Is this Sampling Point within a Wetland? Yes or No  
Yes  
No  
Is this Wetland Potentially Isolated? Yes or No  
Yes  
No  

Remarks:
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status (on-site)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 red clover (grass)</td>
<td>S/S T/V</td>
<td>FACW</td>
<td>90</td>
</tr>
<tr>
<td>2 willow 1st year</td>
<td>S/S T/V</td>
<td>FACW/08C</td>
<td>5</td>
</tr>
<tr>
<td>3 late goldenrod (just starting)</td>
<td>H S/S T/V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>4 speckled alder</td>
<td>H S/S T/V</td>
<td>FACW</td>
<td>35</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
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<td></td>
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<tr>
<td>13</td>
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<td>14</td>
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<td></td>
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<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBI, FACW, FAC: 100%

Percent of Dominant Species OBI, FACW: 100%

50/20 Rule Applied? No

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes No

Hydraulic Soils Present? Yes No

Is the Sampling Point Within a Wetland? Yes No

Hydrologic Connectivity to Off-site Wetlands? Yes No

Is this Wetland Potentially Linked? Yes No

Remarks:

Lied at 8675 Form Data Form Route Wetland Delineation.xls
HYDROLOGY

Recorded Data (Describe in Remarks)

[ ] No Recorded Data Available
[ ] Stream, Lake or Tidal Gauge
[ ] Aerial Photographs

Field Observations

Ground Surface Inundated __ inches
Soil Saturated __

Depth to Free Water __ inches
Depth to Saturated Soil __ inches

Wetland Hydrology Indicators:

Primary Indicators

[ ] Inundated
[ ] Saturated in upper 12 inches
[ ] Water bodies
[ ] Drift lines
[ ] Sediment deposits

Secondary Indicators (2 or more required)

[ ] Oxidized Root Channels in upper 12 inches
[ ] Water-stained leaves
[ ] Local Sed Survey
[ ] Morphological plant adaptations
[ ] Other (Explain in Remarks)

Remarks:

No wetland hydrology noted.
## VEGETATION

<table>
<thead>
<tr>
<th>No.</th>
<th>Dominant Plant Species</th>
<th>Stratum (top to bottom)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>60</td>
</tr>
<tr>
<td>2</td>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>3</td>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>35</td>
</tr>
<tr>
<td>4</td>
<td>black cherry</td>
<td>H SS T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>5</td>
<td>black cherry</td>
<td>H SS T V</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td>black cherry</td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>7</td>
<td>black cherry</td>
<td>H SS T V</td>
<td>FACW</td>
<td>60</td>
</tr>
<tr>
<td>8</td>
<td>black cherry</td>
<td>H SS T V</td>
<td>FACW</td>
<td>75%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW: 75%

Remarks:

---

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydric Soil Present? Yes or No
Wetland Hydrology Present? Yes or No
Hydrologic Connectivity to Offsite Wetlands? Yes or No
Is the Sampling Point Within a Wetland? Yes or No
Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number:
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**


<table>
<thead>
<tr>
<th>Project No:</th>
<th>07625</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant:</td>
<td>Roaring Brook Wind Power Project</td>
</tr>
<tr>
<td>Investigator:</td>
<td>Pippin/Trentham</td>
</tr>
<tr>
<td>Date:</td>
<td>5/15/08</td>
</tr>
<tr>
<td>Town:</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County:</td>
<td>Lewis</td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
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</tbody>
</table>

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**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>Not mapped</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td>0-6</td>
</tr>
<tr>
<td>Horizon:</td>
<td>A</td>
</tr>
<tr>
<td>Matrix color:</td>
<td>Brownish Red</td>
</tr>
<tr>
<td>Matrix color/bandance:</td>
<td>None</td>
</tr>
<tr>
<td>Terrain, Slope, Other:</td>
<td>Organic mud</td>
</tr>
<tr>
<td>Hydric Soil Indicators:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Landscape position:</td>
<td>convex</td>
</tr>
<tr>
<td></td>
<td>flat</td>
</tr>
<tr>
<td>Remark:</td>
<td></td>
</tr>
</tbody>
</table>

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**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks):</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available:</td>
<td></td>
</tr>
<tr>
<td>Streets, Lake or Tide Gauge:</td>
<td></td>
</tr>
<tr>
<td>Aerial Photographs:</td>
<td></td>
</tr>
<tr>
<td>Wetland Hydrology Indicators:</td>
<td></td>
</tr>
<tr>
<td>Primary Indicators:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td>Field Observations:</td>
<td></td>
</tr>
<tr>
<td>Ground Surface Vegetation:</td>
<td></td>
</tr>
<tr>
<td>Soil Surface:</td>
<td></td>
</tr>
<tr>
<td>Depth to Free Water:</td>
<td>1/2 inch</td>
</tr>
<tr>
<td>Depth to Saturated Soil:</td>
<td>0 inch</td>
</tr>
<tr>
<td>Secondary Indicators (2 or more required):</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Remark:</td>
<td>Homestead</td>
</tr>
</tbody>
</table>

---

s:ledr office files/forms/10 Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Cane Grass</td>
<td>SS T V</td>
<td>FACW</td>
<td>95%</td>
</tr>
<tr>
<td>Liatris Goldm.</td>
<td>SS T V</td>
<td>FACW</td>
<td>6%</td>
</tr>
<tr>
<td>Spotted Alder</td>
<td>SS T V</td>
<td>FACW</td>
<td>25%</td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td></td>
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<td>SS T V</td>
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<td>SS T V</td>
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<tr>
<td></td>
<td>SS T V</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC 100%

50/50 Rule Applied?  Yes

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Hydrologic Soils Present?</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Is this Wetland Potentially Isolated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
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</tbody>
</table>

Remarks:
DATA FORM
ROUTE WETLAND DETERMINATION
1997 COE Wetlands Identification Manual

Project No: 0725  
Appraiser: Roaring Brook Wind Power Project  
Investigator: Niments/Tremblay  
Date: 5/15/08  
Type:  
Community: NDF  
County: Lewis  
Date: NY  
Transmit/Flag ID: Wetland 4E  
Plot ID: U94 - 4E

SOILS
Series and Phase: NOT MAPPED  
Intrasite Class: WD MWD SPD PD VPD  
Subgroup:  
Confirmed Mapped Type: Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Matrix Color/Abundance</th>
<th>Textural Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3</td>
<td>A</td>
<td>10k2/6</td>
<td>None</td>
<td>Silt loam</td>
</tr>
<tr>
<td>3-10</td>
<td>B</td>
<td>10k8/4</td>
<td>None</td>
<td>Silt loam</td>
</tr>
<tr>
<td>10+</td>
<td></td>
<td></td>
<td>rocky/impermeable</td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
- Methods:  
- Mean Piezometric Head (m):  
- Sulphur Oxidation Enhanced?: 
- Reducing Conditions:  
- Landscape position: concave, convex, flat, undulating
- Cropped, Spotted, Inundated
- Map Checker's Evaluation:  
- Approximate slope:
- Listed on Local Hydric Soil List
- Listed as Potential for Hydric Indications Only
- Listed in Participating Report
- Aquifer Moisture Regime
- Other (Specify in Remarks)

Remarks: No hydric soils noted.

HYDROLOGY

Recorded Data (Describe in Remarks):
- No Recorded Data Available
- Aerial Photographs

Field Observations:
- Ground Surface Inundated inches.
- Soil Saturation
- Depth to Per Water inches
- Depth to Saturated Soils inches

Secondary Indicating (Q or more required):
- Cropped Root Channels in upper 12 inches
- Water-Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Specify in Remarks)

Remarks: No wetland hydrology noted.
## VEGETATION

<table>
<thead>
<tr>
<th>Rank</th>
<th>Plant Species</th>
<th>Stratum (sideacea)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>yellow birch</td>
<td>H SS 5 V</td>
<td>FAC</td>
<td>80</td>
</tr>
<tr>
<td>2</td>
<td>narrow leaf</td>
<td>H SS 5 V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>yellow birch</td>
<td>H SS 5 V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>4</td>
<td>narrow leaf</td>
<td>H SS 5 V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>5</td>
<td>trut lily</td>
<td>H SS 5 V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>6</td>
<td>club moss</td>
<td>H SS 5 V</td>
<td>FAC</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species: ORL, FACW, FAC: 60%

50/20 Rule Applied? Yes No

Remarks:

## WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes No
- Hydric Soils Present? Yes No
- Wetland Hydrology Present? Yes No
- Is this Sampling Point Within a Wetland? Yes No
- Is this Wetland Potentially Isolated? Yes No

Remarks:

Photo Reference Number:

[Link to office form for wetland delineation]
SOILS

Series and Phase: Not Mapped

Subgroup: Cdom

Depth horizon Matrix color Matrix color/abundance
0 - 1 0 - Natural

Hydraulic indicators:

Lundon
High organic content in surface layer of sandy soils
Organic Streaking in sandy soils
Graded or low clays soil

Landscape position:

Remarks:

HYDROLOGY

Recorded Data (Document in Remarks)

No Recorded Data Available

Aerial Photography

Wetland Hydrology Indicators:

Primary indicators:

X Inundated

X Saturated in upper 12 inches

X Water Stains

X Drift Lines

X Sediment Deposits

X Drainage Patterns in Wetland

Secondary indicators (2 or more required):

X Oxidized Root Channels in upper 12 inches

X Water-Stained leaves

X Local Soil Survey

X Morphological Plant Adaptations

X Other (Explain in Remarks)

Remarks:
VEGETATION

Dominant Plant Species:

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>red maple</td>
<td>H</td>
<td>S/S</td>
</tr>
<tr>
<td>2</td>
<td>red maple</td>
<td>H</td>
<td>S/S</td>
</tr>
<tr>
<td>3</td>
<td>red maple</td>
<td>H</td>
<td>S/S</td>
</tr>
<tr>
<td>4</td>
<td>sedge</td>
<td>H</td>
<td>S/S</td>
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<tr>
<td>5</td>
<td></td>
<td>H</td>
<td>S/S</td>
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<tr>
<td>6</td>
<td></td>
<td>H</td>
<td>S/S</td>
</tr>
<tr>
<td>7</td>
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<td>H</td>
<td>S/S</td>
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<td>8</td>
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<td>9</td>
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<td>H</td>
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<td>10</td>
<td></td>
<td>H</td>
<td>S/S</td>
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<td>11</td>
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<td>13</td>
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<td>S/S</td>
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<td>14</td>
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<td>H</td>
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<td>H</td>
<td>S/S</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H</td>
<td>S/S</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 33%

WETLAND DETERMINATION

Hydrophytic Vegetation Present? | Yes | No
Hydrophytic Soils Present? | Yes | No
Wetland Hydrology Present? | Yes | No
Is this Sampling Point Within a Wetland? | Yes | No
Hydrologic Connectivity to Off-site Wetlands? | Yes | No

No hydrologic link noted to any off-site waters

Remarks:
Sparse veg due to inundation
**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>Not Mapped</th>
</tr>
</thead>
</table>

**Hydric Soil Indicators:**
- **Histosol**:
  - Organic Matter in Surface Layer of Sandy Soils
  - Organic Soils
  - Organic Soils
- **Non-Hydric**:
  - A1
  - B1
  - C1

**Landscape Position:**
- **Soil**:
  - None
  - Undisturbed

**Remarks:**
- No hydric soil indicators noted.

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
<td>Ground Surface Inundated, inches.</td>
</tr>
<tr>
<td></td>
<td>Soil Inundated.</td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td></td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators:**
- **Primary Indicators**
  - Undisturbed
  - Saturation to upper 12 inches
  - Water Stains
  - Drift Lines
  - Sediment Deposition
  - Drainage Patterns in Wetland
- **Secondary Indicators (5 or more required)**
  - Groundwater flow
  - Local Site Survey
  - Vegetation and Plant Adaptations
  - Other (Describe in Remarks)

**Remarks:**
- No wetland hydrology noted.
## VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (upside down)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>black cherry</td>
<td>H S S T V</td>
<td>FACU</td>
<td>35</td>
</tr>
<tr>
<td>yellow birch</td>
<td>H S S T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>striped maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>hickory</td>
<td>H S S T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>Club moss</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>fenugreek</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>white trillium</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>wood fern</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACU, FAC, **29%**
Percent of Dominant Species OBL, FACU, FAC, **49%**

5120 Rule Applied? **No**

Remarks:

## WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soils Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Hydrologic Connectivity to Off-site Wetlands?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Is this Wetland Potentially Isolated?** Yes or No

Remarks:

Photo Reference Number: [Redacted]
Project No: 72335  Applicant: Rearing Brook Wind Power Project  Date: 5/16/08
Investigator: Fippie/Trenham  Town: Martinsburg
Community: PFO  County: Lewis
Is the site significantly disturbed? Yes  State: NY
Is the area a potential Problem Area? Yes

SOILS
Series and Phase:  NOT MAPPED  Drainage Class: WD MWD SPD PD VPD
Subgroup:  Confirm Mapped Type: Yes No
Depth  Horizon Matrix color Monthly color/absence  Texture, Structure, Other
0-2  O  --  --  --  Organic Layer
2-5  A  10/24/1  None  Silt Loam
5+ rock impermeable
Hydric Soil Indicators:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Status</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Hydric Soil Depth</td>
<td>Low</td>
<td>Listed as Potential Hydric Soils Only</td>
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<tr>
<td>Silt HG</td>
<td>High</td>
<td>Listed as Local Hydric Soils List</td>
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<tr>
<td>Organic Stor.</td>
<td>Medium</td>
<td>Other (Explain in Remarks)</td>
</tr>
<tr>
<td>Organic Stor.</td>
<td>Medium</td>
<td>Aquatic Moisture Region</td>
</tr>
<tr>
<td>Organic Stor.</td>
<td>Medium</td>
<td>Fitted in Low Chenier color</td>
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Landscape Position: unknown

Remarks:

HYDROLOGY
Field Observations:

<table>
<thead>
<tr>
<th>Observation</th>
<th>Value</th>
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<tr>
<td>Depth to Free Water</td>
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<td>Depth to Saturated Soil</td>
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Wetland Hydrology Indicators:

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<th>Indicator</th>
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<td>Aerial Photographs</td>
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<td>Water-Strained Leaves</td>
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<tr>
<td>Local Soil Survey</td>
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<tr>
<td>Oxidized Root Channels in upper 12 inches</td>
<td>X</td>
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<tr>
<td>Perennial Past Adaptations</td>
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</tr>
</tbody>
</table>
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (vert. use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>85</td>
</tr>
<tr>
<td>2</td>
<td>H S/S T V</td>
<td>FAC/DOB</td>
<td></td>
</tr>
<tr>
<td>3 sedges</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>50</td>
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<td>4</td>
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<td>AFF/DOB</td>
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<td>16</td>
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</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

Percent of Dominant Species OBL, FACW: 50%

 Fifty/20 Rule Applied? Yes No

Remarks: Veg just getting stacked

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hypoxic Soils Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes</td>
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Remarks: Photo Reference Number: 60011486
### DATA FORM
**ROUTINE WETLAND DETERMINATION**

**1997 CDE Wetlands Determination Manual**

<table>
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<th>Project No:</th>
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<td>Applicant:</td>
<td>Roaring Brook Wind Power Project</td>
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<td>Investigator:</td>
<td>Pipkin/Truaxbach</td>
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<tr>
<td>Date:</td>
<td>5/14/08</td>
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<td>Town:</td>
<td>Martinsburg</td>
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<td>Lewis</td>
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<td>State:</td>
<td>NY</td>
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<td>Community:</td>
<td>NDF/Sprowd</td>
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<td>Transect/Flag ID:</td>
<td>Wetland 4.1</td>
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<tr>
<td>Plot ID:</td>
<td>USP-4.1</td>
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</table>

### SOILS

#### Series and Phase:

<table>
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<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Mottle code</th>
<th>Mottle color/abundance</th>
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</thead>
<tbody>
<tr>
<td>0-2</td>
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<td>1074.71</td>
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<tr>
<td>0-2</td>
<td>B</td>
<td>1078.75</td>
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<tr>
<td>0-10</td>
<td></td>
<td></td>
<td>Rocky/unpeckable</td>
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</table>

#### Hydric Soil Indicators:

- **Concretions**
- **High O.W.** Contents in Surface Layer of Sandy Soils
- **Sodic-Other**
- **Reducing Conditions**
- **Glycol or Low Chromatose**

Landscape position: correct

### HYDROLOGY

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

- **Field Observations:**
  - Ground Surface Inundated: inches
  - Soil Saturated: inches
  - Depth to Free Water: inches
  - Depth to Saturated Soil: inches

- **Wetland Hydrology Indicators:**
  - Primary Indicators:
    - Drained
    - Saturated in upper 12 inches
    - Water Marks
    - Debris Line
    - Sediment Deposits
    - Drainage Patterns in Wetland
  - Secondary Indicators (2 or more required):
    - Oxidized Root Channels in upper 12 inches
    - Water-Stained leaves
    - Local Soil Survey
    - Morphologic/Plant Adaptations
    - Other (Explain in Remarks)

Remarks:

**No hydraulic soil indicators noted.**

**No wetland hydrology noted.**

[created office files/foramt/Data Form Routine Wetland Determination.xls]
### VEGETATION

| 1 | Balsam f | B | S | S | FAC | 25 |
| 2 | Red Maple | B | S | S | FAC | 15 |
| 3 | Black Cherry | B | S | S | FAC | 10 |
| 4 | Tule --looking | B | S | T | S | FAC | 75 |
| 6 | Hulsea | B | S | T | S | FAC | 50 |
| 7 | | B | S | T | T | FAC | 10 |
| 9 | | B | S | S | T | T | FAC | 50 |
| 10 | | B | S | T | T | FAC | 10 |
| 11 | | B | S | S | S | FAC | 50 |
| 12 | | B | S | S | S | FAC | 50 |
| 13 | | B | S | S | S | FAC | 50 |
| 14 | | B | S | S | S | FAC | 50 |
| 15 | | B | S | S | S | FAC | 50 |
| 16 | | B | S | S | S | FAC | 50 |

**Percent of Dominant Species OBS, FACW, FAC: 50%**

**Percent of Dominant Species OBS, FACW:**

**50/20 Rule Applied?**

- [ ] Yes
- [ ] No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophyte Vegetation Present?</th>
<th>Yes</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Hydric Soils Present?</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**Remarks:**

Photo Reference Number:
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07025  Applicant: Bearings Brook Wind Power Project
Investigator: Pippin/Trembath

Date: 5/16/08  Town: Martinsburg
County: Lewis  State: NY

**SOILS**

Series and Phase: **N/A**  Drainage Class: **WD** MWD SPD PD YPD

Subgroup:  Conifer Mapped Type: Yes No

Depth  Horizon  Matrix color  Matrix cohesion/adhesion  Texture, Structure, Other
0.3  O  0 Yes  None  **Fine silt loam**

Hydrological Indicators:
- Woodland
- High Org. Content in Surface Layer of Sandy Soils
- Organic Stimulating in Sandy Soils
- Gravel or Loam Mimosa color

Landscape position: concave  convex  sleeping

**HYDROLOGY**

Recorded Data (Describe in Remarks): Yes
No Recorded Data Available
- Water, Lake or Tide Gauge
- Aerial Photographs

Field Observations:
- Tread Surface Inundated: inches
- Soil Saturation:
- Depth to Free Water: 1/2 inches
- Depth to Saturated Soil: 0 inches

Wetland Hydrology Indicators:
- Primary Indicators
  - Immersed
  - Saturation in upper 12 inches
  - Water Mists
  - Deluge
  - Sediment Deeps
- Drainage Patterns in Wetland

Secondary Indicators (if more required):
- Declined Flow Channel in upper 12 inches
  - Water Stained leaves
  - Local Sed Survey
  - Morphological Plant Assemblages
  - Other (Explain in Remarks)

Remarks: busfressing

\(\text{\#hdr office fleet\(\text{aks}\)/data\(\text{form\(\text{r}\)/Routine\(\text{wetland\(\text{determination\(\text{x}\)}}\)}}\)}
## VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (code only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Bellemire</td>
<td>H S/S C V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>2 Red maple</td>
<td>H S/S G V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>4 Bellemire</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>5 Club moss</td>
<td>H S/S T V</td>
<td>FACW</td>
<td>50</td>
</tr>
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<td>7</td>
<td>H S/S T V</td>
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<td>H S/S T V</td>
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<tr>
<td>16</td>
<td>H S/S T V</td>
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</table>

Percent of Dominant Species OBS, FACW, FAC: 100%
Percent of Dominant Species OBS, FACW: 25%

50/50 Rule Applied? Yes No

Remarks: minimal herbaceous growth

## WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
  - Yes
- **Hydrologic Connectivity to Off-site Wetlands?** Yes or No
  - No
- **Standing water in middle of wetland**
  - Yes
  - No
- **At veg around edges**
  - Yes
  - No

Photo Reference Number: 0260 Office Reference Data Form Routine Wetland Delineation.xls
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Soil Series and Phase</th>
<th>Not Mapped</th>
<th>Drainage Class:</th>
<th>WD, MWD, SPD, PD, VPD</th>
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</thead>
<tbody>
<tr>
<td>Depth</td>
<td>Horizon</td>
<td>Matrix color</td>
<td>Matrix color/abundance</td>
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<td>-</td>
</tr>
<tr>
<td>2-5</td>
<td>A</td>
<td>10/97</td>
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<td>5+</td>
<td>B</td>
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<tr>
<td>Landscape position</td>
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<td>Remarks</td>
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**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>Field Observations</th>
<th>Wetland Hydrology Indicators</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Recorded Data Available</td>
<td>Ground Surface Insulated</td>
<td>inches</td>
<td>No wetland hydrology noted.</td>
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<tr>
<td>Storm, Lake or Tide Gauge</td>
<td>Soil Saturated</td>
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<td>Aerial Photographs</td>
<td>Depth to Free Water</td>
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<td>Depth to Saturated Soil</td>
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<td>Secondary Indicators (2 or more max=65)</td>
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*Redacted office files/forms/Data Form Routine Wetland Determination only*
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>S</th>
<th>V</th>
<th>Indicator</th>
<th>% Cover</th>
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<tr>
<td>balance fir</td>
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<td>S</td>
<td>V</td>
<td>FAC</td>
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<td>S</td>
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<td>FACW</td>
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<td>V</td>
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<td>V</td>
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</table>

Percent of Dominant Species OBL, FACW, FAC: 75%

Percent of Dominant Species OBL, FACW: 25%

50/50 Rule Applied: No

**Remarks:**

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No: Yes
- Hydric Soils Present? Yes or No: Yes
- Wetland Hydrology Present? Yes or No: Yes
- Is the Sampling Point Within a Wetland? Yes or No: Yes
- Hydrologic Connectivity to Off-site Wetlands? Yes or No: No
- Is this Wetland Potentially Isolated? Yes or No: No

**Remarks:**

Photo Reference Number: [Form: Routine Wetland Delineation.xls]
**Data Form**

**Routine Wetland Determination**

<table>
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<tr>
<th>Project No.</th>
<th>89125</th>
<th>Applicant</th>
<th>Hoering Brook Wind Power Project</th>
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<tbody>
<tr>
<td>Investigator</td>
<td>Pippin/Tremblath</td>
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<tr>
<td>Date</td>
<td>5/16/08</td>
<td>Town</td>
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<td>Country</td>
<td>Lewis</td>
<td>State</td>
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**SOILS**

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<th>Series and Phase</th>
<th>Not Mapped</th>
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<td>Subgroup</td>
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<tr>
<td>2-6</td>
<td>A</td>
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<tr>
<td>6+</td>
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</table>

**Hydro Soil Indicators**

- Histosol
- Historic Riparion
- Scarp of Overwash
- Water Table
- Dewatered
- Bank Erosion
- Weathered Bedrock
- Enhanced Oxidation
- Drained
- Sediment Deposition
- Water-Stained leaves
- Local Soil Survey
- Other (Explain in Remarks)

**Remarks**

**Hydrology**

- Recorded Data (Describe in Remarks)
- No Recorded Data Available

**Field Observations**

- Ground Surface Intercease: _X_ inches
- Soil Saturated: _X_
- Depth to Free Water: _1-2_ inches
- Depth to Saturated Soil: _0_ inches

**Wetland Hydrology Indicators**

- Primary Indicators: _X_ Sediment in upper 12 inches
- Water Marks
- Drift Lines
- Sediment Deposition
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Hydrology**

- Field Observations: _X_ Sediment in upper 12 inches
- Water Marks
- Drift Lines
- Sediment Deposition
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

_Buttressing_

\[\text{sedr office files/forms/Data Form Routine Wetland Determination.xls}\]
### VEGETATION

<table>
<thead>
<tr>
<th>No.</th>
<th>Dominant Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red maple</td>
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<td>FAC</td>
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<td>Yellow birch</td>
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<td>10</td>
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<td>3</td>
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<td>D SS</td>
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<tr>
<td>16</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

50/50 Rule Applied? **Yes**

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? **No**
- Wetland Hydrology Present? **No**
- Hydrologic Connectivity to Off-site Wetlands? **No**
- Is this Wetland Potentially Isolated? **No**

Remarks: *Vegetation all around edges only.*
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 57025
Applicant: Delaware River Joint Board

Date: 5/14/08

Repaired: None

County: Lewis
State: NY

SOILS
Series and Phase: Not Mapped

Depth
Sample Horizon Matrix color/Aspect
0-1 A 106/3 None
1+ B 106/3 None

Texture: Silty Loam

Hydric Soil Indicators:

Landscape position:

Remarks: No hydric soil indicators noted

HYDROLOGY

Recorded Data

Field Observations

Ground Surface Inundated inches

Soil Saturated

Depth to Free Water inches

Secondary Indicators (2 or more required)

Wetland Hydrology Indicators:

Primary Indicators:

Stratified

Saturated in upper 12 inches

Water Stains

Drift Lines

Sediment Deposits

Drainage Patterns in Wetland

Remarks: No wetland hydrology noted.

1/cedr office files/Forms/DataForms Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (units per)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow bird</td>
<td>H SS O V</td>
<td>FAC</td>
<td>46</td>
</tr>
<tr>
<td>Ironweed</td>
<td>H SS O V</td>
<td>FACUM</td>
<td>15</td>
</tr>
<tr>
<td>Black cherry</td>
<td>H SS O V</td>
<td>FACUM</td>
<td>10</td>
</tr>
<tr>
<td>Red maple</td>
<td>H SS O V</td>
<td>FACUM</td>
<td>30</td>
</tr>
<tr>
<td>Yellow birch</td>
<td>H SS T V</td>
<td>FACUM</td>
<td>30</td>
</tr>
<tr>
<td>Club moss</td>
<td>H SS T V</td>
<td>FACUM</td>
<td>90</td>
</tr>
<tr>
<td>Wood fern</td>
<td>H SS T V</td>
<td>FACUM</td>
<td>30</td>
</tr>
<tr>
<td>White trillium</td>
<td>H SS T V</td>
<td>FACUM</td>
<td>10</td>
</tr>
<tr>
<td>Trout lily</td>
<td>H SS T V</td>
<td>FACUM</td>
<td>50</td>
</tr>
</tbody>
</table>

#### Percent of Dominant Species OBS, FAC, FACW: 67%

#### 50/20 Rule Applied? Yes No

**Remark:**

---

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soil?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Hydrologic Connectivity to Off-site Wetlands?** Yes or No
- **Potential Wetland?** Yes or No

**Remarks:**

---

**Photo Reference Number:**

---
Data Form
Routine Wetland Determination

Project No: 07225
Applicant: Roaring Brook Wind Power Project
Investigator: Pippins/Tremblay

Date: 5/30/08
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Community: Open Water
Is the site significantly disturbed? Yes
Transmittal Flag: WETLAND
Is the area a potential Problem Area? Yes
Plan ID: WSD 4 M

Soils
Series and Phase: NOT MAPPED
Drainage Class: WD MWD SPO PD VPD
Subgroup: Confirmed Mapped Type: Yes No

Depth Horizon Metric color Matteral component Texture Structure, Other
0-8 No organic muck
8- Br impermeable rock

Hydraulic Soil Indicators:
Martimes
Meric Epipedon
Sulfatic Color
Reducing Conditions

Landscape position: convex

Remarks:

Hydrology
X Recorded Data (Describe in Remarks)
No Recorded Data Available
Artificial Photographs

Wetland Hydrology Indicators:
Primary Indicators

Secondary Indicators (2 or more required)

Remarks:
Large open water system resulting from significant beaver activity.
Floated to edge where fen conditions exist in thin strip.
## VEGETATION

<table>
<thead>
<tr>
<th>Stratum: (each use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 red maple</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 red maple</td>
<td>FAC</td>
<td>9</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 sedges</td>
<td>FAC/TOBL</td>
<td>50</td>
</tr>
<tr>
<td>6 sensitive fern</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>7 common cothris</td>
<td>OBL</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
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<td>11</td>
<td></td>
<td></td>
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<tr>
<td>12</td>
<td></td>
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<tr>
<td>13</td>
<td></td>
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<tr>
<td>14</td>
<td></td>
<td></td>
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<tr>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **50%**

50/20 Rule Applied? **No**

Remarks:

---

## WETLAND DETERMINATION

Hydric Vegetation Present? **No**
Hydric Soils Present? **No**
Is this Sampling Point Within a Wetland? **No**

Hydrologic Connectivity to Off-site Wetlands? **No**
Is this Wetland Potentially Isolated? **Yes**

Remarks:
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 COR Wetlands Determination Manual

Project No: 0025
Appraiser: Raving Brook Wind Power Project

Investigator: Pipkin/Trembath

Date: 5/27/02

Tower: Monticello
County: Lewis
State: NY

SOILS
Series and Phase: Not mapped
Subgroup: WN WWD SRF R3 VPD

Conform Mapped Type: Yes No

Depth Horizon Mattie color Mattie color/comparative

D-2 0 -

2-10 A 10741/1 None Silt loam

Texture, Structure, Other

Hydric Soil Indicators:

Humus
Mattie Epigene
Sulfate Oxidation
Reducing Conditions

Organic, Inorganic
Organic, Sulfate Oxidation
Organic, Sulfate Reduction

Organic, Iron Oxidation
Organic, Nitrification

Consecutively
Consistently
Sporadically
Unconformable rock


Landform Position: convex Concave Slightly
Flat

Remarks: No hydric soil indicators noted.

HYDROLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available

Antil Photographs

Field Observation:

Overgrown Surfaces Islands

Self Saturated

Depths to Top Water

Depths to Saturated Soils

Wetland Hydrology Indicators:

Primary Indicators

Intactness

Seasonal to 12 inches

Water Stains

Drift Lines

Sediment Deposition

Drainage Patterns

Secondary Indicators (2 or more required)

Organized Root Channels in upper 12 inches

Water Stained Soils

Local Soil Survey

Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks: No wetland hydrology noted.
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status (seed vig)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Balsam fir</td>
<td>SS T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>2. Red maple</td>
<td>SS T V</td>
<td>FAC</td>
<td>70</td>
</tr>
<tr>
<td>4. Red maple</td>
<td>SS T V</td>
<td>FAC</td>
<td>75</td>
</tr>
<tr>
<td>5. Huckleberry</td>
<td>SS T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>6. Trout lily</td>
<td>SS T V</td>
<td>N/A</td>
<td>25</td>
</tr>
<tr>
<td>8. Wood fern</td>
<td>SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>9. Club moss</td>
<td>SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>10.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>SS T V</td>
<td></td>
<td></td>
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<tr>
<td>12.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>SS T V</td>
<td></td>
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<tr>
<td>14.</td>
<td>SS T V</td>
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<td>15.</td>
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<td></td>
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</tr>
<tr>
<td>16.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBH, FAC, FAC, 80%  
Percent of Dominant Species OBH, FAC 20%  
50/20 Rule Applied? Yes No

**WETLAND DETERMINATION**

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Hydrologic Connectivity to Off-site Wetlands? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No
- Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number: 080018

Area Office Reference Data Form: Routine Wetland Delineation 2006
**DATA FORM ROUTINE WETLAND DETERMINATION**

**1991 COE Wetland Determination Sheet**

**Project No:** 78425  
**Applicant:** Boaring Brook Wind Power Project  
**Investigator:** Pippin/Trembath  
**Date:** 5/30/08  
**Town:** Marshfield  
**County:** Lewis  
**State:** NY

---

**SOILS**

**Series and Phase:** Not Mapped  
**Subgroup:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/finish</th>
<th>Texture, Structure, Other</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3</td>
<td>0</td>
<td>10 BJ/1</td>
<td>-</td>
<td>Organic, Fine Silt Loam</td>
<td>Yes No</td>
</tr>
<tr>
<td>3-6</td>
<td>A</td>
<td>1083/3</td>
<td>None</td>
<td>Sandy Silt</td>
<td>sandy-silt</td>
</tr>
<tr>
<td>6+</td>
<td>B</td>
<td>25/4</td>
<td>None</td>
<td>Sandy Silt</td>
<td>Sandy-Silt</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- Organic horizon:
- Organic enrichment in surface layer of sandy soils
- Organic spotting in sandy soils
- Glyptid or Low Chrome color

**Landscape position:**
- Herbaceous wetland
- Cultivated under road connects hydraulically

---

**HYDROLOGY**

- Recorded Data (V-able in Remarks)
  - NRI/CRPD Data Available
  - Stream, Lake or Tide Gauge
  - Aerial Photographs

**Field Observations**
- Drainage patterns
  - Wetted
  - Wetlands
  - Water Mark
  - Ditch Line
  - Sediment Deposition
  - Drainage patterns in Wetland

**Wetland Hydrology Indicators:**
- Primary Indicators
  - Wetted in upper 12 inches
  - Water mark
  - Ditch line
  - Sediment deposition

**Secondary Indicators (2 or more required):**
- Oxidized Root Channel in upper 12 inches
- Water Stained leaves
- Local soil survey
- Neighboring plant adaptations

**Remarks:** Hammsley

---

[Handwritten notes: Data Form Routine Wetland Determination.xls]
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Status</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sedges</td>
<td>W S S T T V</td>
<td>FACW/FACW</td>
<td>5%</td>
</tr>
<tr>
<td>Seaside Dune</td>
<td>H S S T T V</td>
<td>FACW</td>
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<td></td>
<td>H S S T T V</td>
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<td></td>
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<td>H S S T T V</td>
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<td></td>
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<td>H S S T T V</td>
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<td>H S S T T V</td>
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<td>H S S T T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H S S T T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** No
- **Hydric Soils Present?** No
- **Wetland Hydrology Present?** No
- **Is this Sampling Point Within a Wetland?** No
- **Hydrologic Connectivity to Off-Site Wetlands?** No
- **Is this Wetland Potentially Isolated?** Yes

**Remarks:**

**Photo Reference Number:** 890-0000
**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>NOT mapped</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/absence</th>
<th>Texture, Structure, Unstability</th>
<th>Confirms Mapped Type</th>
<th>Drainage Class</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3-4</td>
<td>A</td>
<td>1020 4/1</td>
<td>None</td>
<td>organic layer</td>
<td>Yes</td>
<td>WD MWD SPD PD VPD</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Gleysol Relations:**
  - **Horizons:**
    - **A:** Organic Sphagnum
  - **B:** Gray Organic Sphagnum
- **Reticulating Conditions:**
  - **C:** Gray Sphagnum
- **Landscape position:**
  - ** concave**
  - ** convex**
  - ** flat**
  - ** undulating**

**Remarks:**

- **No hydric soil indicators noted.**

**HYDROG:**

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
- **Field Observations:**
  - **Ground Surface:**
    - **Inundated**
    - **Soil Saturated**
  - **Depth to Free Water:**
    - **inches**
  - **Depth to Saturated Soil:**
    - **inches**

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - **Inundated**
  - **Saturation above 12 inches**
  - **Water Marks**
  - **Drift Lines**
  - **Sediment Deposits**
  - **Drainage Pattern in Wetland**
- **Secondary Indicators (2 or more required):**
  - **Concordant Root Channels in upper 12 inches**
  - **Wetland Soils**
  - **Morphological Plant Adaptations**
  - **Local Soil Survey**
  - **Other (Explain in Remarks)**

**Remarks:**

- **No wetland hydrology noted.**

L:\adr\office files\forms\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stream (see site)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balsam Fir</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>Balsam Fir</td>
<td>H SS T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>Club Moss</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Salvation variety (very grassy)</td>
<td>H SS T V</td>
<td>FAC/N</td>
<td>40</td>
</tr>
<tr>
<td>Perennial Ryegrass</td>
<td>H SS T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>Grass</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
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<td></td>
<td>H SS T V</td>
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<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species ORL, FACW, FAC: 67%
Percent of Dominant Species ORL, FACW: 17
50/50 Rule Applied? Yes No

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes No
- Wetland Hydrology Present? Yes No
- Hydrologic Connectivity to Off-site Wetlands? Yes No
- Hydric Soils Present? Yes No
- Is this Sampling Point Within a Wetland? Yes No
- Is this Wetland Potentially Isolated? Yes No

Remarks:

Photo Reference Number:
DATA FORM
ROUTE WETLAND DETERMINATION
1997 COE Wetland Determination Manual

Project No: 07255
Applicant: Hawking Brook Wind Power Project

Investigator: Pippin/Tremblay

Comment: Wetland

Date: 5/30/00

Town: Martinsburg

County: Lewis

State: NY

Do normal circumstances exist on site? Yes

Is the site significantly disturbed? Yes

Is the area a potential Problem Area? Yes

Transmit/Flag ID: BRR6

Plot ID: WP0 40

SOILS

Series and Plats: Mapped

Drainage Class: WD MWDP SPD PD VPD

Confirm Mapped Type: Yes No

Depth Horizon Matrix color Matrix color/breadth
0-6 A 1076 clay

Hydrus Soil Indicators:

Histosol
Hapludalf
Sapric Haploclay

Sediment Color
Organic Streaking in Sandy Soils

Reducing Conditions
Clayey or Low Calcium color

Hydrus Soil Indicators:

Textural Structure, Other
Organic muck

Landscapes position: erosive

Remarks: Part of large State Wetland

HYDROLOGY

Recorded Data (Describe in Remarks): No Recorded Data Available

Field Observations:

Stream, Lake or Tide Gauge
Artificial Photographs

Wetland Hydrology Indicators:

Observed
Saturated in upper 12 inches.
Water Marks
Ditch/Lines
Drainage Patterns in Wetland

Secondary Indicators (2 or more required):

Ground Surface Buried, ~1" inches.

Depth in Fresh Water: 0 inches.
Depth in Saturated Soil: 0 inches.

Remarks: How many, What

s:\eco\office\files\forms\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plot</th>
<th>Species</th>
<th>SD/ST</th>
<th>Indication</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>red maple</td>
<td>S</td>
<td>FAC</td>
<td>65</td>
</tr>
<tr>
<td>2</td>
<td>balsam fir</td>
<td>S</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>3</td>
<td>red maple</td>
<td>O</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>4</td>
<td>red maple</td>
<td>O</td>
<td>FAC+</td>
<td>90</td>
</tr>
<tr>
<td>5</td>
<td>red maple</td>
<td>O</td>
<td>FAC+</td>
<td>10</td>
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<tr>
<td>6</td>
<td>red maple</td>
<td>O</td>
<td>FAC+</td>
<td>5</td>
</tr>
<tr>
<td>7</td>
<td>red maple</td>
<td>O</td>
<td>FAC+</td>
<td>5</td>
</tr>
<tr>
<td>8</td>
<td>red maple</td>
<td>O</td>
<td>FAC+</td>
<td>5</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

50/50 Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No

Hydric Soils Present? Yes No

Is this Sampling Point Within a Wetland? Yes No

Is this Wetland Potentially Isolated? Yes No

Hydrologic Connectivity to Off-site Wetlands? Yes No

Photo Reference Number:

SAC-40 Office Reformatting - Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 OS Wetland Determination Manual

Project No: 07025  Appraiser: Roaring Brook Wins Power Project  Date: 5/30/08
Investigator: Pipple/Trentham  Town: Martinsburg
Do normal circumstances exist on site?  Community: Wetland 0000
No  Yes
Is the site significantly disturbed?  Yes  No
Is the area a potential Problem Area?  Yes  No

Series and Phase: Not Mapped  Drainage Class: WD MWD SPD FPD VPD
Subgroup: Confirm Mapped Type: Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/substance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.6</td>
<td>0</td>
<td>107A.91</td>
<td>None</td>
<td>Organic</td>
</tr>
<tr>
<td>0.6</td>
<td>A</td>
<td>107A.92</td>
<td>None</td>
<td>3:1P town</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soil Indicators:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydrology:

Recorded Data: (Describe in Remarks)

Field Observations:

<table>
<thead>
<tr>
<th>Observation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Surface Insulated</td>
<td>inches</td>
</tr>
<tr>
<td>Soil Saturated</td>
<td></td>
</tr>
<tr>
<td>Depth to Free Water</td>
<td>inches</td>
</tr>
<tr>
<td>Depth to Saturated Soil</td>
<td>inches</td>
</tr>
</tbody>
</table>

Wetland Hydrology Indicators:

Primary Indicators:

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Translated</td>
<td></td>
</tr>
<tr>
<td>Saturated or upper 12 inches</td>
<td></td>
</tr>
<tr>
<td>Water Marks</td>
<td></td>
</tr>
<tr>
<td>Ditch Lines</td>
<td></td>
</tr>
<tr>
<td>Sediment Deposits</td>
<td></td>
</tr>
<tr>
<td>Drainage Patterns in Wetland</td>
<td></td>
</tr>
</tbody>
</table>

Secondary Indicators (2 or more required):

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxidized Root Channels in upper 12 inches</td>
<td></td>
</tr>
<tr>
<td>Water-Stained Islands</td>
<td></td>
</tr>
<tr>
<td>Local Soil Survey</td>
<td></td>
</tr>
<tr>
<td>Morphological Plant Adaptations</td>
<td></td>
</tr>
<tr>
<td>Other (Explain in Remarks)</td>
<td></td>
</tr>
</tbody>
</table>

Remarks: No hydric soil indicators noted.

HYDROLOGY: Yes

No wetland hydrology noted.

Open office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stem (size)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black cherry</td>
<td>H SS O V</td>
<td>FACU</td>
<td>45</td>
</tr>
<tr>
<td>Yellow birch</td>
<td>H SS O V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>Elm, beech</td>
<td>H SS O V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>Hobble bush</td>
<td>H SS T V</td>
<td>FACU</td>
<td>45</td>
</tr>
<tr>
<td>Red maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>Striped maple</td>
<td>H SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>Word fern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>Dwarf ginseng</td>
<td>H SS T V</td>
<td>N1</td>
<td>15</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 50%

50/20 Rule Applied: Yes

Remarks:

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes: Yes

*Pedric Soils Present? Yes: Yes

Inflow Sampling Point Within a Wetland? Yes: Yes

Hydrologic Connectivity to Off-site Wetlands? Yes: Yes

Is this Wetland Potentially Isolated? Yes: Yes

Remarks:

Photo Reference Number:
Project No: 07025  
Applicant: Hoary Brook Wind Power Project  
Investigator: Pippin/Trentham  
Date: 8/30/08  
Town: Martinsburg  
County: Lewis  
State: NY  
Commodity: "PEM"  
Transmit ID: "WSP-4P"  
Plot ID: "WSP-4P"

SOILS
Series soil Place: Not Mapped  
Drainage Class: WD MWD SPD PD VPD  
Subgroup: Confuse Mapped Type: Yes No  
Depth | Horizon | Matrix color | Matrix size/abundance | Texture, Structure, Other | Confirm Mapped Type: Yes No  
--- | --- | --- | --- | --- | ---  
0-4 | O | - | None | organic mud | -  
4-6 | A | 10%6% | None | - | 50% lean  
6+ | - | - | - | - | -

Hydric Soil Indicators:  
- Hummock  
- Root Epigean  
- Satitic Color  
- Reducing Conditions  
Landscape position: concave convex flat undulating  
Approximate slope:

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks):  
- No Recorded Data Available  
- Stream, Lake or Tidal Gauge  
- Artifical Photographs  
Field Observations:  
- Saturated Surface Insulated: - inches  
- Soil Saturated:  
- Depth to Free Water: - inches  
- Depth to Saturated Soil: - inches  
Depth to Free Water: - inches.

Wetland Hydrology Indicators:  
- Inundated  
- Saturated in upper 12 inches  
- Water slacks  
- Ditch Lines  
- Sediment Deposits  
- Drainage Patency in Wetland  
Secondary Indicators (2 or more required):  
- Oxidized Root Channels in upper 12 inches  
- Water Stained leaves  
- Local Soil Survey  
- Morphological Plant Adaptations  
- Other (Explain in Remarks)

Remarks: Hummocky

ladr office files\formal\Data Form\Routite Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Rank</th>
<th>Plant Species</th>
<th>Rarity (2009 use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>red maple</td>
<td>H</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td>reed canary grass</td>
<td>H S</td>
<td>FACW</td>
<td>60</td>
</tr>
<tr>
<td>4</td>
<td>sedges</td>
<td>H S</td>
<td>FACW/OBG</td>
<td>20</td>
</tr>
<tr>
<td>5</td>
<td>sparsely</td>
<td>H S S</td>
<td>FACW</td>
<td>10</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBG, FACW, FAC**

- 100% of OBG
- 0% of FACW
- 79% of FAC

**5020 Rule Applied?**

- Yes

**Remarks:**

---

**WETLAND DETERMINATION**

- Hydric Vegetation Present? **Yes**
- Hydric Soils Present? **Yes**
- Is this Sampling Point Within a Wetland? **Yes**
- Hydrologic Connectivity to Off-site Wetlands? **No**
- Is this Wetland Potentially Involved? **No**

**Remarks:**

---

[Photo Reference Number: 81C Office Systems Data Form Routine Wetland Delineation.xls]
SOILS

Series and Phase: Not applicable

Drainage Class: WD

Subgroup:

Confirm Mapped Type: Yes

Hydrologic Soil Indicators:

-Lithology: 
-Texture: Organic

Hydrology:

Field Observations:

- Opaque Surface: 0.25 inches
- Soil Tonned:

- Depth to Free Water: 12 inches
- Depth to Saturated Soil: 12 inches

Secondary Indicators (2 or more required):

- Topographic Characteristics:
  - Level
  - Paved Streets

- Hydrologic Characteristics:
  - Water-Barrier Lakes
  - Local Salt Survey

- Morphological Plant Adaptations:
  - Other (Explain in Remarks)

Remainder: No wetland hydrology noted

s:ledr office file/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>#</th>
<th>Dominant Plant Species</th>
<th>Stratum:</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White spruce</td>
<td>H S S O V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>Balsam fir</td>
<td>H S S O V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>Red maple</td>
<td>H S S G V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td>Am. birch</td>
<td>H S S G V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>Yellow birch</td>
<td>H S S O V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Wood fern</td>
<td>H S S T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>8</td>
<td>Trout lily</td>
<td>H S S T V</td>
<td>N1</td>
<td>60</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Striped maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>11</td>
<td>Red maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 43%

Percent of Dominant Species OBL, FACW: 0%

5020 Rule Applied? Yes No

Remarks:

### WETLAND DETERMINATION

Hydrophile Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Hydrologic Connectivity to Off-site Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number:
**PROJECT NO.**
07025

**APPLICANT: REARING BROOK WIND POWER PROJECT**

**INVESTIGATOR:** Pippis/Tremblay

**DATE:** 5/30/08
**TOWN:** Martinsburg
**COUNTY:** Lewis
**STATE:** NY

**SOILS**

**Surface and Phase:**

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Field</th>
<th>Matrix Color</th>
<th>Matrix Moisture/Desiccation</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3</td>
<td>0</td>
<td>0</td>
<td>None</td>
<td>organic sand</td>
</tr>
<tr>
<td>3-18 ft A</td>
<td>10741</td>
<td>None</td>
<td>5.11%</td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Hydrologic Conditions:**
  - Conterminous
  - High Org. Content in Surface Layer of Sandy Soil
  - Organic Breeding in Sandy Soil
  - Clayey or Low Chorom color
  - Listed on Local Hydric Soil List
  - Listed as Potential in Hydric Indicators Only
  - Other (Explain in Remarks)
  - Aquatic Vegetation

- **Landuse:**
  - Converse flat
  - Steep

**HYDROLOGY**

- X Recorded Data (Describe in Remarks)
- X Artesian/Photographs

- Field Observation:
  - **Depth to Water:** 1 2.0 inches
  - **Depth to Saturation:** 0.0 inches
  - **Secondary Indicators (2 or more required):**
    - Oxidized Root Channels in upper 12 inch
    - Water-Saturated Zones
    - Local Soil Survey
    - Morphological Plant Adaptations
    - Other (Explain in Remarks)

**Remainder:**

- Hummocky
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>System (use one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. sedges</td>
<td>SS T V</td>
<td>FACW</td>
<td>60</td>
</tr>
<tr>
<td>2. sensitive fern</td>
<td>SS T V</td>
<td>EATW/DBL</td>
<td>20</td>
</tr>
<tr>
<td>3. water lily</td>
<td>SS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>SS T V</td>
<td>DBL</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW: **100%**

50/20 Rule Applied? **Yes**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Hydraulic Soils Present? | Yes or No |

Is this Sampling Point Within a Wetland? | Yes or No |

Hydrologic Connectivity to Off-site Wetlands? | Yes or No |

Is this Wetland Potentially Isolated? | Yes or No |

Remarks: 

Photo Reference Number:

*Office Restorm Data Form Routine Wetland Definition*
DATA FORM
ROUTINE WETLAND DETERMINATION
1407 CCE Wetlands Determination Manual

Project No: 07025
Appliance: Roaring Brook Wind Power Project
Investigator: Pippin/Trembleth

Community: NDF
Transmission/Flag ID: USP 48

Date: 5/30/08
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

SOILS
Series and Phase: Not Mapped
Drainage Class: WD MWD SPD PD VPD
Confused Mapped Type: Yes No

Subgroup:

Depth | Horizon | Matrix Color | Matrix Color/Abundance | Texture | Structure, Other |
------|---------|--------------|------------------------|---------|------------------|
0-1   | 0       |              |                        | organic | organic          |
6+    | A       | 1078 9/3     | None                   | Silt loam| Silt loam       |
       | B       | 7578 4/6     | None                   | Silt loam| Silt loam       |

Hydric Soil Indicators:
- [ ] Hydric
- [ ] Organic
- [ ] Salt
- [ ] Pervious
- [ ] Marginal

Landscape position:
- Concave
- Convex
- Flat
- Steep

Remarks: No hydric soil indicators noted.

HYDROLOGY

Y Recorded Data (Describe in Remarks)
X Recorded Data Available

Field Observations
- [ ] Ground Surface Inundated __________ inch.
- [ ] Soil Saturated.
- [ ] Depth to Free Water __________ inch.
- [ ] Depth to Saturated Soil __________ inch.

Wetland Hydrology Indicators:
- [ ] Coastal
- [ ] Estuarine in upper 12 inches
- [ ] Freshwater
- [ ] Saltwater
- [ ] Deepened
- [ ] Sediment Deposition
- [ ] Drainage Patterns

Secondary Indicators (2 or more required)
- [ ] Oxidized Root Channels in upper 12 inches
- [ ] Water-Statued leaves
- [ ] Local Site Survey
- [ ] Morphological Plant Adaptations
- [ ] Other (Explain in Remarks)

Remarks: No wetland hydrology noted.
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Structure (Local use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>yellow birch</td>
<td>H S/S O V</td>
<td>FAC</td>
<td>60</td>
</tr>
<tr>
<td>black cherry</td>
<td>H S/S T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>hawthorn</td>
<td>H S/S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>black cherry</td>
<td>H S/S T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>red maple</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>bubble bush</td>
<td>H S/S T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>striped maple</td>
<td>H S/S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>wood fern</td>
<td>H S/S T V</td>
<td>FACU</td>
<td>80</td>
</tr>
</tbody>
</table>

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Hydrologic Connectivity to Off-site Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

Remark:

Photo Reference Number:
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

1997 COE Wetlands Determination Manual

---

**Project No:** 07225  
**Applicant:** Hoosick Brook Wind Power Project  
**Investigator:** Stebbins/Schwankebauer  
**Date:** 6/24/92  
**Location:** Mearsburg  
**County:**  
**Town:**  
**State:** NY

---

**SOILS**

Series and Phase: soils not mapped  
Drainage Class: WD MWD SPD PD VPD

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Textura, Structure, Other</th>
<th>Confirm Mapped Type</th>
<th>Yes No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- Histosol
- Organic Enrichment
- Water Table
- Calcification

**Hydrology:**

- Recorded Data
- No Recorded Data Available
- Aerial Photographs

**Field Observations:**

- Ground Surface: 0-6" inches
- Depth to Free Water: 10" inches
- Depth to Seepage Soil: 0" inches

**Secondary Indicators (2 or more required):**

- Outlined Root Channels in upper 12 inches
- Water Stained Soils
- Morphological Plant Adaptations
- Other (Explain in Remarks)

---

**Remarks:**

- No
- Yes
- Yes
- 45
- 45 - 1
- soils not mapped
- shallow
- 0-6" 100% A
- 5-10" 50% A 50% B
- 30-60" 100% A B
- 29.5 cm
- 11.1 cm
- concave
- level

---

**HYDROLOGY**

- 0-6" inches
- 0" inches

---

**Wetland Hydrology Indicators:**

- Undisturbed
- Modified in upper 12 inches
- Drift Lines
- Sediment Deposits
- Change in Wetland

---

**Remarks:**

- 0-6" inches
- 0" inches

---

**Report office file format:** Data Form Routine Wetland Determination.xls
## VEGETATION

<table>
<thead>
<tr>
<th>Stratum (x-y-z)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H SS T V</td>
<td>OBL</td>
<td>60</td>
</tr>
<tr>
<td>H SS T V</td>
<td>OBL</td>
<td>20</td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 100%

Remarks: Unvegetated open water

## WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to O/Site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number
<table>
<thead>
<tr>
<th>Project No:</th>
<th>87025</th>
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</thead>
<tbody>
<tr>
<td>Applicant:</td>
<td>Hunting Brook Wind Project</td>
</tr>
<tr>
<td>Investigator:</td>
<td>Stebbins/Schwaebacher</td>
</tr>
<tr>
<td>Town:</td>
<td>Martinburg</td>
</tr>
<tr>
<td>County:</td>
<td>Lewis</td>
</tr>
<tr>
<td>Date:</td>
<td>6/24/00</td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
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<tr>
<td>Do normal circumstances exist on site?</td>
<td>No</td>
</tr>
<tr>
<td>Is the site significantly disturbed?</td>
<td>Yes</td>
</tr>
<tr>
<td>Is the area a potential Problem Area?</td>
<td>Yes</td>
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</tbody>
</table>

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>soils not mapped</th>
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</thead>
<tbody>
<tr>
<td>Subsoil:</td>
<td></td>
</tr>
<tr>
<td>Organic Color</td>
<td>Light Brown</td>
</tr>
<tr>
<td>Organic Color/Abundance</td>
<td>rnal</td>
</tr>
<tr>
<td>Texture Structure</td>
<td>silty clay</td>
</tr>
<tr>
<td>Confirm Mapped Type:</td>
<td>Yes-No</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Hydric Surface:**
  - Vegetation:
    - Trees:
    - Shrubs:
  - Groundwater:
- **Reduction Condition:**
  - Oxygenated or low Oxygen Quol |

**Remarks:**

**HYDROLOGY**

**Field Observations:**

- Ground Surface Inundation: inches
- Soil Saturation: |
- Depth to Free Water: inches
- Depth to Saturated Soil: inches

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Inundated
  - Saturated to upper 12 inches
  - Water Marks
  - Dull Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

- **Secondary Indicators (2 or more required):**
  - Oxidized Root Channels in upper 12 inches
  - Water-Obstructed Sources
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Describe in Remarks)

**Remarks:**
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (each one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Baystrawfern</td>
<td>H S S T V</td>
<td>NL</td>
<td>0%</td>
</tr>
<tr>
<td>2 Sedge</td>
<td>H S S T V</td>
<td>FACU</td>
<td>20%</td>
</tr>
<tr>
<td>3 Goldthick</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10%</td>
</tr>
<tr>
<td>4</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Hawthorn</td>
<td>H S S T V</td>
<td>FACU</td>
<td>30%</td>
</tr>
<tr>
<td>6 Red maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>60%</td>
</tr>
<tr>
<td>7</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OEB, FACW, FAC: 25%

Percent of Dominant Species OEB, FACW, FAC: 50/20 Rule Applied? Yes

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

Remarks:

Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
Stream Inventory

Observer: Stebbins/Schwabenbauer
Weather: Overcast Humid

Stream Name: L0

Stream Location (nearest road, structure, etc.): Behind huge farm or RR 26

Adjacent Community: Ag Field

Stream Gradient - gentle
- moderate
- steep

Bank Width: 15'-25'

Stream Width: 5'-10'

Water Depth: 1'-4''

Substrate:
- Bed Rock X
- Boulder
- Cobble
- Gravel
- Sand
- Silt
- Clay

Instream Cover:
- Undercut bank X
- Overhanging vegetation
- Logs/woody debris
- Deep pools
- Other

Flow: - Permanent X
- Intermittent

Photo #: Yes
Flag #: L0

Additional Comments: SP15 (N60) Neilis Loam

Environmental Design & Research
Stream Inventory

Observer: Steiblis/Schwabenbauer
Weather: Sunny, hot, humid

Stream Name: GE

Stream Location (crossroad, structure, etc.):

Adjacent Community: Wooded corridor

Stream Gradient - gentle
- moderate
- steep

Bank Width: 12'-15'

Stream Width: 4'-8'

Water Depth: 2'-6''

Substrate:
- Bed Rock
- Boulder
- Cobble
- Gravel
- Sand
- Silt
- Clay

Instream Cover:
- Undercut bank
- Overhanging vegetation
- Logs/woody debris
- Deep pools
- Other

Flow:
- Permanent
- Intermittent

Photo #: Yes
Flag #: GE

Additional Comments: Soils: (PhB, PhD) Poland silt loam (HHe) Herkimer silt loam (MvB) Mountain silt loam

Environmental Design & Research
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 COE Wetlands Definition Manual

Project No: 07023  Applicant: Roaring Brook Wind Power Project
Investigator: Stehlein/Schwabenbauer

Date: 7/18/08  Town: Martinsburg
Community:  County: Lewis
Is normal circumstance exist on site? Yes  No
Is the site significantly disturbed? Yes  No
Is the area a potential Problem Area? Yes  No

Plot ID: WSP #1 66 4

SOILS
Series and Phase: HBD  Harker silt loam
Subgroup: not available
Drainage Class: WD MWD SPD FD VPD
Confine Mapped Type: Yes  No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6</td>
<td>A</td>
<td>10H2 3/1</td>
<td>none</td>
<td>clayey loam</td>
</tr>
<tr>
<td>6-12</td>
<td>AB</td>
<td>10H3 3/1</td>
<td>sandy 10H5 5/6 10H5 6/2</td>
<td>clayey loam</td>
</tr>
<tr>
<td>12+</td>
<td>B</td>
<td>10R5 6/1</td>
<td>muddy 10R6 5/6 10R6 5/6</td>
<td>clay</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
- Hydric Elevation: concave
- Organic Soils in Surface Layer of Sandy Soils
- Listed on Local Hydric Soils List
- Listed as Potential for Hydric Inclusions Only
- Other (Explain in Remarks)
- Aquic Moisture Regime

Landscaping position: concave  convex  sloping  Approximate slope:

Remarks:

HYDROLOGY
Recorded Data: (Describe in Remarks)
- No Recorded Data Available
- Aerial Photographs

Field Observations:
- Ground Surface Undisturbed
- Soil Reclaimed
- Depth to Free Water
- Depth to Saturated Soil

Wetland Hydrology Indicators:
Primary Indicators:
- Saturated in upper 12 inches
- Water Stains
- Drain Lines
- Sediment Debris

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water-Stained Leaves
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

s/ldr office files/forms/Data Form Routine Wetland Determination.xls
## VEGETATION

<table>
<thead>
<tr>
<th>Domain Plant Species</th>
<th>Stratum (shade zone)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <em>Juniperus</em></td>
<td>H SS TV</td>
<td>FACW</td>
<td>85</td>
</tr>
<tr>
<td>2. <em>Sage</em></td>
<td>H SS TV</td>
<td>DDC</td>
<td>10</td>
</tr>
<tr>
<td>4. <em>Juniperus</em></td>
<td>H SS TV</td>
<td>FACW</td>
<td>65</td>
</tr>
<tr>
<td>5.</td>
<td>H SS TV</td>
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<td></td>
</tr>
<tr>
<td>6.</td>
<td>H SS TV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>H SS TV</td>
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<td></td>
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<td>8.</td>
<td>H SS TV</td>
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<td>9.</td>
<td>H SS TV</td>
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<td></td>
</tr>
<tr>
<td>10.</td>
<td>H SS TV</td>
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<td>11.</td>
<td>H SS TV</td>
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<td>H SS TV</td>
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<td>13.</td>
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<td>14.</td>
<td>H SS TV</td>
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<tr>
<td>15.</td>
<td>H SS TV</td>
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</tr>
<tr>
<td>16.</td>
<td>H SS TV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC... 100%

50/20 Rule Applied? Yes No

Remarks:

## WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydrophytic Vegetation Present? Yes or No
Wetland Hydrology Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Hydrologic Connectivity to Off-site Wetlands? Yes or No
Is this Wetland Potentially Isolated? Yes or No

Remarks: Photo Reference Number:

x:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM

ROUTINE WETLAND DETERMINATION

1987 CZM Wetland Determination Manual

Project No: 07925  Applicant: Hoaring Brook Wind Power Project  Date: 7/18/08

Investigator: Schleiss/Schwaabenhauer  Town: Marlborough

Region: Yes  Community: 6F-1-10

Do normal circumstances exist on site?  Yes  Transect/Flag ID: 6F-4

Is the site significantly damaged? Yes  Plot ID: 6F-4

Is the area a potential Problem Area?  Yes

SOILS

Series and Phase: (NFD) Nelis 10am

Drainage Class: WD  MWD  SPD  FD  VPD

Series and Phase: (NFD) Nelis 10am

Subgroup: not available  Confirm Mapped Type: Yes

Depth Horizon: 0-8"  Color: 50% dark/brown

Matrix color/Matrix color/abundance: dark/brown/none

Texture, Structure, Other: Silty 10am

Hydric Soil Indicators:

Concretion: Listed on Local Hydric Soil List

High Organic Content in Surface Layer of Sandy Soils: Listed as Potential for Hydric Soil (Only

Organic Staining in Sandy Soils: Other (Explain in Remarks)

Gleyed or Low Chroma color: Aquatic Moisture Regime

Landscape position:

convex  convex  concave  flat  undulating

Approximate slope:

Remarks: soil dry crumbly

HYDROLOGY

Recorded Data (Describe in Remarks):

No Recorded Data Available

Stream, Lake or Tidal Gauge

Aerial Photographs

Field Observations

Ground Surface Undisturbed: inches.

Soil Erosion:

Depth to Free Water: inches.

Depth to Saturated Soils: inches.

Primary Indicators:

Inundated

Secondary Indicators (2 or more required):

Saturated in upper 12 inches

Drainage Patterns in Wetland

Wetland Hydrology Indicators:

Watersheds

Drift Lines

Sediment Deposits

Lowland Soil Survey

Morphological Plant Adaptations

Other (Explain in Remarks)

Remarks:

no wetland hydrology

s:\edr office files\forma\Data Form Routine Wetland Determination.xls
# VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stem Height (inches)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Blue lobelia</td>
<td>SS T V</td>
<td>FACU</td>
<td>70</td>
</tr>
<tr>
<td>2. Blue cohosh</td>
<td>SS T V</td>
<td>NL</td>
<td>50</td>
</tr>
<tr>
<td>3. Herb robust</td>
<td>SS T V</td>
<td>NL</td>
<td>10</td>
</tr>
<tr>
<td>4. Burdock</td>
<td>SS T V</td>
<td>NL</td>
<td>10</td>
</tr>
<tr>
<td>5. Black rasp</td>
<td>SS T V</td>
<td>NL</td>
<td>10</td>
</tr>
<tr>
<td>6. Sugar maple</td>
<td>SS (O) V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>7. 3rd click</td>
<td>SS T V</td>
<td>FACW</td>
<td>50</td>
</tr>
<tr>
<td>8. 3rd click</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. 3rd click</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>SS T V</td>
<td></td>
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</tr>
<tr>
<td>11.</td>
<td>SS T V</td>
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<td>12.</td>
<td>SS T V</td>
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<td>13.</td>
<td>SS T V</td>
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<tr>
<td>14.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBS, FACW, FAC: 20%

WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydic Soil Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
<th>Remarks</th>
<th>Photo Reference Number</th>
</tr>
</thead>
</table>

Remarks:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
Data Form

Routine Wetland Determination

1997 COR Wetlands Determination Manual

Project No: 07925
Applier: Rehming Brook Wind Power Project
Investigator: Sebben/Schwenkhaus

Date: 7/16/23
Town: Martinsburg
State: NY

Community: PEM
Transport/Flag: SG 1-18
Plot ID: WSP 1 66 6G-2

Soils

Series and Phase: H(I)a Heronmer silト loam

Subgroup: not available

Depth Horizon Matrix color Matrix color/texture

12" A 1PM Red Red

Hydric Soil Indicators:

- _Ferrules_
- _Hydrated Organic Content in Surface Layer of Sandy Soils_
- _Cation Exchange Capacity of Clay Minerals (CEC)
- _Reducing Conditions of Low Chroma Color planetary

Landscape position: concave convex flat undulating sloping

Approximate slope:

Hydrology

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

Field Observations:
- Soil Surface Undulated
- Drainage Pattern: G inches.
- Soil Sloped
- Depth to Free Water: A inches.
- Depth to Saturated Soils: W inches.

Wetland Hydrology Indicators:

Primary Indicators:
- Inundated
- Standing Water
- Wetland

Secondary Indicators (2 or more required):
- Osprey Nest Channels in upper 12 inches
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarke:
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Specie</th>
<th>Stratum (xylem type)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Sedge</td>
<td>B - SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>2. Airyledge</td>
<td>A - SS T V</td>
<td>OBL</td>
<td>40</td>
</tr>
<tr>
<td>3. Soft Rush</td>
<td>H - SS T V</td>
<td>FACWL</td>
<td>40</td>
</tr>
<tr>
<td>4. Tall Top Gold</td>
<td>H - SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>5. Strawberry</td>
<td>H - SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>6. Grass Fescue</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
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<td>14.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H - SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACWL, FAC 100%

50/50 Rule Applied? ✗ No

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
**Project No:** 07925  
**Applicant:** Roaring Brook Wind Power Project  
**Investigator:** Stebbins/Schwabender  
**Commense:** Old  
**Flag:** No  
**TransactFlag ID:** E6 1-18  
**Plot ID:** 0SPZ2601G2  
**Community:** Martinsburg  
**County:** Lewis  
**State:** NY  
**SOILS**  
**Selected Phase:** Hydro  
**Subgroup:** Not Available  
**Confirm Maped Type:** Yes No  
**Depth:** 0-12  
**Hydric Soil Indicator:**  
- Dendritic  
- Botanic Elevation  
- Sulfic Ochre  
- Reducing Conditions  
- Concretion  
- High Org. Content in Surface Layer of Sandy Soils  
- Organic Streaking in Sandy Soils  
- Gray or Low Color  
- Landscape position:  
  - Concave  
  - Convex  
  - Flat  
  - Undulating  
**Remarks:**  
**HYDROLOGY**  
**Recorded Data (Describe in Remarks):**  
- No Recorded Data Available  
- Stream, Lake or Tidal Gauge  
- Aerial Photographs  
**Field observations:**  
- Ground Surface Undetermined  
- Soil Undetermined  
- Depth to Free Water  
- Depth to Saturation Soils  
**Secondary indicators (2 or more required):**  
- Undetermined  
- Oiled or Oiled 12 inches  
- Water Stained Leaves  
- Local Soil Survey  
- Morphological Plant adaptations  
- Other (Explain in Remarks)  
**Remarks:**  
**NO WETLAND
<table>
<thead>
<tr>
<th>Number</th>
<th>Vegetation Type</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Annual Grass</td>
<td>C</td>
<td>FACU/NL</td>
<td>50</td>
</tr>
<tr>
<td>2</td>
<td>Big Bluestem</td>
<td>H</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>3</td>
<td>Black Grama</td>
<td>H</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>4</td>
<td>Big Blue Stem</td>
<td>H</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>Annual Beer</td>
<td>H</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td>Annual Beets</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Annual Beets</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Annual Beets</td>
<td>H</td>
<td></td>
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<tr>
<td>9</td>
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<td>H</td>
<td></td>
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</tr>
<tr>
<td>10</td>
<td>Annual Beets</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Annual Beets</td>
<td>H</td>
<td></td>
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<tr>
<td>12</td>
<td>Annual Beets</td>
<td>H</td>
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<td>13</td>
<td>Annual Beets</td>
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</tr>
<tr>
<td>14</td>
<td>Annual Beets</td>
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<td></td>
</tr>
<tr>
<td>15</td>
<td>Annual Beets</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Annual Beets</td>
<td>H</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species: 80% FACU, FACU, FACU.

50/20 Rule Applied? Yes

Remarks:

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: Phoe Reference Number: 0781062-2
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**

1987 COI Wetland Definition Manual

---

**Project No:** 07925
**Applicant:** Horning Brook Wind Power Project

**Investigator:** Stebbins/Schwartzlander

**Date:** 10/6/08

**CommUNITY:** Pulaski
**County:** Lewis
**State:** NY

---

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Houseville silt loam</td>
<td>WD (A)</td>
</tr>
</tbody>
</table>

**Subgroup:** Not available

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizons</th>
<th>Metric Color</th>
<th>Matrix Core/Abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-12&quot;</td>
<td>A</td>
<td>10/48/3/1</td>
<td>C00/7</td>
<td>silt loam</td>
</tr>
<tr>
<td>12-16&quot;</td>
<td>A/B</td>
<td>10/48/3/1</td>
<td>C00/7</td>
<td>silt loam</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydric Soil Indicators</th>
<th>Comment/Explanation</th>
<th>Comment/Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>HiMo</td>
<td>Connateless</td>
<td>Listed on Local Hydric Soil List</td>
</tr>
<tr>
<td>Home Epipods</td>
<td>Nutrient mineral</td>
<td>Listed as Potential for Hydric Inclusions Only</td>
</tr>
<tr>
<td>Sulfic OId</td>
<td>Organic, Sinking</td>
<td>Other (Explain in Remarks)</td>
</tr>
<tr>
<td>Reducing Conditions</td>
<td>Glycol or Low Chroma color</td>
<td>Aquatic Macro-Regime</td>
</tr>
</tbody>
</table>

**Landscape position:** concave

**Approximate slope:**

---

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**
- No Recorded Data Available
- Stream, Lake or Tidal Gorge
- Aerial Photographs

**Field Observations:**
- No Overbank Surface Inundated
- N/A inches

**Depth to Free Water:**
- N/A inches

**Depth to Saturation Soil:**
- N/A inches

**Wetland Hydrogeology Indicators:**

**Primary Indicators:**
- Inundated
- Saturation to 12 inches
- Water table
- Drainage Patterns in Wetland

**Secondary Indicators:**
- Oxidized Root Channels in upper 12 inches
- Water-Stained Soils
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

---

**Remarks:**

---

**s:\\ydir office files\formats\Data Form Routine Wetland Determination.xls**
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (under)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cathays</td>
<td>B S S T V</td>
<td>OBL</td>
<td>75.2</td>
</tr>
<tr>
<td>Phalaris</td>
<td>B S S T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>Sensitive Fern</td>
<td>C S S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>Fox sedge</td>
<td>B S S T V</td>
<td>FACW</td>
<td>25</td>
</tr>
<tr>
<td>Cutence Grass</td>
<td>D S S T V</td>
<td>OBL</td>
<td>30</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW / %

#### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number: 816108
Date: 6/4/88

Investigator: Stedman/Schwabesnauer

Do normal circumstances exist on site? Yes
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

Series and Place: (HeRA) Houseville silt loam

Clay:

Depth Horizon Matrix color Mottle color/abundance Tentative Structure, Other

Hydric Soil Indicators:

Methods

High Oligo, Content in Surface Layer of Sandy Soils Organic Soaking in Sandy Soils Glycol or Low Chroma color

Listed on Local Hydric Soils List Listed as Potential for Hydric Inclusions Only Aquatic Moisture Regime

Listed as Local Hydric Soils List Listed as Potential for Hydric Inclusions Only Aquatic Moisture Regime

Landscape position: concave convex sloping Approximate slope:

Remarks: soils plowed large mixed no horizons

HYDROLOGY

Field Observations

Recorded Data (Describe in Remarks)

Ground Surface Inundated inches

No Recorded Data Available Soil Saturated

Stream, Lake or Tide Gorge Depth to Free Water inches

Aerial Photographs Depth to Saturated Soils inches

Wetland Hydrology Indicators:

Inundated

Saturation in upper 12 inches

Secondary indicators (2 or more required)

Drift Lines Oxidized Root Channels in upper 12 inches

Sediment Deposits Water-Stained leaves

Drainage Patterns in Wetland Local Soil Survey

Remarks: no wetland hydrology

s/ldr office files/forms/Data Form Routine Wetland Determination.xls
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  W  h  e  t  e  c  o  c  a</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>40</td>
</tr>
<tr>
<td>2  a  r  a  b  e  l  m  e  n  t  a  r  o  n  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>25</td>
</tr>
<tr>
<td>3  p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>10</td>
</tr>
<tr>
<td>4  p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>5  p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>6  p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>7  p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>8  p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>9  p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>10 p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>11 p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>12 p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>13 p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>14 p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>15 p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
<tr>
<td>16 p  l  a  n  t  a  r  -  n  a  l  p  l  a  n  t  a  r  i  s</td>
<td>H SS T V</td>
<td>FACU-</td>
<td>0</td>
</tr>
</tbody>
</table>

Remarks: Field recently mowed

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydric Soils Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Is this Wetland Potentially Isolated? Yes or No

Remarks: Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**
**28/7 CEW Wetlands Determined by Harris**

**Project #:** 07025  
**Applicant:** Reaching Brook Wind  
**Date:** 3/21/09  
**Investigator:**  
**Town:** Martinsburg  
**County:** Lewis  
**State:** WV

- **Continuance Type:** Sand to limn edge
- **Water Flag or Data Point:** 6.6' - 4'
- **Debris Line ID (if any):** 28/7 Wetland G

### SOILS

**Soil Series and Phase:** (PHD) Holand Silt Loam  
**Drainage Class:** A

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color abundance</th>
<th>Tenure Status</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-14</td>
<td>A</td>
<td>10% gray</td>
<td>10% gray, Few &gt; 9’</td>
<td>Silt loam</td>
<td></td>
</tr>
<tr>
<td>14+</td>
<td>B</td>
<td>10% gray</td>
<td>10% gray, Common</td>
<td>Clay loam</td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- **Materials:**  
- **Soil Region:**
- **Drainage Potential:**
- **Soil Color:**
- **Soil Structure:**
- **Soil Composition:**
- **Soil Reaction:**
- **Soil Texture:**
- **Soil Water Content:**

**Remarks:**

### HYDROLOGY

- **Recorded Data (Describe in Remarks):**
  - Recorded Data Available: No Recorded Data Available
  - Aerial Photographs

**Field Observations:**
- **Ground Surface Undrained:** 2-3 inches
- **Soil Saturated:**

- **Depth to Free Water:** 6 inches
- **Depth to Saturated Soil:**

**Wetland Hydrology Indicators:**

<table>
<thead>
<tr>
<th>Primary Indicators</th>
<th>Secondary Indicators (if more required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Water Listed</td>
<td>Outstanding Flow Channels in upper 12 inches</td>
</tr>
<tr>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Gas Ventuation</td>
<td>Water Stagnation</td>
</tr>
<tr>
<td>X</td>
<td>Local Soil Survey</td>
</tr>
<tr>
<td>Drift Flow</td>
<td>Morphological Plant Adaptations</td>
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<tr>
<td>X</td>
<td>Other (Explain in Remarks)</td>
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</tbody>
</table>

**Remarks:**

---

1st day office file/normal/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Domain Plant Species</th>
<th>Stratums (cont'd =)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sedges</td>
<td>SS T V</td>
<td>FACW/DBL</td>
<td>20</td>
</tr>
<tr>
<td>green bulrush</td>
<td>SS T V</td>
<td>DBL</td>
<td></td>
</tr>
<tr>
<td>bent</td>
<td>SS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
</tbody>
</table>

**Remarks:**

**WETLAND DETERMINATION**

- Hydrophytic Vegetation Present? **Yes** No
- Hydrice Soils Present? **Yes** No
- Wetland Hydrology Present? **Yes** No
- Is this Sampling Point Within a Wetland? **Yes** No
- Hydrologic Connection to Off-site Wetlands? **Yes** No
- Is this Wetland Potentially Impaired? **Yes** No

**Remarks:**

*Photo Reference Number:*

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
Project No: 07025
Applicant: Horning Brook Wind
Investigator: Martin Tremblay/Schubert

Data Form
ROUTINE WETLAND DETERMINATION
HFD COE Wetland Determination Module

Date: 9/21/02
Town: Monteagle
County: Lewis
State: NY

Do unusual circumstances exist on site? Yes No
Community Type: Old Field

Is the site significantly disturbed? Yes No
Numerous Flag To Data Form: 6-4

Is the area a potential Positive Area? Yes No
Data Form Ed. (6-26-02): 6-6

SOILS
Series and Phase: soland silt loam
Deposition Class: C Seaward Drift
Subgroup: not available
Contour Mapped Type: C-4s

<table>
<thead>
<tr>
<th>Depth</th>
<th>Subgroup</th>
<th>Munsell Value</th>
<th>Matrix Characteristics</th>
<th>Texture, Structure, Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-8</td>
<td>A</td>
<td>10V6Y6</td>
<td>None</td>
<td>Silt loam</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators

- Minerals: none
- Sodic Soils: none
- Reducing Conditions: none
- Landscape position: none
- Aquatic moisture regime: none

Remarks: No hydric soil indicators noted.

HYDROLOGY

- Summarized Data (Describe in Remarks)
  - No Relevations Available
  - Stream, Lake, or Tidal Grazing
  - Aerial Photographs

- Field Observations
  - Ground Surface Inundated __________ inches
  - Soil Saturation

- Wetland Hydrology Indicators
  - Primary Indicators
    - Intermittent
    - Seasonal in upper 1 - 3 inches
    - Water Stands
    - Delta Lines
    - Subsidiary Impounded
    - Disturbance Patterns in Wetland

- Secondary Indicators (if more required)
  - Organic Root Channels in upper 1 - 3 inches
  - Younger Stands
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

Remarks: No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Density (seeds/m²)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Canada goldenrod</td>
<td>SS T V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>2. Timothy</td>
<td>SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>3. Orchard grass</td>
<td>SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>4. Common Vetch</td>
<td>SS T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>5. Tassell</td>
<td>SS T V</td>
<td>NC</td>
<td>10</td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td></td>
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<td>8.</td>
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<tr>
<td>10.</td>
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<td></td>
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<tr>
<td>11.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>12.</td>
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<td></td>
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<tr>
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<td></td>
</tr>
<tr>
<td>14.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBS, FACW, FAC

Percent of Dominant Species OBS, FACW

SW20 Rule Applied? Yes No

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soil Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Hydrologic Connectivity to Off-site Wetlands?** Yes or No
- **Is this Wetland Potentially Isolated?** Yes or No

Remarks:

Photo Reference Number: 

s\vedr\office\files\FormalData Form Routine Wetland Delineation.xls
Project #: 07025  Applicant: Raritan Brook Wood
Investigator: [Name]

Date: 9/20/08
Town: Martinburg
County: Lewis
State: NY

De-annual circumference exist on site? Yes
Nearest Flag To Data Point: 60'-4"

Soils
Series and Phase: (NLD) Nellis 100m
Subgroup: not available

Hydric Soil Indicators:
- Standing
- Saturated
- High Org. Content in Surface Layer of Sandy Soils
- Organic Maturing in Sandy Soils
- Ground Water table in Greatest depth to water table
- Riparian Forest

Remarks: Many large flat rocks in the area, likely exposed portions of Hough's Cave.

Hydrology
- Recorded Data (Description or Remarks)
- No Recorded Data Available
- Aerial Photographs

Field Observations:
- Ground Surface in drained 2'-4' inches
- Soil Steepness
- Depth above water 0 inches
- Depth to saturated soils 0 inches

Secondary Substrate (L to r, more exposed):
- Drainage in sandy soils
- Water Stained
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (Precip)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>DBL</td>
<td>50</td>
</tr>
<tr>
<td>D</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>D</td>
<td>FACW+</td>
<td>10</td>
</tr>
<tr>
<td>D</td>
<td>FACW+</td>
<td>10</td>
</tr>
</tbody>
</table>

#### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (Precip)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
</table>

#### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes/No */No*
- **Hydrologic Connectivity to Off-site Wetlands?** Yes/No */No*
- **Is this Sampling Point Within a Wetland?** Yes/No */No*
- **Is this Wetland Potentially Isolated?** Yes/No */Yes*
### DATA FORM

**ROUTE WETLAND DETERMINATION**

**1991 (WET) Wetland Determination Model**

**Project No:** 97025  
**Applicant:** Roaring Brook Wood  
**Date:** 9/20/88  
**Institute:**  
**Community Type:** Old Field  
**County:** Lewis  
**State:** NY  
**Location:** Mattinburg  
**Town:**  
**Date Point ID (for 2W02@Wetland G):** 1L1C03 wetland 6M61

### SOILS

**Series and Place:** (NLD) NELLIS LOAM  
**Drainage Class:** SP G  
**Subgroup:** Not Available  
**Category Mapped Type:**  
**Depth**  
| 0-10 | A | 18163B | None |  
| 10+ | B | 7568/4 | None | Silt loam  

### HYDROLOGY

**Aerial Photographs:**  
**No Recorded Data Available**  
**Statue, Lake or Title Grays:**  
**Recorded Data (Describe in Remarks):**  

### HYDROLOGY INDICATORS

**Primary Indicators:**  
- **Streamline**  
- **Saturated in upper 12 inches**  
- **Water Stains**  
- **Ditch**  
- **Groundwater Depression**  
- **Drainage Patterns in Wetland**  

**Secondary Indicators (if more required):**  
- **Graded Site Channel in upper 12 inches**  
- **Water-Transmitting Rocks**  
- **Local Soil Survey**  
- **Morphological Plant Adaptations**  
- **Other (Explain in Remarks):**

### REMARKS

- No hydric soil indicators noted.  
- No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Rank</th>
<th>Plant Species</th>
<th>Stem</th>
<th>Tame</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Orchard grass</td>
<td>T</td>
<td>S</td>
<td>FACW</td>
<td>50</td>
</tr>
<tr>
<td>2</td>
<td>Common Hawkweed</td>
<td>T</td>
<td>S</td>
<td>NL</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>Hazel</td>
<td>T</td>
<td>S</td>
<td>FACW</td>
<td>10</td>
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<tr>
<td>4</td>
<td>NE Arse</td>
<td>T</td>
<td>S</td>
<td>FACW</td>
<td>10</td>
</tr>
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<td>5</td>
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<td>T</td>
<td>S</td>
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<td>6</td>
<td></td>
<td>T</td>
<td>S</td>
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<tr>
<td>7</td>
<td></td>
<td>T</td>
<td>S</td>
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<td>T</td>
<td>S</td>
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<td>T</td>
<td>S</td>
<td></td>
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<tr>
<td>10</td>
<td></td>
<td>T</td>
<td>S</td>
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<td>11</td>
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<td>T</td>
<td>S</td>
<td></td>
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<td>S</td>
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<td>S</td>
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<td>T</td>
<td>S</td>
<td></td>
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<td>15</td>
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<td>T</td>
<td>S</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>T</td>
<td>S</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC_ __________

50/20 Rule Applied? Yes No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrophytic Vegetation Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number

s:\adr\office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1990 COE Regional Documents Series

Prep No: 0735
Applicant: Roaring Brook Wind
Investigator: Trentham/Schweinbauer

Date: 9/11/08
Town: Mariasburg
County: Lewis
State: NY

Community Type: Stream + IC + W

Is the area a potential Problem Area? Yes

Data Point ID (i.e. 298@Wetland #)? 10 @ 6N

SOILS
Series and Phase: RF-E Rough Broken Land
Drainage Class: WD WD WD SP PD PD

Subsoil: (not available)

Depth Section Mean color

Hydro Soil Intruments:

Landscape position: concave X convex

Remain: IC - mix of silt & stone substrate
Stream - rock/gravel/boulder mix

HYDROLOGY
% Recorded Data (Explain in Remarks)

Field Observations:

Crested Surface Inundated

Soil Sediment

Depth to Free Water

Depth to Seasoned Soils

Wetland Hydrology Indicators:

Primary indicators:

Secondary indicators (2 or more present)

Remarks:

Wide gauge (approx 240-300 ft wide) with the most bank significantly higher.

Stream width ~ 15-20 ft wide (avg). 6" Avg depth, 1-2" on riffles

Moderate gradient; flow
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Flora (Code No)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank veg:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red maple</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blackberry bush</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wood fern</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastern hemlock</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow birch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow birch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

- No veg in stream bed
- Banks of stream obscured by upland veg.

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soil Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
<td>Is this Wetland Permanently Isolated?</td>
<td>Yes or No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

- No upland sample point taken.
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07925  Applicant: Roaring Brook Wind  Date: 9/22/08
Investigator: ________________  Site: ________________
Class: Class 65  Location: ________________

Town: Martinsburg  County: Lewis
State: NY

SOILS
Series and Phase: (CAB) Canadar 5/4/10am  Drainage Class: WD-CAD WD SPD F0 VPD
Series Group: Not Available  Conform Mapped Type: No

Depth

<table>
<thead>
<tr>
<th>Horizon</th>
<th>Metric Color/Description</th>
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</thead>
<tbody>
<tr>
<td>0-5</td>
<td>1074.14</td>
</tr>
<tr>
<td>6-10</td>
<td>1074.75</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:

- High Organics
- Sedge Hairs
- Peat and other Organic Accumulations

Note: No

Remainder: Stream - rock gravel substrata

HYDROLOGY

Ground Surface Inundated: 1 inch

Secondary Indicators (2 or more required):

- Opaque Run Channels up to 12 inches
- Water Stained Leaks
- Local Soil Survey
- Micromorphological Plant Assemblages
- Other (Explain in Remarks)

Remarks: Series of hillside IC's draining to wet area to Per vgs, ultimately draining to stream. Numerus gull nests and areas of shallow water. Buckets of study water.
VEGETATION

Dominant Plant Species:

<table>
<thead>
<tr>
<th></th>
<th>Stratum (code net)</th>
<th>Indicator:</th>
<th>% Cover:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>red maple</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>2</td>
<td>red maple</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Spotted jewelry</td>
<td>FAC</td>
<td>70</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>FAC/001</td>
<td>20</td>
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<tr>
<td>6</td>
<td>sensitive sumac</td>
<td>FAC/001</td>
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<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 50%

Remarks: No veg. in stream bed & banks observed by upland & wetland

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No
Hydric Soil Present? Yes No
Is this Sampling Point Within a Wetland? Yes No
Is this Wetland Potentially Isolated? Yes No

Remarks: Photo Reference Number: s:ledr office files/forms/Data Form Routine Wetland Delineation.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Rank</th>
<th>Dominant Plant Species</th>
<th>Support code</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>2</td>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FACU</td>
<td>35</td>
</tr>
<tr>
<td>4</td>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>yellow birch</td>
<td>H SS T V</td>
<td>FACU</td>
<td>70</td>
</tr>
<tr>
<td>6</td>
<td>red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>50</td>
</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

- **Hydrophobic Vegetation Present?** Yes or No
- **Hydric Soil Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Is the Sampling Point Within a Wetland?** Yes or No
- **Hydric Connectivity to Off-site Wetlands?** Yes or No
- **Is this Wetland Potentially Isolated?** Yes or No

### Remarks:

$s:/adr office files/forms/Data Form Routine Wetland Delineation.xls$
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1997 CDF Western Dune Area Manual**

---

**Project No: 07975**  
**Applicant:** Roaring Brook Wind  
**Investigator:**  

<table>
<thead>
<tr>
<th>Community Type</th>
<th>CDF</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Site Information:**  
**Date:** 9/3/98  
**Town:** Marlsburg  
**County:** Lewis  
**State:** NY  

---

**SOILS**  
**Series and Phase:** PeO  
**Parent Material:** **Haplic Alba**  
**Depth:** 0-7  
**Moisture:** A  

<table>
<thead>
<tr>
<th>Moisture Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydrologic Soil Indicators:**  
**Concentrations**  
**High Org. Content or Surface Layer of Sandy Soils**  
**Satur. Oxit.**  

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available</td>
<td>No</td>
<td></td>
<td></td>
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</tbody>
</table>

**Hydraulic Soil Indicators:**  
**Ground Water Level:**  
**Organic Accumulation:**  
**Dichromate Oxidation:**  
**Sulfate Reduction:**  
**Grossly Low Conductivity:**  
**Grossly Low Conductivity:**  

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available</td>
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<td></td>
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</table>

**Field Observations:**  

<table>
<thead>
<tr>
<th>Field</th>
<th>Observation</th>
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<tbody>
<tr>
<td>Ground Surface Translucent</td>
<td></td>
</tr>
<tr>
<td>Soil: Saturated</td>
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</tr>
<tr>
<td>Depth to Free Water</td>
<td>2.3 feet</td>
</tr>
<tr>
<td>Depth to Saturated Soil</td>
<td>0 inches</td>
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</table>

**Wetland Hydrology Indicators:**  
**Primary Indicators:**  
**Drainage:**  
**Saturated in upper 12 inches:**  
**Water Stagnation:**  
**Drift Lines:**  
**Drainage Patterns in Wetland:**  

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Secondary Indicators:**  
**Drainage Channel:**  
**Water-Bound Leaves:**  
**Local Soil Survey:**  
**Morphological Plant Adaptations:**  
**Other:**  

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**  
Hummocky. Some hillside seeps feeding this area.

---

**HYDROLOGY**  
**Received Data:** (Describe in Remarks)  
**No Received Data Available**  
**Aerial Photographs:**  

<table>
<thead>
<tr>
<th>Type</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available</td>
<td>No</td>
<td></td>
<td></td>
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</tbody>
</table>

**Remarks:**  
Hummocky. Some hillside seeps feeding this area.
## VEGETATION

<table>
<thead>
<tr>
<th>Rank</th>
<th>Plant Species</th>
<th>Stratum</th>
<th>Indication</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>green ash</td>
<td>H SS (2) V</td>
<td>FACW</td>
<td>25</td>
</tr>
<tr>
<td>2</td>
<td>cottonwood</td>
<td>H SS (2) V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>red maple</td>
<td>H SS (2) V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>4</td>
<td>cottonwood</td>
<td>H SS (2) V</td>
<td>FAC</td>
<td>35</td>
</tr>
<tr>
<td>7</td>
<td>cottonwood</td>
<td>H SS (2) V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>8</td>
<td>sensitive fern</td>
<td>H SS (2) V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>9</td>
<td>sedge</td>
<td>H SS (2) V</td>
<td>FACW</td>
<td>60</td>
</tr>
</tbody>
</table>

### REMARKS:

Percent of Dominant Species OBL, FACW, FAC: **50%**

50/20 Rule Applied: Yes

Percent of Dominant Species OBL, FACW, FAC: **50%**

### WETLAND DETERMINATION

Hydrophytic Vegetation Present: Yes

Hydric Soils Present: Yes

Hydrology Determined to Be Wetland: Yes

Is the Sampling Point Within a Wetland: Yes

Remarks:

Photo Reference Number:

s:\edr-office\files\forms\Data Form Routine Wetland Delineation.xls
Project No: 07025  Applicant: Roaring Brook Wind
Investigator: Trenhold/Schnabler

Date: 9/2/05
Town: Martinsburg
County: Lewis
State: NY

SOILS

Series and Phase: P2C
Subgroup: Not Available
Drainage Class: Not Mapping

Depth | Horizon | Matrix issue | Matrix predominantsoil | Topsoil
------|---------|--------------|------------------------|------
0-8   | A       | 1041/25      | None                   | Silt Loam
8-12  | B       | 721/45       | None                   | Silt Loam

Hydric Soil Indicators:
- None

Landscape position:
- None

Remarks:
- No hydric soil indicators noted.

HYDROLOGY

Recorded Data (Describe in Seminars)
- No Recorded Data Available
- Storm, Lake or Tidal Gauge
- Ann. Thermograph

Hydric Surface Indicators:
- None

Vegetation:
- None

Secondary Indicators (2 or more required)
- Unknown

Remarks:
- No wetland hydrology noted.

1) Send office files to Form/DATA FORM Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Domain Plant Species</th>
<th>Stratum (spheno)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Cottonwood</td>
<td>H SS O V</td>
<td>FAC</td>
<td>70</td>
</tr>
<tr>
<td>2 Yellow Birch</td>
<td>H SS O V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>3 Lirios Sp.</td>
<td>H SS T V</td>
<td>FAC/FACU</td>
<td>55</td>
</tr>
<tr>
<td>4 Cattail</td>
<td>H SS T V</td>
<td>FAC</td>
<td>25</td>
</tr>
<tr>
<td>5 Yellow Birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>6 Wood fern</td>
<td>E SS T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>7 Canada Goldenrod</td>
<td>B SS T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>8 Yellow Birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>9 Yellow Birch</td>
<td>H SS T V</td>
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<td>10 Cottonwood</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 Yellow Birch</td>
<td>H SS T V</td>
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<td>12 Cattail</td>
<td>H SS T V</td>
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<td></td>
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<td>13 Yellow Birch</td>
<td>H SS T V</td>
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<td></td>
</tr>
<tr>
<td>14 Cottonwood</td>
<td>H SS T V</td>
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<td></td>
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<tr>
<td>15 Yellow Birch</td>
<td>H SS T V</td>
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<td></td>
</tr>
<tr>
<td>16 Cottonwood</td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: \(19\%\)

10/20 Rule Applied: Yes

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soil Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No
- Hydrologic Connectivity to Other Wetlands? Yes or No
- Is this Wetland Potentially Isolated? Yes or No

Remarks:

s:\\edr office files forms\Data Form Routine Wetland Deinition.xls
## DATA FORM
### ROUTINE WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Project No:</th>
<th>07325</th>
<th>Sampled:</th>
<th>Roaring Brook Road</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investigator:</td>
<td>John Doe</td>
<td></td>
<td>schwabenklaus</td>
</tr>
</tbody>
</table>

**Date:** 9/21/08  
**Town:** Charting  
**County:** Lewis  
**State:** NY

**Soils**

| Series and Phase | (PEC) Penchrey  
| Subgroup: |  
| Color: | P195 |  

**Drainage Class:**  
**Conservation Type:** Stream  
**Conservation Status:** Penl  
**Conservation Type Code:** Stream  
**Conservation Status Code:** Penl

<table>
<thead>
<tr>
<th>Depth (in)</th>
<th>0.6</th>
<th>0.8</th>
<th>1.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizon</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>Mapped Color</td>
<td>107.4%</td>
<td>107.9%</td>
<td>Med. Abandoned</td>
</tr>
<tr>
<td>Mapped Color Abundance</td>
<td>Non</td>
<td>Non</td>
<td>Non</td>
</tr>
</tbody>
</table>

**Hydrogeological Indicators:**  
**Horizons:**
- **Conservation:**
  - High Organic Content
  - Surface Water
- **Interior Conditions:**
  - Organic Bounding
  - Decline of Line Strata color

**Landscape Position:**
- **Surface:**
  - Stream  
- **Substrate:**
  - Cobble  
- **Shale Substrate**

**Remarks:** Stream is cobble, shale substrate.

## HYDROLOGY

**Field Observations:**
- **Ground Surface Condition:**
  - No Recorded Data Available  
- **Soil_texture:**
  - Stream, Lake or Tidal Grazing  
- **Land Use:**
  - No Land Use  
- **Depth to Free Water:**
  - 1.8 inches  
- **Drainage Stratified Soils:**
  - 0 inches

**Wetland Hydrology Indicators:**

| Primary Indicators: | | |
|---------------------|------------------|
| **Indicators:** | | |
| **Secondary Indicators:** | | |
| **Indicators:** | | |

**Remarks:**
- Stream (periennial) - Avg. width: 3-5 ft. Avg. depth: 1-3 in.
  - **Moderate Flow:**
  - **Gradient:**

S/4dr office files/forms/Data Form Routine Wetland Determination.xlsx
**VEGETATION**

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>No veg in area</td>
<td></td>
</tr>
<tr>
<td>Banks</td>
<td></td>
</tr>
<tr>
<td>Sensitive fern</td>
<td></td>
</tr>
<tr>
<td>Wood horne</td>
<td></td>
</tr>
<tr>
<td>Orchard grass</td>
<td></td>
</tr>
<tr>
<td>Red maple</td>
<td></td>
</tr>
<tr>
<td>Yellow birch</td>
<td></td>
</tr>
<tr>
<td>Eastern hemlock</td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL: FACW, FAC = 73%

Percent of Dominant Species OBL: FACW = 45%

50/20 Rule Applied? No

Remarks: Banks well defined but obscured by a mix of up.

**WETLAND DETERMINATION**

- Hypophytic Vegetation Present? No
- Hydric Soils Present? No
- Wetland Hydrology Present? No
- Is this Sampling Point Within a Wetland? No
- Hydrologic Connections to Off-site Wetlands? No
- Is this Wetland Potentially Inland? Yes

Remarks: Photo Reference Number:

[1] /home/scr/admin/forms/Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07225  Applicant: Rosario Brook Wind
Investigator: Tremblay/Schubert

Date: 3/21/08  Times: 12/25  County: Lewis
Location: NY

Do normal riparian vegetation exist on site? [ ] No [ ] Yes
Is the site significantly disturbed? [ ] No [ ] Yes

Commentary Type: NDF/Headcut

Nearest Flag To Data Point: 6R 25
Data Point ID (Use 2N@WetlandID):

SOILS
Series and Phase: (PEC) Aicham 0.5/1.0
Subgroup: Not Available
Depth [ ] 0-9 [ ] 9.1
Hydric Soil Indicators:

Drainage Class: [ ] HWD [ ] SPD [ ] FYD
Confined Map Type: [ ] Yes [ ] No
Texture, Structure, Other: Silt 1/2
None

Landscape position: convex convex

Remarks:
No hydric soil indicators noted.

HYDROLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available

Stream, Lake or Tidal Usage

Aerial Photographs

Hydrologic Indicators:

Field Observations:

Drainage Pattern in Wetland

Wetland Hydrology Indicators:

Primary Observations:

Secondary Indicators (if more required):

Remarks:
No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stem Diameter (mm)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>yellow birch</td>
<td>5</td>
<td>FAC</td>
<td>60</td>
</tr>
<tr>
<td>eastern hemlock</td>
<td>7</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>Wood fern</td>
<td>7</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>ground pine</td>
<td>7</td>
<td>FACW/FACL</td>
<td>10</td>
</tr>
</tbody>
</table>

**Remarks:**
minimal herb layer, no shrub layer, 100% canopy cover!

---

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes
- **Hydraulic Slope Present?** Yes
- **Is this Sampling Point Within a Wetland?** Yes
- **Hydrologic Connectivity to Off-site Wetlands?** Yes
- **Is this Wetland Potentially Isolated?** Yes

**Remarks:**

"Wet office files/forms/Data Form Routine Wetland Delineation.xls"
Project No: 07-025  Applicant: Hearing Brock Wind Power  Date: 8/12/08  Town: Martinsburg  County: Lewis  State: NY  Investigator: Schwabauer

Do normal circumstances exist on site?  No  Community Type: Prem Wm

Is the site significantly disturbed?  No  Nearest Flag To Data Point: 2S-4

Is the area a potential Problem Area? Yes  Data Point ID (i.e. 2W@Wetland-C): 1W Q wthcl 2S

SOILS
Series and Phase: (PEC) Anchorage

Subgroup: not available

Confined Mapped Type: C No

Legend:

Depth  Texture, Structure, Other  Mottle color/mottled abundance  Matrix color

0-2  clay loam  10YR 5/6 10YR 5A Medium

8+  clay loam  10YR 5A 10YR 5A Common

Hydric Soil Indicators:

Topsoil:

- Oligosol
- High Org. Content in Surface Layer of Sandy Soils
- Gleyed or Low Chroma color
- Listed on Local Hydric Soils List
- Listed as Potential for Hydric Inclusions Only
- Aquatic Moisture Regime
- Other (Explain in Remarks)

Landscape position:

- concave
- convex
- flat
- undulating

Approximate slope: 5%/12

Remarks:

Small intermittent channel, approx. 2'-3' wide

HYDROLOGY

Recorded Data (Describe in Remarks)

- No Recorded Data Available
- Stream, Lake or Tide Gauge
- Aerial Photographs

Field Observations:

- Grand Surface Inundated: 2 inches
- Soil Satuated

Depth to Free Water: 0 inches

Depth to Satuated Soils: 0 inches

Wetland Hydrology Indicators:

Primary Indicators:

- Uninundated
- Saturated in upper 12 inches
- Water Stains
- Drift Lines
- Sediment Deposits
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required):

- Oxidized Root Channels in upper 12 inches
- Water-Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

- 1W Q wthcl 2S

s/edcr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (size class)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joe-pye weed</td>
<td>D S S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>horsetail</td>
<td>D S S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>false  aspen</td>
<td>D S S T V</td>
<td>FACW, OBL</td>
<td>20</td>
</tr>
<tr>
<td>sensitive fern</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>silky dogwood</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC:** 100%

**502(d) Rule Applied:** Yes

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** No
- **Hydric Soils Present?** No
- **Wetland Hydrology Present?** No
- **Is this Sampling Point Within a Wetland?** No
- **Hydrologic Connectivity to Off-site Wetlands?** No
- **Is this Wetland Potentially Isolated?** Yes

**Remarks:**

- Photo Reference Number:

---

s:\edr office filesforms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**Routine Wetland Determination**

**1997 CDE Wetlands Definition Manual**

<table>
<thead>
<tr>
<th>Project No:</th>
<th>07-625</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant:</td>
<td>Hearing Brooch Wind Power</td>
</tr>
<tr>
<td>Investigator:</td>
<td>Schwabenbauer</td>
</tr>
<tr>
<td>Date:</td>
<td>3/2/03</td>
</tr>
<tr>
<td>Town:</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County:</td>
<td>Lewis</td>
</tr>
<tr>
<td>State:</td>
<td>NY</td>
</tr>
</tbody>
</table>

**SOILS**

| Series and Phase: | (PEC) Appley clay silt loam |
| Subgroup: | not available |
| Drainage Class: | WD/WD/SPD/PD/VPD |

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Metric Color</th>
<th>Metric color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>B</td>
<td>10R 3/2</td>
<td>None</td>
<td>silt loam</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Concave</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Initial Conditions</td>
<td></td>
</tr>
<tr>
<td>High Organic Contents in Surface Layer of Sandy Soils</td>
<td></td>
</tr>
<tr>
<td>Organic Streaking in Sandy Soils</td>
<td></td>
</tr>
<tr>
<td>Obvly or Low Chroma Color</td>
<td></td>
</tr>
<tr>
<td>Landscape Position:</td>
<td>Concave</td>
</tr>
<tr>
<td>Flat</td>
<td></td>
</tr>
<tr>
<td>Convex</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

**HYDROLOGY**

- Recorded Data (Describe in Remarks)
  - No Recorded Data Available
  - Stran, Lake or Tide Gauge
  - Aerial Photographs

- Field Observations
  - Ground Surface Inundated: ___ inches.
  - Soil Saturated: ___ inches.
  - Depth to Free Water: ___ inches.
  - Depth to Saturated Soil: ___ inches.

**Wetland Hydrology Indicators:**

- Primary Indicators
  - Inundated
  - Saturated in upper 12 inches
  - Water Mires
  - Drift Lines
  - Sediment Deposits

- Secondary Indicators (2 or more required)
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained Areas
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks:**

No [Wetland Hydrology noted](http://vedr.office/file/form/Data Form Routine Wetland Determination.xls)
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada Goldieae</td>
<td>R</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>Timothy</td>
<td>R</td>
<td>FACW</td>
<td>25</td>
</tr>
<tr>
<td>Common vetch</td>
<td>R</td>
<td>NL</td>
<td>25</td>
</tr>
<tr>
<td>Gay legume</td>
<td>H</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Common birdfoot</td>
<td>H</td>
<td>NL</td>
<td>15</td>
</tr>
<tr>
<td>H</td>
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</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 70

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No
- Hydric Soils Present? Yes or No
- Wetland Hydrology Present? Yes or No
- Is this Sampling Point Within a Wetland? Yes or No
- Hydrologic Connectivity to Off-site Wetlands? Yes or No
- Is this Wetland Potentially Isolated? Yes or No

Remarks:

Photo Reference Number:

s:\edr\office\files\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07055
Applicant: Roaring Brook Wind

Investigator: Pippin/Trembley

Data Form: Routine Wetland Determination

Wetland Type: Stream (Roaring Brook)

Date: 8/20/05
Town: Martinsburg
County: Lewis
State: NY

Community Type: Stream (Roaring Brook)
National Flag To Data Point: 35-5
Data Port ID (if 2): W

SOILS
Series and Phase: C (TJ) TufHill story sit loam
Subgroup: not available

Depth Horizon Matrix Color Matrix color-abundance

Hydric Soil Indicators:

Materials: 

- High Organic Content in Surface Layer of Sandy Soils
- Organic Soaking in Sandy Soils
- Sediment Coloring
- Clay or Low Chroma color

Drainage Close: WD MVW SPD PD

Limitations on Drainage: Limited to Local Hydric Soils Only

Hydric Soil Inclusions:

- Limited as Potential for Hydric Indicators Only
- Other (Explain in Remarks)
- Areal Moisture Regions

Landscaper position:

- Soil survey
- sleeping

Remarks: Substrat - rock

HYDROLOGY

- No Recorded Data

Field Observations:

- Ground Surface Incised:

- Soils Survey

- Depth to Free Water:

- Depth to Saturated Soils:

Wetland Hydrology Indicators:

Primary Indicators:

- Incised:
- Saturated in upper 12 inches
- Water Marsh
- DEP Lines
- Sediment Depress
- Drainage Patterns in Wetland

Secondary Indicators (12 or more required):

- Childhead Root Channels in upper 12 inches
- Water-Stained leaves
- Late Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

- Stream: any width: 30-40 ft.
- Depth: > 12

moderate - low flow

moderate gradient

A pdf office file forms/Data Form - Routine Wetland Determination.xls
# VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (code - alt)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red osier dogwood</td>
<td>H SS T V</td>
<td>FACW+</td>
<td></td>
</tr>
<tr>
<td>Silky dogwood</td>
<td>H SS T V</td>
<td>FACW</td>
<td></td>
</tr>
<tr>
<td>Rubus sp.</td>
<td>H SS T V</td>
<td>FAC/FAW</td>
<td></td>
</tr>
<tr>
<td>Spotted jewelweed</td>
<td>H SS T V</td>
<td>FACW</td>
<td></td>
</tr>
<tr>
<td>Common burdock</td>
<td>H SS T V</td>
<td>NL</td>
<td></td>
</tr>
<tr>
<td>Purple loosestrife</td>
<td>H SS T V</td>
<td>FACU</td>
<td></td>
</tr>
<tr>
<td>Canada goldenrod</td>
<td>H SS T V</td>
<td>FACU</td>
<td></td>
</tr>
<tr>
<td>Bentgrass</td>
<td>H SS T V</td>
<td>FACW+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
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<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL: FACW, FACW: 63%
Percent of Dominant Species OBL: FACW, FACW: 50%

30/20 Rule Applied? Yes

Remarks: Stream banks well defined but obscured by vegetation. Approx width of banks ~ 60.70 ft.

---

# WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes
Hydric Soils Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Is this Wetland Potentially Isolated? Yes or No

Hydrologic Connectivity to Off-site Wetlands? Yes or No

Remarks: Photo Reference Number:

s:edr office files/forms/Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 87025
Applicant: Rolling Brook Wind

Investigator: Pippen/Trimble/Schmuckler

Date: 9/26/08
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances cause or exacerbate soil erosion? Yes
Is the site significantly disturbed? Yes
In the area a potential Problem Area? Yes

Data Point ID (see 2P Wetland ID): 7K-2

Wetland Code: 7K

SOILS

Series and Phase: not available

Soil Group: not available

Depth

| Harm | Matah pasie | Meltten comprehensio | Total
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.14</td>
<td>A</td>
<td>1.012.54</td>
<td>0.96</td>
</tr>
<tr>
<td>1.44</td>
<td>B</td>
<td>1.017.78</td>
<td>1.012.54</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:

- High Organic Content in Surface Layer of Sandy Soils
- Wetland Conditions

Landscape position: X

Remarks: $5 wetland bordered by road along one edge

HYDROLOGY

- Recorded Data (Describe in Remarks)
- X Actual Photographs

Field Observations

Ground Surface Incised

Soil Saturated

Depth to Free Water: 3 inches

Depth to Saturated Soils:

Wetland Hydrology Indicators:

Primary Indicators:

- X, Ground Water
- X, Saturation in upper 12 inches
- X, Water Stains
- X, Stream Channel in upper 12 inches
- X, Water Stains
- X, Ditch Lies
- X, Sediment Depressions
- X, Drainage Patterns in Wetland

Secondary Indicators (2 or more required):

- X, Oxidized Root Channels in upper 12 inches
- X, Water-Strained Inlets
- X, Local Soil Surveys
- X, Morphological Plant Adaptations
- Y, Other (Explain in Remarks)

Remarks: Pockets of standing water

s/ldr office files/form/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (row one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>speckled alder</td>
<td>H (S) T V</td>
<td>FACW</td>
<td>80</td>
</tr>
<tr>
<td>red maple</td>
<td>H (S) T V</td>
<td>FAC</td>
<td>15</td>
</tr>
<tr>
<td>sensitive fern</td>
<td>H (S) T V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>alpine goldenrod</td>
<td>H (S) T V</td>
<td>FACW/OSU</td>
<td>60</td>
</tr>
<tr>
<td>sedges</td>
<td>H (S) T V</td>
<td>FACW</td>
<td>60</td>
</tr>
</tbody>
</table>

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present: Yes
- Hydric Soils Present: Yes
- Wetland Hydrology: Yes
- Is this Sampling Point Within a Wetland: Yes
- Hydrologic Connectivity to Off-site Wetlands: Yes
- Is this Wetland Potentially Isolated: Yes

### Remarks:

- Photo Reference Number:
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Property No.</th>
<th>070255</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Nearp Brook Wood</td>
</tr>
<tr>
<td>Investigator</td>
<td>Piluso/Tremaine</td>
</tr>
<tr>
<td>Date</td>
<td>8/28/08</td>
</tr>
<tr>
<td>Town</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County</td>
<td>Lewis</td>
</tr>
<tr>
<td>State</td>
<td>NY</td>
</tr>
</tbody>
</table>

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>CAL Camrodew silt loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup</td>
<td>not available</td>
</tr>
<tr>
<td>Depth</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0-6</td>
</tr>
<tr>
<td></td>
<td>6+</td>
</tr>
</tbody>
</table>

**Hydrologic Soil Indicators**

- **Hydrologic Soil Indicators**
  - **Moisture**
  - **Fluvial Erosion**
  - **Infiltration**

**Hydrology**

- **HYDROLOGY**
  - X: Recorded Data (Describe in Remarks)
  - No Recorded Data Available

**Field Observations**

- Ground Surface (Weathered) inches
- Soil Saturated

**Aerial Photographs**

- Depth to Free Water inches
- Depth to Saturated Soil inches

**Wetland Hydrology Indicators**

- **Wetland Hydrology Indicators**
  - **Primary Indicators**
  - **Secondary Indicators (2 or more required)**

**Remarks**

- No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (xylem size)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Early Dogwood</td>
<td>H SS T V</td>
<td>FAC/FAC</td>
<td>50%</td>
</tr>
<tr>
<td>2. Honeysuckle</td>
<td>H SS T V</td>
<td>FAC/FAC</td>
<td>15%</td>
</tr>
<tr>
<td>3. Honeysuckle</td>
<td>H SS T V</td>
<td>FAC/FAC</td>
<td>20%</td>
</tr>
<tr>
<td>4. Canea Grinderae</td>
<td>H SS T V</td>
<td>FAC/FAC</td>
<td>50%</td>
</tr>
<tr>
<td>5. Wood Aloe</td>
<td>H SS T V</td>
<td>FAC/FAC</td>
<td>10%</td>
</tr>
<tr>
<td>Percent of Dominant Species OML, FAC, FAC: 67%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? **Yes or No**
- Hydric Soils Present? **Yes or No**
- Wetland Hydrology Present? **Yes or No**
- Is the Sampling Point Within a Wetland? **Yes or No**
- Hydrologic Connectivity to Off-site Wetlands? **Yes or No**
- Is this Wetland Potentially Isolated? **Yes or No**

**Remarks:**

Photo Reference Number:

s:\edir\office files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**
**ROUTINE WETLAND DETERMINATION**

**Project No:** 07955  
**Applicant:** Roaring Brook Wind  
**Investigator:** Pippin/Tremblay  
**Schumacher**

**Date:** 8/26/68  
**Town:** Martinburg  
**County:** Lewis  
**State:** NY

---

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>(Cob) Comrades</th>
<th>Silt Loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup</td>
<td>not available</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Mineral soil/abundance</th>
<th>Tenure, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-L</td>
<td>A</td>
<td>10% clay</td>
<td>none</td>
<td>S.L.</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- [ ] Hematite
- [ ] Calcium Carbonate
- [ ] High Organ Content in Surface Layer of Sandy Soil
- [ ] Sediment Color
- [ ] Organic Streaking in Sandy Soils
- [ ] Reducing Conditions
- [ ] Silt or Clay in Silt Loam
- [ ] Clays in low Carbonate color
- [ ] Sedimentation Regime
- [ ] Laid on Local Hydric Soil
- [ ] Laid on Potential for Hydric Inclusions Only
- [ ] Other (Explain in Remarks)

**Landscape position:**

- [ ] convex
- [ ] concave
- [ ] subaqueous
- [ ] slumping
- [ ] Appropriate slope:

**HYDROLOGY**

- [ ] Rounded Data (Describe in Remarks)
- [ ] No Rounded Data Available

**Field Observations:**

- [ ] Ground Surface Undulated
- [ ] Flat
- [ ] Varied

**Wetland Hydrology Indicators:**

- [ ] Saturated
- [ ] Saturation at upper 12 inches
- [ ] Water Table
- [ ] Drain Line
- [ ] Saturated Deposits

**Secondary indicators (if more requested):**

- [ ] Overflow Channel at upper 12 inches
- [ ] Water-Stained stains
- [ ] Local Soil Survey
- [ ] Morphological Plant Assemblages
- [ ] Other (Explain in Remarks)

**Remarks:**

- [ ] Packets of standing water - Avg. width of channel 2.5 ft
- [ ] Water flowing in channel thru wetland thru culvert
- [ ] 2.5 ft deep
- [ ] Tailwater: 2.5 ft
- [ ] silt substrate with rock
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (t, s, c, v)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>speckled alder</td>
<td>H S T V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>Joe Pye weed</td>
<td>H S T V</td>
<td>FACW</td>
<td>70</td>
</tr>
<tr>
<td>Common cat-tail</td>
<td>H S T V</td>
<td>OBL</td>
<td>30</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 100%

WETLAND DETERMINATION

Hydrophytic Vegetation Present? **Yes**
Hydric Soils Present? **Yes**
Wetland Hydrology Present? **Yes**
Is this Sample/Point Within a Wetland? **Yes**
Hydrologic Connectivity to Off-site Wetlands? **Yes**
Is this Wetland Potentially Impacted? **Yes**

Remarks:

s\:edr\office\files\form\Data Form Routine Wetland Delineation.xls
Project No: 07245  
Appraiser: Roaring Brook Wed  
Investigator: Poppin (Greenhuts/Schwab/Becker)  

De percolation characteristics exist on site?  
Yes  

Community type:  
Old Field  

Is the soil significantly disturbed?  
Yes  

Datum Flag To Data Form:  
7/5  

Is the area a potential Problem Area?  
Yes  

Data Point ID (Co. 295@Wetland G):  
1B at Wetland 7A  

SOILS  
Series and Phase: C0AB Comoxen Silt loam  
Drainage Class: WE NOD  

Subgroup: not available  
Confirm Stopped Type: not available  

Depth  
Horizon  
Matrix color  
Moisture content  
O.M. "%"  
Note  

D  
A  
7.5 YR  
None  
0.1%  

Hydrologic Soil Indicators:  

Habitat  
High Org. Common in Surface Layer of Sandy Soils  
Soils Other  
Organic Speaking in Sandy Soils  
Reducing Conditions  
Coated or Low Chroma color  

Landscap positon:  

topography: Spacing: Approximate date:  

Remarks:  
No hydrologic soil indicators noted.  

HYDROLOGY  

Occurrence Type (Determine in Remarks)  

Not Recorded Data Available  

Stream, Long of Adapted Soil  

Wetland Hydrology Indicators:  

Primary Indicators  

Secondary Indicators (2 or more required)  

Field Observations:  

Ground Surface Undisturbed  

Soil Saturated  

Depth to Free Water:  

Depth to Saturated Soil:  

Remarks:  
No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Density (such as)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Orchard grass</td>
<td>H</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>2. Canada goldenrod</td>
<td>H</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>3. Little with nose</td>
<td>H</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>4. pasture</td>
<td>H</td>
<td>NL</td>
<td>10</td>
</tr>
<tr>
<td>5. Virginia creeper</td>
<td>H</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>6.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL: FACW, FAC

<table>
<thead>
<tr>
<th>Percent of Dominant Species OBL: FACW</th>
<th>10/20 Rule Applied?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes/No</td>
</tr>
</tbody>
</table>

Remarks:

---

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Remarks

Photo Reference Number: N/A
Project No: 07325  Applicant: Roaring Brook Wind  Investigator: Pippin/Tromban/Schwartenbauer

DATA FORM
ROUTINE WETLAND DETERMINATION
1997 GIS Wetland Determination Waiver

Date: 9/26/98  Town: Martinsburg  County: Lewis  State: NY

Do normal circumstances exist on site?  Yes No  Community Type: 2emph
Is the site significantly disturbed?  Yes No  Name of Product To Date: 7m-2  
Is the area a potential problem?  Yes No  Data Point ID (Ex. 298@Wetland G): I Was Through

SOILS
Series and Plan: (MBG) Marcy Silt loam  Drainage Class: WD, MWD, SPG, VPD
Subgroup: Not Available  Conditioned Mapped Type: Yes No

Depth  Herren  Matrix color  Matrix color abundance  Textural Structure, Other  Tan, Brown, Other
0.7  A  10% 3/4  10% 4/6  Few 75  Silt loam
7+  B  10% 2/4  10% 5/6  Common  Silt loam

Hydric Soil Indicators:

Landscape position: convex  mesic  concave  X

Remarks: Wetland bordered on one side by town road.

HYDROLOGY

Field Observations:

Depth to Free Water: 0 inches.  Depth to Saturated Soil: 0 inches.

Wetland Hydrology Indicators:

Primary Indicators:

Secondary Indicators (if more required):

X Credible Root Channel in upper 12 inches  X Water-Stained leaves
X Local Soil Survey  X Morphological Plant Adm. Others (Explain in Remarks):

Remarks: Hummocky

select office files/forms/Data Form Routine Wetland Determination.xls
<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratnum (code only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Willow</td>
<td>H SS T V</td>
<td>FACW/001</td>
<td>50</td>
</tr>
<tr>
<td>silky dogwood</td>
<td>H SS T V</td>
<td>FACW</td>
<td>50</td>
</tr>
<tr>
<td>sedges</td>
<td>H SS T V</td>
<td>FACW/001</td>
<td>60</td>
</tr>
<tr>
<td>Sparrmann</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>18 goldendrooz</td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%
50/20 Rule Applied: Yes

Remarks:

---

### Wetland Determination

- Hydrophytic Vegetation Present? Yes
- Hydric Soil Present? Yes
- Is the Sampling Point Within a Wetland? Yes
- Hydrologic Connectivity to Off-site Wetlands? Yes
- Is this Wetland Potentially Isolated? Yes

Remarks:

Photo Reference Number: s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 0702
Applicant: Rearing Brook Wind

Investigator: Rupp/Trembanb/Schubert/Be

Date: 9/10/08
City: Martinsburg
County: Lewis
State: WV

Site Location:

DATE

9/10/08

Site Description:

SOILS

Series and Place: (MBB) March Subsoil

Subsoil Group: Not Available

Depth

Moisture

Moisture characteristics:

Twist, Structure, Other:

Hydro-Soil Indicators:

Lust in Local Hydro Soil Only

Listed in Potential for Hydro Indicators Only

Other (Explain in Remarks)

Lust in Local Hydro Soil Only

Lust in Potential for Hydro Indicators Only

Other (Explain in Remarks)

Hydrology:

HYDROLOGY

No Recanted Data (Explain in Remarks)

Field Observations

Recorded Data (Describe in Remarks)

No Recorded Data Available

Inundated

Inundated in upper 12 inches

Water Marsh

Ditch Lines

Surface Deposits

Drainage Patterns in Wetland

Remarks:

* Sample point adjacent to town road.

* No hydric soil indicators noted.

* No wetland hydrology noted.

NYC NYS Dept. of Health

Data Form Routine Wetland Determination NYS
<table>
<thead>
<tr>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H S S</td>
<td>FAC</td>
<td>35</td>
</tr>
<tr>
<td>H S S</td>
<td>FACW</td>
<td>75</td>
</tr>
<tr>
<td>H S S</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>H S S</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>H S S</td>
<td>FAC</td>
<td>5</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 50/20 Rule Applied?

Yes

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Hydrologic Connections to Off-site Wetlands? Yes or No

Is this Wetland Potentially Isolated? Yes or No

N/A

Remarks:

Photo Reference Number:

s:\adr\office\files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**Project No.:** 09025  
**Applicant:** Roaring Brook Wood  
**Investigator:** Pippin/Tremblett  
**Community Type:** PSS  
**Date:** 4/26/99  
**Town:** Martinsburg  
**County:** Lewis  
**State:** NY

**SOILS**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Material color</th>
<th>Matrix color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3</td>
<td>A</td>
<td>10%%2</td>
<td>10%%9%</td>
<td>Silt loam/organic</td>
</tr>
<tr>
<td>3-8</td>
<td>B</td>
<td>10%3%</td>
<td>10%5%</td>
<td>Silt loam/organic</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- **Drainage Class:** WD, MW, SP, WP, YPD
- **Confirm Mapped Type:** No

**Remarks:** Wetland adjacent/bordered on one side by Leverett's Lane.

**HYDROLOGY**

- **Recorded Data (Describe to Research):**
  - No Recorded Data Available
  - Stream, Lake, or Tide Gauge
  - Aerial Photographs

- **Field Observations:**
  - **Ground Surface Inundated:** 2 - 3 inches
  - **Soil Erosion:**

- **Depth to Flow Water:** 6 inches
- **Depth to Saturated Soils:** 8 inches

**Wetland Hydrology Indicators:**
- **Primary Indicators:**
  - **Standing:**
  - **Succioned in upper 12 inches:**
  - **Water Mains:**
  - **Ditch Lines:**
  - **Sediment Deposits:**

- **Secondary Indicators (If more required):**
  - **Water-Stained leves:**
  - **Local Soil Survey:**
  - **Morphologic Plant Adjacencies:**
  - **Other (Explain in Remarks):**

**Remarks:** Hummocky
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stream (site code)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speckled alder</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>70</td>
</tr>
<tr>
<td>Silky dogwood</td>
<td>H SS T V</td>
<td>FACW</td>
<td>60</td>
</tr>
<tr>
<td>Willow shrubs</td>
<td>H SS T V</td>
<td>FACW/OSL</td>
<td>20</td>
</tr>
<tr>
<td>Sedge switchgrass</td>
<td>B SS T V</td>
<td>FACW</td>
<td>60</td>
</tr>
<tr>
<td>Beachfern</td>
<td>B SS T V</td>
<td>FACW+</td>
<td>10</td>
</tr>
<tr>
<td>Joe Pye Weed</td>
<td>B SS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>Four Thumbs</td>
<td>B SS T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>Willow Herb</td>
<td>H SS T V</td>
<td>FACW/OSL</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW+ 100%

50/50 Rule Applied? No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>No</th>
<th>Hydric Soils Present?</th>
<th>No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes</th>
</tr>
</thead>
</table>

Remarks: Pellet office files/forms/Data Form Routine Wetland Delineation.xls
**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Mapped color</th>
<th>Soils Description</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>القرن</td>
<td>منافذ</td>
<td>0-5</td>
<td>A</td>
<td>7.5E-5</td>
<td>None</td>
<td>Silt/Gravel I 1cm</td>
</tr>
<tr>
<td>القرن</td>
<td>منافذ</td>
<td>5-10</td>
<td>B</td>
<td>7.5E-5</td>
<td>None</td>
<td>Silt I 1cm</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Bolton**
- **Histosol**
- **Silt**: Organics in the surface layer of sandy soils
- **Reller**: Organics in sandy soils
- **Reller or Low Chroma color**

**Landscape position:**

- **Ergonomic**
- **Slope:** X

**Remarks:**

- No hydric soil indicators noted.

**HYDROLOGY**

- **Recorded Data (Describe in Remarks):**
  - No recorded data available.
  - Stream, Lake, or Tide Grouping: None.

- **Field Observations:**
  - **Grazed Surface Inundation:**
  - **Soil saturation:**

- **Water level:**
  - **Depth to Free Water:**
  - **Depth to saturated levels:**

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - **Inundated:**
  - **Surface water 13 inches:**
  - **Drift Lines:**
  - **Sediment Deposits:**
  - **Discharge present in wetland:**

- **Secondary Indicators:**
  - **Grazed Base Channel:**
  - **Water-stained levees:**
  - **Local soil types:**
  - **Morphology:**
  - **Other:**

**Remarks:**

- No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum coverage</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black spruce</td>
<td>H SS T V</td>
<td>FACW</td>
<td>60</td>
</tr>
<tr>
<td>Black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>Honey suckle</td>
<td>H SS T V</td>
<td>FACU/FACW</td>
<td>50</td>
</tr>
<tr>
<td>Indian hemp</td>
<td>H SS T V</td>
<td>FACU/FACW</td>
<td>25</td>
</tr>
<tr>
<td>Wild grape</td>
<td>H SS T V</td>
<td>FACU/FACW</td>
<td>25</td>
</tr>
<tr>
<td>Canada goldenrod</td>
<td>H SS T V</td>
<td>FACU</td>
<td>70</td>
</tr>
<tr>
<td>Orchard grass</td>
<td>H SS T V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>Red clover</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>Wild strawberry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>Timothy</td>
<td>H SS T V</td>
<td>FACU</td>
<td>5</td>
</tr>
</tbody>
</table>

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No: Yes
- Hydric Soils Present? Yes or No: Yes
- Wetland Hydrology Present? Yes or No: Yes
- Is this Sampling Point Within a Wetland? Yes or No: Yes
- Hydrologic Connectivity to Off-site Wetlands? Yes or No: Yes
- Is this Wetland Potentially Isolated? Yes or No: No

Remarks:

Photo Reference Number: N/A

s:\edr office files\Forms\Data Form Routine Wetland Delineation.xls
**Soils**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Depth (ft)</th>
<th>Horizon Code</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Matrix Color/Abundance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GtBgt?ugnth, story silt loam</strong></td>
<td>G-6</td>
<td>A</td>
<td>1075/2</td>
<td>1075/2, Mid Brown</td>
<td>Silt loam</td>
</tr>
<tr>
<td><strong>G+</strong></td>
<td>B</td>
<td>1075/2</td>
<td>1075/2, Mid Brown</td>
<td>Silt loam</td>
<td></td>
</tr>
</tbody>
</table>

**Hydrologic Soil Inclusions**
- High Org. Content in Surface Layer of Sandy Soils
- Organic Mottling in Sandy Soils
- Silt Loam

**Geologic Material**
- Silts
- Clay
- Sedimentary/Quaternary

**Hydrogeology**
- No Recorded Data Available
- Animal Pathways

**Field Observations**
- Ground Surface transitioned
- Soil Saturation
- Depth to Free Water
- Depth to Saturated Soil

**Wetland Hydrology Indicators**
- No
- Wetland Indicators 1 or more required
- Child Foot Channels
- Water-Shaped Islands
- Local Site Survey
- Morphological Power Assessment

**Remarks**
- Wetland bordered by tree on one edge
- Hummocky
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (case use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>willow shrubs</td>
<td>H S S T V</td>
<td>FACW/0BL</td>
<td>2.0</td>
</tr>
<tr>
<td>speckled alder</td>
<td>H S S T V</td>
<td>FACW+</td>
<td>2.0</td>
</tr>
<tr>
<td>boxset</td>
<td>B S S T V</td>
<td>FACW+</td>
<td>10</td>
</tr>
<tr>
<td>late goldenrod</td>
<td>B S S T V</td>
<td>FACW+</td>
<td>40</td>
</tr>
<tr>
<td>sedges</td>
<td>B S S T V</td>
<td>FACW/0BL</td>
<td>40</td>
</tr>
<tr>
<td>green hulshush</td>
<td>H S S T V</td>
<td>DBL</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species ORU, FACW: 100%

5/26/08

**WETLAND DETERMINATION**

- Hydrosopic Vegetation Present? **Yes**
- Hydric Soils Present? **Yes**
- Wetland Hydrology Present? **Yes**
- Is this Sampling Point Within a Wetland? **Yes**
- Hydrologic Connectivity to Off-site Wetlands? **Yes**
- Is this Wetland Potentially-Isolated? **No**

Remarks:

Photo Reference Number: s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07025 Applicant: Boating Brook Wind
Investigator: Pippins/Trenhout (Schwenkhaus)

Date: 9/26/88
Town: Martinsburg
County: Lewis
State: NY

De normal circumstances were on site?
Yes No

Was the site significantly disturbed?
Yes No

Is the area a potential Problem Area?
Yes No

Community Type: Old Field

National Flag To Date Point

7.0 - 5

Data Point (H.S. i.e. 2 AM at Wetland 0)
1.00 Wetland 7.0

SOILS
Series and Phase: [T.B] Tughill Story Slab Loam

Subgroup: Not Available

Depth

Series
Matric Potential
Matric water content
Tenacity, Structure, Color

0-9
A
104%/3
None
Silt loam

9+
B
10%/1
None
Silt loam

Hydric Soil Indicators:
Flatness
Condition
High Org. Content in Surface Layer of Sandy Soils
Organic Steaming in Sandy Soils
Oriental or Low Channels color

Listed or Local Hydric Soil List
Listed as Potentially Hydric Indicators Only
Other (Explain in Remarks)
Aquatic Macrophyte

Landscape Position:
Concave Convex Sloping

Approximate Slope:
No

Remarks:
* Upland area adjacent to town road.

No Hydric soil indicators noted.

HYDROLOGY

Recorded Data (Describe in Remarks)

No Recorded Data Available
Stream, Lake or Tidal Gauge

Field Observations

Depth to First Water

Depth to Saturated Soils

Wetland Hydrology Indicators:
Primary Indicators

Secondary Indicators (O or more required)

Saturated in upper 12 inches
Water Stained
Water Saturation

Debris Breaches

Sediment Deposition

Erosion Patterns in Wetland

Remarks:

No wetland hydrology noted.

1/edr office files/form/data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Vegetation Type</th>
<th>Stream #</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrinkled leaf goldenrod</td>
<td>H</td>
<td>FAC</td>
<td>90</td>
</tr>
<tr>
<td>Small white clover</td>
<td>H</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Sorrel</td>
<td>H</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Grass</td>
<td>H</td>
<td>FAC</td>
<td>25</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW - 100%
50/20 Rule Applied? Yes

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes
- Hydric Soils Present? Yes
- Wetland Hydrology Present? Yes
- Is this Sampling Point Within a Wetland? Yes
- Hydrologic Connectivity to Off-site Wetlands? Yes
- Is this Wetland Potentially Isolated? Yes

Remarks:

Photo Reference Number: [Designation]

s:\edr\office\files\forms\Data Fonn Routine Wetland Delineation.xls
Project #: 07025  
Applicant: Roaring Brook Wind

Investigator: Poppin/Trentham

Date: 9/20/08

Towm: Martinsburg

County: Lewis

State: NY

De nostral circumstances exist on site? Yes / No

Major Flag To Data Point: Yes / No

Soils

Series and Plaine: AALIUVIAL LAND

Depth | Horizon | Matrix color | Mineral color-abundance | Texture, Structure, Other
--- | --- | --- | --- | ---
0-2 | A | 10% Clay | None | Silt loam
2-13 | B | 10% Clay | 50% Silt, 10% Sand | Silt loam

Hydric Soil Indicators:

- Hanes: Non-existent
- Epeirogenic: High Org. Content in Surface Layer of Sandy Soil
- Sedimentary: Organic Soils in Sandy Sands
- Bottomwater Conditions: Subjected to Low Drainage above
- Landscape Position: Upland

Remarks: *gravel, rock, silt substrate*

Well defined banks obscured by vegetation

Hydrology

- X Recorded Data (Describe in Remarks)
- X No Recorded Data Available
- X Stream, Lake or Tidal Gauge
- X ArcGIS Topographic

Field Observations

- X Ground Surface inundated
- X Soil Lithology

Depth to Free Water: 8-10 inches
Depth to Saturation: 0 inches

Wetland Hydromorphy Indicators:

Primary Indicators:

- X Stand Inundated
- X Inundated in upper 12 inches
- X Water Stains
- X Dip Lines
- X Sediment Depressions
- X Disturb Patterns in Wetland

Secondary Indicators (if more required):

- X Wetted Basal Conditions in upper 12 inches
- X Water-Trimmed leaves
- X Local Soil Survey
- X Vegetation Patterns
- X Other (Explain in Remarks)

Remarks:

Avg. width of stream 8-10 ft, but 25-30 near road
Avg. depth 7 12” - Some hummocks

Last Office File Form: Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Substrate (wet/dry)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Willow shrubs</td>
<td>H S S T V</td>
<td>FACW/10B</td>
<td>60</td>
</tr>
<tr>
<td>Speckled alder</td>
<td>H S S T V</td>
<td>FACW+</td>
<td>30</td>
</tr>
<tr>
<td>Joe pye Weed</td>
<td>H S S T V</td>
<td>FACW</td>
<td>50</td>
</tr>
<tr>
<td>Rail goldenrod</td>
<td>H S S T V</td>
<td>FACW/60B</td>
<td>10</td>
</tr>
<tr>
<td>Sedges</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>Flat top goldenrod</td>
<td>H S S T V</td>
<td>FACW/60B</td>
<td>5</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OML, FACW, FACW:**

- **50/20 Rule Applied?**
  - Yes

**Remarks:**

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes
- **Hydric Soils Present?** Yes
- **Is this Sampling Area on the Wetland?** Yes
- **Hydrologic Connectivity to Off-site Wetlands?** No
- **Is this Wetland Potential Island?** Yes

**Remarks:** PSS/PSM adjacent to stream

---

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUNTE WETLAND DETERMINATION**

---

**Project No:** 0705  
**Applicant:** Roaring Brook Wind  
**Investigator:** Pippin/Tremblay  
**Location:**  
**Date:** 9/25/00  
**Town:** Martinsburg  
**County:** Lewis  
**State:** NY  

**Soils**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>(CAH) Alluvial land</th>
<th>Drainage Class</th>
<th>USDA-SPAR 5YR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup</td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Depth:** 0-10
- **Horizon:** A
  - **Matte color:** 15L8/1
  - **Matte color/value/dimension:** None
  - **Texture:** Sandy

**Hydraulic Soil Indicators:**

- **Histosols**
- **Nutrient Episodics**
  - Organic Leaching in Sandy Soils
- **Reaching Conditions**
  - Cold or Low Chroma color

**Land use position:**

- **Aquatic-Saturated Region:**
  - Aquatic Environment:
  - Approximate slope: 4-7°

**Remarks:**

- **NO hydraulic soil indicators noted.**

**HYDRO data**

<table>
<thead>
<tr>
<th>Received Data (Describe in Remarks)</th>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>(C) Recorded Data Available</td>
<td>Ground Surface Inundated___ inches.</td>
</tr>
<tr>
<td>Stream, Lake or Tide Gauge</td>
<td>Soil Saturated</td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td>Depth to Free Water, ___ inches.</td>
</tr>
<tr>
<td>Depth to Saturation Soil, ___ inches.</td>
<td></td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - Christmas Tree Growth
  - Saturation in upper 12 inches
  - Water Mates
  - Drift Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

- **Secondary Indicators (7 or more required):**
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks:**

- **No wetland hydrology noted.**

S: Date office Fisler/Flora Data Form Routine Wetland Determination
VEGETATION

Dominant Plant Species:

1. Canada Goldenrod
2. Redbud Fuzz
3. Little White Ake
4. Daisy Fleabane
5. Wild Lime’s Lace

Strata: S S T V
Indicator: FACU
% Cover: 50

Remarks:

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydric Soil Present? Yes or No
Wetland Hydrology Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Hydrologic Connectivity to Off-site Wetlands? Yes or No
Is this Wetland Potentially Isolated? Yes or No

REMARKS:

Photo Reference Number:

s:edr office files\forms\Data Form Routine Wetland Definition.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 C05 Wetland Determination Manual

Project No.: 07025
Applicant: Roaring Brook Wood
Investigator: Pippin/Tremban / Schwendinger

Date: 6/26/08
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes
Is the site significantly distorted? No
Is the area a potential Ponds Area? Yes

Community Type: 255 P Shm
Nearest Flag-In Data Point: 30-3
Data Point ID (i.e. 29G@Wetland G): 16 W Wetland 79

SOILS

Sediments and Pans: (MEN) Marcy Silt Loam
Drainage Class: WD MND SD G CC TVD
Subgroup: not available

Hydric Soil Indicators:

Material: Concretions
Plants: High Org Carbon in Surface Layer of Sandy Soils
Organic Breaking in Sandy Soils
Gleyed or Low Clouds clays

L-enabled Local Hydric Soil
L-enabled Potential for Hydric Slopes Only
Other (Explain in Remarks)
Aquatic Moisture Regime

Landscape position: slope
Approximate slope: 12%

Removal: not available

HYDROLOGY

Remote Data: No Remote Data Available

Field Observations:
Stream, Lake or Tide Gauge
Soil saturated

Wetland Hydrology Indicators:

Primary Indicators:
Stream Bed
Subsurface in upper 12 inches
Water Stains
Debris Lenses

Secondary Indicators:
Drainage Patterns in Wetland

Removal: Hummocky

s:\efr\office\files\forms\data form routine wetland determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Section (row, col)</th>
<th>Dominant</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silky dogwood</td>
<td>H (6) S (5) T (3) V (2)</td>
<td>FACW</td>
<td>90</td>
</tr>
<tr>
<td>Sedges</td>
<td>H (6) S (5) T (3) V (2)</td>
<td>FACW/0BL</td>
<td>50</td>
</tr>
<tr>
<td>Red canary grass</td>
<td>H (6) S (5) T (3) V (2)</td>
<td>FACW/0+</td>
<td>25</td>
</tr>
<tr>
<td>Joe Pye Weed</td>
<td>H (6) S (5) T (3) V (2)</td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>Burnet</td>
<td>H (6) S (5) T (3) V (2)</td>
<td>FACW/0+</td>
<td>10</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBS, FACW:** 100%

**50/20 Rule Applied?** Yes

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes
- Hydric Soils Present? Yes
- Wetland Hydrology Present? Yes
- Is the Sampling Point Within a Wetland? Yes
- Hydrologic Connectivity to Off-site Wetlands? Yes
- Is the Wetland Potentially Isolated? No

**Remarks:**

- Project Number: 07025
- Appellant: Roaring Brook Wind Power Project
- Date: 9/20/02
- Plan ID Number: L42 G20

Photo Reference Number:
Project No: 07035  
Appraiser: Roaring Brook Wind

Investigator:  
Pappel/Tremban/E.W. Schubert

DATA FORM  
ROUTINE WETLAND DETERMINATION

274 North Goodman Street  
Rochester, New York 14607

Date: 9/10/01

Locality:  
Martinburg

County: Lewis

State: NY

Do natural vegetation exist on site?  
Yes [ ]  
No [x]

Is the site significantly disturbed?  
Yes [ ]  
No [x]

Is the site a potential Public Area?  
Yes [ ]  
No [x]


SOILS

Series and Phase:  
Marais silt loam

Depth

Hydrologic Soil Indicators:


Hydrology:

No wetland hydrology noted.

schr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Rank</th>
<th>Dominant Plant Species</th>
<th>Stratum (shade class)</th>
<th>Indication</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red Maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>2</td>
<td>Gray Dogwood</td>
<td>H SS T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>Orchard Grass</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>5</td>
<td>Canada Goldenseed</td>
<td>H SS T V</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>6</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>H SS T V</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>11</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>13</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soils Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Hydrologic Connectivity to Off-site Wetlands?** Yes or No
- **Is this Wetland Potentially Isolated?** Yes or No

### Remarks:

*Photo Reference Number*

s:edr office files/Forms/Data Form Routine Wetland Delineation.xls
**SOILS**

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix</th>
<th>Matrix Description</th>
<th>Tenure</th>
<th>Structure</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-1</td>
<td>A</td>
<td>10% vs. 90% silt</td>
<td>Ninety-seven percent silt</td>
<td>Farm</td>
<td>N -</td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators**
- **Barren**: Not present
- **High Epeiric**: Yes
- **Organic Soils**: Not present
- **Reducing Conditions**: Yes

**Hydric Soil Conditions**
- **Riparian**: Yes
- **Wetland Soils**: Yes
- **Swell Shrink Soils**: Yes

**Landscape Position**
- **Floodplain**: Yes
- **Saturated**: Yes

**Remarks**: Area bordered on one side by town road.

**HYDROLOGY**

- **Field Observations**
  - **Gerard Surface Inundation**: 2-5 inches
  - **Saturated**: No

- **Depth to Free Water**: 0 inches
- **Depth to Saturated Soils**: 0 inches

- **Secondary Indicators (if more required)**
  - **Overland Flow**: Yes
  - **Wetland Influences**: Yes
  - **Water Martin**: Yes
  - **Drainage Pattern**: Yes

**Remarks**: Hummocky
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Vegetation codes</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silky dogwood</td>
<td>H SS T V</td>
<td>FACW</td>
<td>50</td>
</tr>
<tr>
<td>Speckled alder</td>
<td>H SS T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>Sedges</td>
<td>H SS T V</td>
<td>FACW/OBL</td>
<td>50</td>
</tr>
<tr>
<td>Sensitive Fern</td>
<td>H SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>Willow herb</td>
<td>H SS T V</td>
<td>FACW/OBL</td>
<td>20</td>
</tr>
<tr>
<td>10 ft goldenrod</td>
<td>H SS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
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<td>H SS T V</td>
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<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydrolic Soil Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:

s:edir office files/forms/Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION
VHF COE Wetland Determination Manual

Project No.: 07021  Applicant: Hearing Break Wind
Investigator: Pygmalion Trenches/Schubert

Date: 9/20/08
Town: Martineburg
County: Lewis
State: NY

Comm. Area Type: Shoreline

Is the area significantly disturbed? No

Is the area a potential Problem Area? Yes

Data Point ID: (Lee SW/Westland G) 12C Wetland 78

SOILS
Series and Phase: CA CA Alden Silt Loam

Subgroup: Not Available

Depth Horizon Mottle color Mottle colorimetric
0-10 A 351% 351% None
10-40 B 351% 351% None

Hydric Soil Indicators:
Mottles: Cinnamon
Mottles on Surface: Cinnamon
Organic Matting: None
Organic Matting on Surface: None

HYDROLOGY

No Recorded Data (Describe in Remarks)

Stream, Lake or Tidal Gauge

X Actual Photographs

Field Observations
Ground Surface Inspected
Soil Surveyed

Depth to Free Water

X Depth to Stratified Sands

Wetland Hydrology Indicators:
Primary Indicators:

X Standpipe

X Saturated to upper 20 inches

Water Stagnation
Depth 0.5 inches

X Sediment Deposits

X Drainage Pattern in Wetland

Remarks:

No Hydric Soil Indicators noted.

No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status: cover code</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada goldenrod</td>
<td>H</td>
<td>FACU</td>
<td>75</td>
</tr>
<tr>
<td>St. John's Wort</td>
<td>D</td>
<td>FAC</td>
<td>5</td>
</tr>
<tr>
<td>Queen Anne's Lace</td>
<td>H</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>Common vetch</td>
<td>H</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>Milkvetch (common)</td>
<td>H</td>
<td>NL</td>
<td>5</td>
</tr>
<tr>
<td>Cottonwood</td>
<td>H</td>
<td>FAC</td>
<td>40</td>
</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: [s:\or office tiles\forms\Data Form Routine Wetland Delineation.xls]
DATA FORM
ROUTE WETLAND DETERMINATION
1991 COE Musselshell Determination Manual

Project No: 07925  Applicable: Roaring Brook Wind
Investigator: Pippin/Crenshaw

Do normal circumstances exist on site? Yes  No
Community Type: F5

Is the site significantly disturbed? Yes  No
Nearest Flag to Data Point: F5 - 3

Is the area a potential Problem Area? Yes  No
Data Point ID (or 2F@Wildland 0): 1W @ Wildland 78

SOILS
Series and Phase: (co8) Camarosa silt loam

Subgroup: not available

Depth  Horizon  Matrix code  Matrix under/abundance  Texture  Structure  Other
0.9  A  1046%  1046%  Few 75%  Fine silt loam

Hydric Soil Indicators:
- Marinities:
  - Concentrations
- Saturation:
  - High Org. Content in Surface Layer of Sandy Soils
  - Organic Staining in Sandy Soils
  - Clay Banding or Clay Reticulum

Landscape position: convex

Remarks:

HYDROLOGY

Field Observations:
- Ground Surface Inundated: 3-4 inches
- Soil Saturated

Hydrologic Indicators:
- Seepage:
- Water Stains
- Draft Lines
- Sediment Deposition
- Drainage Patterns in Wetland


Date: 8/20/08
County: Lewis
State: NY

274 North Goodman Street
Rochester, New York 14607

Office of Wetland and Water Quality
Wetland Determine Information System

*• office wetsform/Data Form Routine Wetland Determination.xls*
VEGETATION

Dominant Plant Species: Silky Dogwood

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Succulent</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>2</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>3</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>4</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>5</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>6</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>7</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>8</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>9</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>10</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>11</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>12</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>13</td>
<td>H</td>
<td>FACW</td>
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<td>14</td>
<td>H</td>
<td>FACW</td>
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<tr>
<td>15</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
<tr>
<td>16</td>
<td>H</td>
<td>FACW</td>
<td>100</td>
</tr>
</tbody>
</table>

Permit of Dominant Species ORL, FACW, FACW: 100%

Remarks: Flags 7S X 1-9 delineate a Sump with a pipe gradient of 7S that is connected by a roadside ditch, flowing through some culvert as area 7S. Area 7S feeds by intermittent channel from the east.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No

Hydric Soil Present? Yes No

Wetland Hydrology Present? Yes No

Is this Sampling Point Within a Wetland? Yes No

Hydrologic Connectivity to Off-site Wetlands? Yes No

Is this Wetland Potentially Isolated? Yes No

Remarks: Looks isolated but water flowing under man-made rock wall to roadside ditch then thru culvert.

Photo Reference Number: 1W at 7S
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No.: 07025
Applicant: Rappahannock River Foundation
Investigator: Pippin/Tremban/Schultens

DATE: 9/10/06
Town: Martinsburg
County: Lewis
State: WV

Is the site significantly disturbed? X Yes
Reason: Field/Shovel

Is the area a potential Problem Area? X Yes
Data Point ID: 60-29 (Holland C)

SOILS
Series and Place: (CaB) Camaedor Silt Loam
Subgroup: not available

Depth

<table>
<thead>
<tr>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color abundance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6</td>
<td>B</td>
<td>None</td>
</tr>
<tr>
<td>6-8</td>
<td>B</td>
<td>Silt Loam</td>
</tr>
</tbody>
</table>

Hydrologic Soil Indicators:

- High Organic Content in Surface Layer of Sandy Soils
- Organic Staining on Sandy Soils
- Generalized Low Channel soils

Landscape position:
- erosional
- no undulating
- approximate size:

Hydrology

- No recorded data available
- Aerial Photographs
- Stream, Lake or Tide Gauge

Field Observations:
- Ground Surface Inundation: inches
- Soil saturated

Depth to Free Water: inches
- Wetland Hydrology Indicators:

Primary Indicators:
- Snowmelt
- Snowmelt in upper 12 inches
- Water Stains
- Debris Lines

Secondary Indicators (2 or more required):
- Obscured Ditch Channels or upper 12 inches
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks: No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (code use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 yellow bird</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>2 yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>3 haresnuckle</td>
<td>H SS T V</td>
<td>FAC/FACU</td>
<td>50</td>
</tr>
<tr>
<td>4 grey dogwood</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>5</td>
<td>H SS T V</td>
<td>FACU</td>
<td>80</td>
</tr>
<tr>
<td>6 orchard grass</td>
<td>H SS T V</td>
<td>FACU</td>
<td>80</td>
</tr>
<tr>
<td>7 Canada goldenrod</td>
<td>H SS T V</td>
<td>FACU</td>
<td>60</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC:**

- **OL:** 60%
- **FACW:** 0%
- **FAC:** 0%

**50/50 Rule Applicant:** Yes

**Remarks:**

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soils Present?** Yes or No

**Wetland Hydrology Present?** Yes or No

- **Is this Sampling Point Within a Wetland?** Yes or No

**Hydrologic Connectivity to Off-site Wetlands?** Yes or No

**Is this Wetland Potentially Isolated?** Yes or No

**Remarks:**

**Photo Reference Number:**

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
SOILS

Series and Place: (meh) marcy silt loam

Depth Horizon Matrix color Matrix subclass/abundance Texture Structure, Color
0-8 A 75% 10% 5%, few 7% Silty loam

Hydric Soil Indicators:

- Concentrations
- High Organic Content in Surface Layer of Sandy Soils
- Organic Soaking in Sandy Soils
- Organic or Low Chroma soils

Landscape position: convex

Remainders:

HYDROLOGY

-awned Data (in scour in Remarks)
- Received Data Available

Aerial Photographs

Depth to Water: 34 inches

Wetland Hydrology Indicators:

- Inundated
- Saturated in upper 12 inches
- Water Mains
- Ditch Lines
- Sediment Deposits
- Drainage Passes in Wetland

Remainders:

#44c office fileforms/Data Form Routine Wetland Determination.xls
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status: (Use only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common vetch</td>
<td>H</td>
<td>OBL</td>
<td>40</td>
</tr>
<tr>
<td>Joe Pye weed</td>
<td>H</td>
<td>FACW</td>
<td>2.0</td>
</tr>
<tr>
<td>Sensitive fern</td>
<td>H</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
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<td>H</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW: **100%**

WETLAND DETERMINATION

- Hydrophytic Vegetation Present? **Yes**
- Hydric Soil Present? **No**
- Wetland Hydrology Present? **Yes**
- Is this Sampling Point Within a Wetland? **Yes**
- Hydrologic Connectivity to Off-Site Wetlands? **Yes**
- Is this Wetland Potentially Impacted? **No**

Remarks:

Sheet flow off of fields to low spot where the water stands, then seeps under a man-made rock wall to an adjacent roadside ditch, then thru a culvert under the road.
**Project No:** 07025  
**Appraiser:** Roaring Brook Wired

**Investigator:** Pipkorn/Tremboth  
**Community Type:** N/A  
**Date:** 9/20/08  
**Town:** Martinsburg  
**County:** Lewis  
**State:** NY

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Natural Flag To Data Point</th>
<th>Data Point ID (ref. 2609 Wetland G)</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Neb) Mercy Silt Loam</td>
<td>17 1/2</td>
<td>14 @ 7T</td>
<td></td>
</tr>
</tbody>
</table>

**Subgroup:** Not Available  
**Drainage Class:** WD  
**Confined Aquifer Type:** No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Index</th>
<th>Matrix Isolation/Isolation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-9</td>
<td>4</td>
<td>25%</td>
<td>None</td>
</tr>
<tr>
<td>9+</td>
<td>8</td>
<td>100%</td>
<td>Silt Loam</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Humus:**
  - High Org. Content in Surface Layer of Sandy Soils
  - Organic Soils or Sandy Soils in Scattered Areas
  - Organic Soils or Sandy Soils in Scattered Areas

- **Surface:**
  - Listed as Level Hydric Soils List
  - Listed as Potential for Hydric Indicators Only
  - Other (Specify in Remarks)

- **Landscape Position:**
  - Upstream
  - Apparent Age: 1000 years

**Remarks:**

*No hydric soil indicators noted.*

**HYDROLOGY**

**Recorded Data (Complete in Remarks):**

- No Recorded Data Available
- Aerial Photographs

**Field Observations:**

- Ground Surface Inundation: inches
- Soil Saturation: inches
- Depth to Free Water: inches
- Depth to Saturation: inches

**Wetland Hydrology Indicators:**

- Primary Indicators:
  - Neatly
  - Saturated in upper 12 inches
  - Water Marks
  - Soil Line
  - Sediment Drains
  - Drainage Pattern at Wetland

**Secondary Indicators (See note):**

- Overland Flow Channels 12 inches
- Water-Stained Leaves
- Local Soil Survey
- Macrophytes in Plant Adaptations
- Other (Specify in Remarks)

**Remarks:**

*No wetland hydrology noted.*
<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Dominant Plant Species</th>
<th>Stemm (Note 1)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Yellow birch</td>
<td>H SS T V</td>
<td>FAC</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>2 Red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>H SS T V</td>
<td>FAC/FAC</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>4 Honeysuckle</td>
<td>H SS T V</td>
<td>FAC/FAC</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>5 Rubus sp.</td>
<td>H SS T V</td>
<td>FAC</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>6 Canada goldened</td>
<td>H SS T V</td>
<td>FAC</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>7 Wild CA</td>
<td>H SS T V</td>
<td>FAC/FAC</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H SS T V</td>
<td>FAC</td>
<td>10</td>
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</tr>
<tr>
<td>9</td>
<td>H SS T V</td>
<td>F</td>
<td></td>
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<tr>
<td>10</td>
<td>H SS T V</td>
<td></td>
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<tr>
<td>11</td>
<td>H SS T V</td>
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</tr>
<tr>
<td>12</td>
<td>H SS T V</td>
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<tr>
<td>13</td>
<td>H SS T V</td>
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<td></td>
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<tr>
<td>14</td>
<td>H SS T V</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>15</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>H SS T V</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL: FAC, FACW, FACW**

50/20 Rule Applied?: Yes

Remarks:

---

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present?: Yes or No

Hydrophytic Vegetation Present?: Yes or No

Hydrologic Connection to Off-site Wetlands?: Yes or No

Is this Sampling Point Within a Wetland?: Yes or No

Is this Wetland Potentially Isolated?: Yes or No

Remarks:

Photo Reference Number:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
### Project No.: 677025  Applicant: Roaring Brook Wind

**DATA FORM**

**ROUNTE WETLAND DETERMINATION**

**276 North Goodman Street**

**Rochester, New York 14607**

---

**Investigator:** Pippin/Trembeth

**County:** Lewis

**State:** NY

---

**Soils**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Organic Soils</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Acb)</td>
<td>Ten H 1/3 Loan</td>
</tr>
</tbody>
</table>

**Drainage Class:** WD MWD Ud PUTF

**Soil Group:** not available

**Soil Morphology:**

- Depth: 0 - 10
  - Organic Soils:
    - Organic Soils:
      - A1: 1.5% organic
      - B: 3.2% organic
      - C: 0.0%

**Hydrologic Indexes:**

- **Narrow:**
  - Hydric Region:
    - High Org. Content in Surface Layer of Sandy Soils
  - Sulfuric Clay
  - Organic Streaking in Sandy Soils

**Landscape Position:**

- **Surface:**
  - Site:
    - wet

**Remarks:** Area bordered on one side by road.

---

**HYDROLGy**

**Recluired Data (Describe in Remarks):**

- **No Recueded Data Available**
- **Aerial Photograhs**

**Field Observations:**

- **Grown Surface:** inundated
- **Soil Saturated:**
- **Depth to Fine Grains:** 0 inches

**Wetland Hydorlogy Indicators:**

- **Primary Indicators:**
  - Inundated
  - Saturated in upper 12 inches
  - Water Table
  - Depth to Water
  - Sediment Depoists

- **Secondary Indicators:**
  - Inundated River Channels in upper 12 inches
  - Water-Completed Inundation
  - Local Sulfate
  - Morphologic Plant Association
  - Other (Explain in Remarks)

**Remarks:**

- Hummocky

---

**Additional Information:**

- File: office/files/forms/Data Form Routine Wetland Determination.xls
## VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stream (code only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late goldenrod</td>
<td>SS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>Bluebeard</td>
<td>SS T V</td>
<td>FACW+</td>
<td>10</td>
</tr>
<tr>
<td>Green balsam</td>
<td>SS T V</td>
<td>OBL</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW+: 100%
Percent of Dominant Species OBL, FACW: 100%
50/50 Rule Applied: No

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? 
Hydric Soils Present? 
Wetland Hydrology Present? 
Is this Sampling Point Within a Wetland? 
Hydrologic Connectivity to ODR saline Wetlands? 
Is this Wetland Potentially Isolated? 

Remarks: Photo Reference Number

s:\ecr office files\forms\Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No.: 97624
Applicant: Rearing Brook Wind

Investigator: Pippin/Trenberth/Schneidmiller

Date: 9/24/04

Comm. Type: Old Field

Nearest Flag To Data Point: 744 - 4

Data Point ID: GZ 1909 (Wetland O)

SOILS
Series and Phase: CAA/Allen Silt Loam
Drainage Class: WD

Subgroup: NOT AVAILABLE

Compact Mapped Type: No

Depth

<table>
<thead>
<tr>
<th>Horizon</th>
<th>Martin Color</th>
<th>Martin Colubris/Fractures</th>
<th>Taxon, Subtaxon, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-7</td>
<td>A</td>
<td>None</td>
<td>Silt Loam</td>
</tr>
<tr>
<td>7+</td>
<td>B</td>
<td>75%</td>
<td>Silt Loam</td>
</tr>
</tbody>
</table>

Hydrologic Soil Indicators:

Landslide

Hydrologic Notes:

No hydrologic soil indicators noted.

HYDROLOGY

Field Observations

Ground Surface Inundated: 0 inches.
Soil Surfaces.

Depths to Free Water: 0 inches.
Depths to Saturated Soils: 0 inches.

Wetland Hydrology Indicators:

Primary Indicators

Secondary Indicators (2 or more required)

No wetland hydrology noted.

Remarks:

No wetland hydrology noted.

1/yr office files/ormata/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Southern (code use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Finely</td>
<td>H S S T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>2. Crooked Stem Goldenrod</td>
<td>H S S T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>3. Aquilegia chrysantha</td>
<td>H S S T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>4. Daisy welcome</td>
<td>H S S T Y</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>5. Arrow Leaf Rose</td>
<td>H S S T V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>6. Lady slipper</td>
<td>H S S T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>7. Gray dogwood</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>8. Rose of Sharon</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>9. Spiderwort</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>10. Nasturtium</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>11. Pimpernel</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>12. Oxalis verdores</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>13. Sorrel</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>14. Sheep Sorrel</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>15. Chickweed</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
<tr>
<td>16. Thistle</td>
<td>H S S T V</td>
<td>FACU</td>
<td>0</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBIL FACW, FACW: 25%

WETLAND DETERMINATION

- Hydrophytic Vegetation Present? Yes or No: Yes
- Hydric Soils Present? Yes or No: No
- Wetland Hydrology Present? Yes or No: No
- Is this Sampling Point Within a Wetland? Yes or No: No
- Hydrology Continuous to Off-site Wetlands? Yes or No: No
- Is this Wetland Potentially Isolated? Yes or No: N/A

Remarks:

Photo Reference Number:

s:\edl office\files\forms\Data Form Routine Wetland Delineation.xls
S102A

Alden Slat Loan

not available

Hydrological Chart

Field Observations:

- Checked Surface Inspected: 9
- Soil Inspected: 
- Depth to Surface Water: 9 inches
- Depressed Surface Saturated: 

Wetland Hydrological Indicators:

- Standardized
- Saturated at 12 inches
- Water Sheet
- Ditch Lines
- Sediment Deposition
- Drainage Patterns and Seepage

Stream Characteristics:

- Sediment
- Water Width
- Water Depth
- Stream Gradients
- Substrates
- Bed Rock: Sand
- Stream: Medium
- Water: Steep
- Substrate: Clay

Interruption Chart:

- Debris: Mud
- Overgrowth vegetation: Other
- Log/wood debris: Other

Remarks:

Hydrology

No Recorded Data (No Data Available)

- Survey, Lake or Tidal Change
- Topographical Map

Wetland Hydrology Indicators:

- Standardized
- Saturated at 12 inches
- Water Sheet
- Ditch Lines
- Sediment Deposition
- Drainage Patterns and Seepage

Stream Characteristics:

- Sediment
- Water Width
- Water Depth
- Stream Gradients
- Substrates
- Bed Rock: Sand
- Stream: Medium
- Water: Steep
- Substrate: Clay

Interruption Chart:

- Debris: Mud
- Overgrowth vegetation: Other
- Log/wood debris: Other

Remarks:

Hydrology

No Recorded Data (No Data Available)

- Survey, Lake or Tidal Change
- Topographical Map

Wetland Hydrology Indicators:

- Standardized
- Saturated at 12 inches
- Water Sheet
- Ditch Lines
- Sediment Deposition
- Drainage Patterns and Seepage

Stream Characteristics:

- Sediment
- Water Width
- Water Depth
- Stream Gradients
- Substrates
- Bed Rock: Sand
- Stream: Medium
- Water: Steep
- Substrate: Clay

Interruption Chart:

- Debris: Mud
- Overgrowth vegetation: Other
- Log/wood debris: Other

Remarks:
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (succession)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>green ash</td>
<td>H S S T V</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>spikled alder</td>
<td>H S S T V</td>
<td>FACW</td>
<td>70</td>
</tr>
<tr>
<td>sedges</td>
<td>H S S T V</td>
<td>FACW/OBL</td>
<td>55</td>
</tr>
<tr>
<td>blue flag iris</td>
<td>H S S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>plats top asker</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>late goldened</td>
<td>H S S T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>spotted jeweled</td>
<td>H S S T V</td>
<td>FACW</td>
<td>5</td>
</tr>
<tr>
<td>white ash</td>
<td>H S S T V</td>
<td>FAC</td>
<td>35</td>
</tr>
<tr>
<td>Cremati's</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: **75%**

50/20 Rule Applied? **Yes**

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydraulic Soil Present?** Yes or No
- **Wetland Hydrology Present?** Yes or No
- **Hydrologic Connectivity to Off-site Watershed?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Does Any Part of this Documented Wetland or Stream Extend Past the Flagged Boundary?** Yes or No

Remarks: **Photo Reference Number:**
DATA FORM
ROUTE WETLAND DETERMINATION
1987 CWS Wetland Delineation Manual
276 North Goodman St.
Syracuse, New York 13209

Project No: 07621
Applicant: Starting Brook Wind Power Project

Investigator: Schwebelhauer/Forbash

Date: 9/27/88

Location: Martinsburg

Community: NDF

Nearest Flag to Data Point: 7v-22

SOILS
Series and Phase: (Act) Albae. Siit loam

Soil Profile
Depth Horizon
0-9 A 10-16 A
9-18 B 16-24 B
Texture, Structure, Other: Siit loam

Hydrologic Soil Indicators:

- High Organic Content in Surface Layer of Sandy Soils
- Claypan
- Organic Maturity in Sandy Soils
- Clayey and Silt-Wilson soil

Hydrologic Soil Classes:

- Siit
- Coarse

Conifer Mapped Type: 7v

Removal: No hydrologic soil indicators noted.

HYDROLOGY

Field Observations:
- Ground Surface level:
- Soil Surface:
- Depth to Free Water:
- Depth to Intergranular-Scale:
- Secondaries Sediments (if any are required):
- Oakland Rock Channel in upper 2 inches:
- Water-Related Lines:
- Local Soil Survey:
- Morphological Plant Adaptations:
- Other (Explain in Remarks):

Stream Characteristics:

- Flow:
- Morphology:
- Stream Gradient:
- Substrate:
- Vegetation:

- Coniferous
- Broadleaf
- Grassland
- Deciduous
- Moisture
- Woodland
- Dune
- Shrubs
- Water
- Moss
- Shrub
- Edge
- Dune
- Deep perfi
- Overstory
- Log

Wetland Hydrology Indicators:

- Primary Indicators:
- Located
- Selected in upper 13 inches:
- Water Marks:
- Ditch Lines:
- Sediment Deposits:
- Delineation Pattern in Wetland:

- Secondary Indicators (if any are required):
- Oakland Rock Channel in upper 2 inches:
- Water-Related Lines:
- Local Soil Survey:
- Morphological Plant Adaptations:
- Other (Explain in Remarks):

- No wetland hydrology noted.

Remarks:
- No wetland hydrology noted.

office files/07621/Data Form Route Wetland Delineation
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (upr #)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>2 red maple</td>
<td>H SS T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>3 black cherry</td>
<td>H SS T V</td>
<td>FACU/FACU</td>
<td>25</td>
</tr>
<tr>
<td>4 Rhus sp.</td>
<td>H SS T V</td>
<td>FACU</td>
<td>30</td>
</tr>
<tr>
<td>5 black cherry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>60</td>
</tr>
<tr>
<td>6 Canada goldense</td>
<td>H SS T V</td>
<td>FACU/FACU</td>
<td>20</td>
</tr>
<tr>
<td>7 wild strawberry</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>8 wood fern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
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<td>11</td>
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<td>12</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACU, FACU: 29%

50/20 Rule Applied? Yes

**WETLAND DETERMINATION**

- Hydrosopic Vegetation Present? Yes or No: Yes
- Hydric Soils Present? Yes or No: Yes
- Wetland Hydrology Present? Yes or No: Yes
- Is This Sampling Point Within a Wetland? Yes or No: Yes
- Hydrologic Connectivity to Off-site Wetlands? Yes or No: No
- Is This Wetland Potentially Isolated? Yes or No: No
- Does Any Part of this Delinewed Wetland or Jurisdictional Area Fall Within the Platted Boundary? Yes or No: Yes

Remarks:

Photo Reference Number:
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1997 USE Wetland Determination Manual**

<table>
<thead>
<tr>
<th>Project No.</th>
<th>57035</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Starting Break Wind Power Project</td>
</tr>
<tr>
<td>Investigator</td>
<td>Schwalbenauer/Tremblay</td>
</tr>
<tr>
<td>Township</td>
<td></td>
</tr>
<tr>
<td>County</td>
<td></td>
</tr>
<tr>
<td>State</td>
<td></td>
</tr>
<tr>
<td>Zip Code</td>
<td>10003</td>
</tr>
<tr>
<td>Do potential circumstances exist on site?</td>
<td>Y (Yes)</td>
</tr>
<tr>
<td>Is the site significantly disturbed?</td>
<td>Y (Yes)</td>
</tr>
<tr>
<td>Is the site a potential Problem Area?</td>
<td>N (No)</td>
</tr>
</tbody>
</table>

---

**SOILS**

<table>
<thead>
<tr>
<th>Section and Phase</th>
<th>(60A) Gages sit loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainage Class</td>
<td>not available</td>
</tr>
<tr>
<td>Soil Group</td>
<td>Commercial Type</td>
</tr>
<tr>
<td>Depth</td>
<td>Munsell Color Code</td>
</tr>
<tr>
<td>0-2</td>
<td>118</td>
</tr>
<tr>
<td>2-14</td>
<td>A</td>
</tr>
<tr>
<td>14-17</td>
<td>B</td>
</tr>
</tbody>
</table>

---

**HYDROLOGY**

- **Reported Data (Describe in Remarks)**
- No Reported Data Available
- 3-yr Annual Phenograms

**Wetland Hydrology Indicators**

- **Primary Indicators**
  - Ion Exchange
    - Saturation in upper 12 inches
  - Water表面
  - Depth Lines
  - Submergent Deposits
  - Delineation Pattern in Wetland

**Stream Characteristics**

- **Permanence**
  - Bank Width
  - Stream Width
  - Water Depth

- **Incise**
  - Channel bank
  - Overbanking/erosion

- **Interruption**
  - Deep pools
  - Log/trunk debris

---

| Flag Observations | | |
|-------------------|-------------|
| Ground surface inundated | yes |
| Soil saturated | yes |
| Depth to Free Water | 2 |
| Depth to Saturated Soil | 0 |

**Remarks**

- Wetland Chedun: Hummocky

---

**Additional Information**

- This document is part of a dataset related to wetland determinations.
VOCETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Status</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>red maple</td>
<td>H S/S</td>
<td>FAC</td>
<td>80</td>
</tr>
<tr>
<td>red maple</td>
<td>H S/S</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>sensitive fern</td>
<td>H S/S</td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>Spotted Jewelweed</td>
<td>H S/S</td>
<td>FACW/DL</td>
<td>50</td>
</tr>
<tr>
<td>Bigs</td>
<td>H S/S</td>
<td>FACW/DL</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species ORL, FACW, FAC: 100% 50%

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No

Hydroic Soils Present? Yes No

Is the Sampling Point Within a Wetland? Yes No

Hydrologic Connectivity to Off-site Wetlands? Yes No

Is this Wetland Potentially Isolated? Yes No

Does Any Part of this Delimited Wetland or Stream Extend Past the Plarmed Boundary? Yes No

Remarks:

Photo Reference Number:

s:src:office files:format:Data Form, Routine Wetland Determination.xls
**DATA FORM**

**MOUNTINE WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Project No.</th>
<th>70725</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
<td>Stearns Break Wind Power Project</td>
</tr>
<tr>
<td>Investigator</td>
<td>Schwabenhauer/Lambath</td>
</tr>
<tr>
<td>Date</td>
<td>8/23/08</td>
</tr>
<tr>
<td>Town</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County</td>
<td>Lewis</td>
</tr>
<tr>
<td>State</td>
<td>New York</td>
</tr>
</tbody>
</table>

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>(60A) Sage silty loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup</td>
<td>Not available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Matrix color-abundance</th>
<th>Texture, Structure, Date</th>
<th>Drainage Class</th>
<th>WD</th>
<th>MWD</th>
<th>SPD</th>
<th>PVD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>A</td>
<td>75%</td>
<td>None</td>
<td>Silt loam</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-8</td>
<td>B</td>
<td>75%</td>
<td>None</td>
<td>Silt loam</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Fenland:**
- **Rice Ecosystem:**
- **High Org. Content in Surface Layer of Sandy Soils:**
- **Slight Color:**
- **Reducing Conditions:**
- **Oxidized or Low-Chrome color:**
- **Listed as Local Hydric Soil:**
- **Listed as Potential for Hydric Indications Only:**
- **Other (Describe to Verbal):**
- **Aquatic Plant Indicator:**

**Landscape position:**

- **conservation**
- **corridor**
- **drainage**

**Remarks:**

No hydric soil indicators noted.

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>Field Obs/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
<td></td>
</tr>
<tr>
<td>Surface, Lake or Tide Grade</td>
<td></td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td></td>
</tr>
<tr>
<td>Ground Surface Inundated inches</td>
<td></td>
</tr>
<tr>
<td>Soil Inundated</td>
<td></td>
</tr>
<tr>
<td>Depth to Free Water inches</td>
<td></td>
</tr>
<tr>
<td>Depth to Immerged Soils inches</td>
<td></td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators:**

- **Inundated:**
- **Inundated in upper 12 inches:**
- **Water Stained Lenses:**
- **Local Soil Survey:**
- **Morphological Plant Adaptations:**
- **Other (Explain in Remarks):**

**Stream Characterization:**

<table>
<thead>
<tr>
<th>Flow</th>
<th>Morphology</th>
<th>Stream Gradient</th>
<th>Solum:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peat</td>
<td>Bank Walls</td>
<td>Gentle</td>
<td>Sand</td>
</tr>
<tr>
<td>Interg #</td>
<td>Stream Walls</td>
<td>Moderate</td>
<td>Sandite</td>
</tr>
<tr>
<td>Water Depth</td>
<td></td>
<td></td>
<td>Cobble</td>
</tr>
</tbody>
</table>

**Inundation Lows:**

- **Undercut bank:**
- **Overbanking vegetation:**
- **Others (Describe):**

**Remarks:**

No wetland hydrology noted.
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (write on)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Cherry</td>
<td>H S S V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H S S V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>Wood fern</td>
<td>H S S T V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>Red Maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACU, FAC: 60%

50/20 Rule Applied? Yes No

Remarks: Limited herbaceous layer due to dense canopy.

WETLAND DETERMINATION

Hydrophyte Vegetation Present? Yes or No

Hydro: Soils Present? Yes or No

wetland Hydrology Present? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Hydrologic Connectivity to Off-sites Wetlands? Yes or No

Is this Wetland Permanently Isolated? Yes or No

Does Any Part of this Delineated Wetland or Stream Cross Part the Flagged Boundary? Yes or No

Remarks: Photo Reference Number: 

\[\text{[Image}]\]
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

**1991 COE Wetland Delineation Manual**

Project No: 07803  
Applicant: Starting Brook Wind Power Project  
Investigator: Schwanhuber-Trebuchta

**NO**  
Confidence Level: Very Low

**Site Description**

**Section and Plane:** 66A  
**Site Name:**  
**Drainage Class:** WD  
**Confidence Mapped Type:**  
**Confidence:** Low  
**Depth:** Meters

<table>
<thead>
<tr>
<th>Depth</th>
<th>Meters</th>
<th>Color/Drainage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3</td>
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<td>None</td>
</tr>
<tr>
<td>1.5</td>
<td>0</td>
<td>None</td>
</tr>
<tr>
<td>4.5</td>
<td>0</td>
<td>None</td>
</tr>
<tr>
<td>9.5</td>
<td>0</td>
<td>Common</td>
</tr>
<tr>
<td>8</td>
<td>0</td>
<td>Clay</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

- **Mature:**
  - **Organic:**
  - **Soil Color:**
  - **Texture:**
  - **Structure:**
  - **Other:**
  - **Apparent Moisture Regime:**
  - **Lowland position:**
    - **Soil:**
    - **soil:**
    - **soil:**
    - **soil:**
    - **soil:**
    - **soil:**

**HYDROLOGY**

- **Recorded Data (Describe in Remarks):**
- **No Recorded Data A=98066**
- **Stream, Lake or tidal Gulf:**
- **Water Depth:**

**Field Observations:**

- **Ground Surface Inundated:**
- **Soil Stratification:**
- **Depth to Water:**
- **Depth to Seaweed:**

**Wetland Hydrology Indicators:**

- **Primary Indicators:**
  - **Inundated:**
  - **Immersed:**
  - **Morphological Plant Association:**
  - **Other (Describe in Remarks):**

**Stream Characterization:**

- **Flow:**
  - **Permanence:**
  - **Immersed:**
  - **Stream Width:**
  - **Depth:**

**Inundation/Depression:**

- **Depression:**
  - **Depression:**
  - **Depression:**

**Remarks:**

- **Hunnessy**
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Yes/No (check one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ostrich fern</td>
<td></td>
<td>FACW</td>
<td>40</td>
</tr>
<tr>
<td>2. sensitive fern</td>
<td></td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>3. cinnamon fern</td>
<td></td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>4. blooming indigolden</td>
<td></td>
<td>FACW</td>
<td>15</td>
</tr>
<tr>
<td>5. red maple</td>
<td></td>
<td>FACW</td>
<td>70</td>
</tr>
<tr>
<td>6. green ash</td>
<td></td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>7. spalwed alder</td>
<td></td>
<td>FACW+</td>
<td>25</td>
</tr>
<tr>
<td>8.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td></td>
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<tr>
<td>10.</td>
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<tr>
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<td>14.</td>
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<tr>
<td>15.</td>
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<td></td>
</tr>
<tr>
<td>16.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species 50%, FACW, FACW, 20%  50/50 Rule Applied? [Yes No]

### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** [Yes] [No]
- **Hydrofacies Present?** [Yes] [No]
- **Wetland Hydrology Present?** [Yes] [No]
- **3 ft Sampling Point Within a Wetland?** [Yes] [No]
- **Hydrologic Connectivity to Off-site Wetlands?** [Yes] [No]
- **Is this Wetland Potentially Isolated?** [Yes] [No]
- **Does Any Part of this Declared Wetland or Stream Extend Past the Flagged Boundary?** [Yes] [No]

Remark: [short office file format Data Form Routine Wetland Deletion.xls]
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07253  Appraiser: Roaring Brook Wind Power Project
Investigator: Schwebel/Thunburg

Date: 9/27/08
Town: Martinsburg
County: Lewis
State: New York

Do normal circumstances exist on site? Yes

Is the site significantly disturbed? Yes

Potential Problem Area? Yes

Data Point ID: LC. 7R97(Wetland ID) 1x6

SOILS

Series & Phase: (Gla) Gage 0 1410

Subtype: Not Available

Confined Mapped Type: Yes

Depth

Feature

Matrix color

Matrix color/texture

Texture, Structure, Other

0-11
A
Brown
None
Siilt/Loam

11+
B
Brown
None
Siilt/Loam

Hydric Soil Indicators:

Conspicuous

listed as Local Hydric Soil Line

Listed as Potential for Hydric Indications Only

Other (Specify in Remarks)

Aquatic Habitat Found

Landuse/cover:

None

Conspicuous: displaying X

Approximate size: 2-4

Remarks:

No hydric soil indicators noted.

HYDROLOGY

Recorded Data: (Describe in Remarks)

Stream, Lake or Tidal Flow

Aerial Photographs

Field Observations

Stream Channel

Secondary Indicators (2 or more required)

Oxidized Root Channels in upper 12 inches

Water-Stained leaves

Local Soil Survey

Morphological Phase Adaptations

Other (Specify in Remarks)

Stream Channel/Water Flow:

Permanence

Intermittent

Temporary

Mycorrhizal

Stream Gradient:

Bank Erosion

Instream

Substrate:

Bed Rock

Mud

Fine

Clay

Cobble

Gravel

Deep pool

Log/juniper debris

Remarks:

No wetland hydrology noted.
### VEGETATION

<table>
<thead>
<tr>
<th>Rank</th>
<th>Species</th>
<th>Symmetry</th>
<th>Indicator</th>
<th>% Cover</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>eastern hemlock</td>
<td>H S S O V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>2</td>
<td>red maple</td>
<td>H S S O V</td>
<td>FAC</td>
<td>56</td>
</tr>
<tr>
<td>3</td>
<td>yellow birch</td>
<td>H S S O V</td>
<td>FACU</td>
<td>10</td>
</tr>
<tr>
<td>4</td>
<td>black cherry</td>
<td>H S S O V</td>
<td>FACU</td>
<td>15</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>red maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>75</td>
</tr>
<tr>
<td>7</td>
<td>Rubus sp.</td>
<td>H S S T V</td>
<td>FAC/FACU</td>
<td>20</td>
</tr>
<tr>
<td>8</td>
<td>yellow birch</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>red maple</td>
<td>H S S T V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>11</td>
<td>wood fern</td>
<td>H S S T V</td>
<td>FACU</td>
<td>31</td>
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<td>12</td>
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<td>H S S T V</td>
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<td>13</td>
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<td>H S S T V</td>
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<td>14</td>
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<td>H S S T V</td>
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<tr>
<td>15</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBS, FACW, FAC: 67%

50/50 Rule Applied: Yes

### WETLAND DETERMINATION

Yes or No

Hydrophytic Vegetation Present? Yes or No

Hydro-Seeds Present? Yes or No

Wetland Hydrology Imposed? Yes or No

Hydrologic Connection to Off-site Wetlands? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Is this Wetland Potentially Inland? Yes or No

Does Any Part of this Distilled Wetland or Stream Extend Past the Platted Boundary? Yes or No

Remarks: Photo Reference Number:

5. upd office file/formatData Form Routing Wetland Delination.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

249 CDB, Wetland Determination Manual

<table>
<thead>
<tr>
<th>Project No:</th>
<th>97628</th>
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</thead>
<tbody>
<tr>
<td>Appliance:</td>
<td>Home Brewing Wind Power Project</td>
</tr>
<tr>
<td>Investigator:</td>
<td>Schrattenboeue-Lambeth</td>
</tr>
<tr>
<td>Comments:</td>
<td>Stream in stream</td>
</tr>
<tr>
<td>Drawn To Date:</td>
<td>9/27/08</td>
</tr>
<tr>
<td>County:</td>
<td>Morrow</td>
</tr>
<tr>
<td>Data Point ID:</td>
<td>160/28/976-5/2</td>
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<tr>
<td>Stream:</td>
<td>1006010</td>
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<tr>
<td>New York:</td>
<td>7-4</td>
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</tbody>
</table>

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>(Peb) Pickney silt loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td>NOT AVAILABLE</td>
</tr>
<tr>
<td>Depth</td>
<td>Horizon</td>
</tr>
<tr>
<td>0-2</td>
<td>O</td>
</tr>
<tr>
<td>2-6</td>
<td>A</td>
</tr>
<tr>
<td>6+</td>
<td>B</td>
</tr>
</tbody>
</table>

**Hydrologic Soil Indicators:**

- Mottling: None
- Nodules: None
- Organic Carbon in Surface Layer of Sandy Soils: None
- Reddish Color: Organic Streaking in Sandy Soils
- Reducing Conditions: Oxidized or Low Oxygen color
- Base Status: Organic

**Landscape position:**

- Upland

**HYDROLOGY**

- Recorded Data:
  - Stream, Waterfall, or Tide Gauge: Aerial Photographs
  - No Recorded Data Available

- Soil Inundated:
  - No

- Stream Characteristics:
  - Flow: Permanent
  - Maturity: 6 B
  - Substrate: Sand

- Stream Gradient:
  - Slope: Steep

- Intermittent:
  - Upland
  - Deep pools

**Field Observations:**

- Soil Inundated: No
- Depth to Free Water: 6-8 inches
- Depth to Saturated Soil: 0 inches

**Weedland Hydrology Indicators:**

- Inundated:
  - Yes
  - Inundated 12 inches

- Inundation Deposits:
  - No

- Scatting Pattern:
  - No

**Secondary Indicator (2 or more required):**

- Occasional Root Channel in sand 12 inches
- Water-stained leaves
- Land Survey:
  - No
  - Morphological Plant Adaptations

**Other (Explain in Remarks):**

**Remarks:**

- Hummocky

s:

- office files/form/Route Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (SR Th)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spotted Spindletree</td>
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<td>FACW</td>
<td>60</td>
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<tr>
<td>Sensitive Fern</td>
<td>SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>Cinnamon Fern</td>
<td>SS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
<tr>
<td>Sedges</td>
<td>SS T V</td>
<td>FACW/DBI</td>
<td>10</td>
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<tr>
<td>Sedges</td>
<td>SS T V</td>
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</tr>
<tr>
<td>Sedges</td>
<td>SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC: 100%

5920 Rule Applied? Yes No

Remarks:

### WETLAND DEFORMATION

| Hydrophytic Vegetation Present? | Yes or No |
| Hydric Soils Present? | Yes or No |
| Wetland Hydrology Present? | Yes or No |
| Hydrologic Connectivity to Off-site Wetlands? | Yes or No |
| Is this Sampling Point Within a Wetland? | Yes or No |
| Is this Wetland Isolated? | Yes or No |
| Does Any Part of this Delimited Wetland or Stressed Habitat Pass the Flagged Boundary? | Yes or No |

Remarks: Photo Reference Number:

s:dept_office_files/forms/Data Forms Routine Wetland Delineation.xls
Project No: 9725  Applicant: Running Brook Wind Power Project  
Date: 8/27/08  Town: Martinsburg
Investigator: Schaefferhans/Trentham  County: Lewis
Community: Not  State: New York

Do access circumstances relate to wetland?  ➔ Yes  ➔ No  
In the site significantly disturbed?  ➔ Yes  ➔ No  
Are there a potential Problem Areas?  ➔ Yes  ➔ No  
Site Flag To Date Plot: Y-2  
Data Plot ID: (x = 2730, y = 7058)  

SOILS  
Series and Phase: (PbC) Phegley Site 10A  
Subgroup: Not Available  
Subclass:  
Drainage Class: MNQ SPF PD VPD  
Subgroup:  
Subclass:  

Hydric Soil Indicators:  

<table>
<thead>
<tr>
<th>Metric</th>
<th>Vertical</th>
<th>Metric</th>
<th>Color Bands:</th>
<th>Tested</th>
<th>Structure</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td></td>
<td>Metric</td>
<td>Color Bands:</td>
<td>Tested</td>
<td>Structure</td>
<td>Other</td>
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<td></td>
<td>Metric</td>
<td>Color Bands:</td>
<td>Tested</td>
<td>Structure</td>
<td>Other</td>
</tr>
<tr>
<td>6+</td>
<td></td>
<td>Metric</td>
<td>Color Bands:</td>
<td>Tested</td>
<td>Structure</td>
<td>Other</td>
</tr>
</tbody>
</table>


Soil Position: continuum  
Depth to Clay:  

Remarks: No hydric soil indicators noted.

HYDROLOGY  
Recorded Data (Describe in Remarks)  
No Recorded Data Available  


Stream, Lake or Tidal Gauge:  
Soil Moisture:  

Wetland Hydrology Indicators:  

Primary Indicators:  

- Substrate:  
- Vegetation:  
- Water Level:  
- Disturbance:  
- Sediment Deposits:  
- Drainage Patterns in Wetland:  

Secondary Indicators (if more relevant):  

- Vegetation:  
- Sediment:  
- Morphological Plant Adaptations:  
- Other (Explain in Remarks):  


Stream Characteristics:  

- Width:  
- Flow:  
- Water Depth:  

Substrate:  

- Bed Rock:  
- Boulders:  
- Cobbles:  
- Gravel:  

Remarks: No wetland hydrology noted.
<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Status (seed class)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>black cherry</td>
<td>H SS 2 V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>eastern hemlock</td>
<td>H SS 1 V</td>
<td>FACU</td>
<td>70</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS 1 V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>red maple</td>
<td>H SS 2 V</td>
<td>FACU</td>
<td>50</td>
</tr>
<tr>
<td>wood fern</td>
<td>H SS T V</td>
<td>FACU</td>
<td>70</td>
</tr>
</tbody>
</table>

Remarks:

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes or No
Hydric Soil Present? Yes or No
Wetland Hydrology Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Hydrologic Connectivity to Cell-site Wetlands? Yes or No
Is this Wetland Potentially Isolated? Yes or No
Does Any Part of this Determined Wetland or Stream Extent Past the Flagged Boundary? Yes or No

Remarks:

Photo Reference Number:

s:\year\office\GIS\final\Data\Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

180 CDE Wetlands Determination Manual

---

**Project No:** 0925  
**Applicant:** Roaring Brook Wind Power Project  
**Investigator:**  
**Date:** 11/16/08  
**Town:** Martinsburg  
**County:** Lewis  
**State:** NY  
**Community:** Fern W Int Stream  
**Transaction/Flag ID:** WA - 1-19  
**Plot ID:** WSP 60 SF - 9

---

**SOILS**

**Series and Phase:** (EdB) Empwayne k-sHung loam  
**Subgroup:** Not Available  
**Drainage Class:** WA/WWE SFP PO YPD  
**Subgroup:**  
**Horizon:**  
**Matrix color/Mottle color/abundance:**  
**Texture, Structure, Other:**  
**Confirm Mapped Type:** Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Mottle color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1&quot;</td>
<td>A</td>
<td>Dull Gray</td>
<td>None</td>
<td>Silty Clay</td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**

<table>
<thead>
<tr>
<th>Method</th>
<th>Condition</th>
<th>Listed on Local Hydric Soils List</th>
<th>Listed as Potential for Hydric Indications Only</th>
<th>Other (Explain in Remarks)</th>
<th>Aquatic Moisture Regime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methane</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>High Oxygen</td>
<td>Contaminate in Surface Layer of Sandy Soils</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic</td>
<td>Smoking in Sandy Soils</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reducing Conditions</td>
<td>Clayed or Low Chroma color</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydrology**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
<td>BGN/PN Grand Surface Inundated_D-4_11&quot;</td>
</tr>
<tr>
<td>Stream Lake or Tidal Gauge</td>
<td></td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td>Soil Saturated</td>
</tr>
</tbody>
</table>

**Depth to Free Water:** inches.  
**Depth to Saturated Soils:** inches.

**Wetland Hydrology Indicators:**

<table>
<thead>
<tr>
<th>Primary Indicators</th>
<th>Secondary Indicators (2 or more required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland</td>
<td>Oxidized Root Channels in upper 12 inches</td>
</tr>
<tr>
<td>Irrigated</td>
<td>Water-Stained Leaves</td>
</tr>
<tr>
<td>Drain Lines</td>
<td>Local Soil Survey</td>
</tr>
<tr>
<td>Sediment Deposits</td>
<td>Morphological Plant Adaptations</td>
</tr>
</tbody>
</table>

**Remarks:**

s:tdr office Realforms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (check and)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. WDF GRASS</td>
<td>SS T V</td>
<td>FACW</td>
<td>45</td>
</tr>
<tr>
<td>2. SFT NUSHR</td>
<td>SS T V</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>3. PURPLE RR</td>
<td>SS T V</td>
<td>OBL</td>
<td>5</td>
</tr>
<tr>
<td>4. WEEDLAND BUTTERCUP</td>
<td>SS T V</td>
<td>FACW/OBL</td>
<td>10</td>
</tr>
<tr>
<td>5. WEEDLAND CAREW</td>
<td>SS T V</td>
<td>FACW/OBL</td>
<td>30</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW: 100%  

5%20 Rule Applied?  

No

Remarks:

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present?  
- Hydric Soils Present?  
- Wetland Hydrology Present?  
- Is this Sampling Point Within a Wetland?  
- Hydrologic Connectivity to Offsite Wetlands?  
- Is this Wetland Potentially Isolated?  

Remarks:

Photo Reference Number:

s:\edr\office files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Project No.</th>
<th>07925</th>
<th>Applicator:</th>
<th>Hearing Brook Wind Power Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investigator:</td>
<td>Stebbins &amp; Schmucker</td>
<td>Date:</td>
<td>11/6/08</td>
</tr>
<tr>
<td>Community:</td>
<td>Morav gros</td>
<td>Town:</td>
<td>Martinsburg</td>
</tr>
<tr>
<td>County:</td>
<td>Lewis</td>
<td>State:</td>
<td>NY</td>
</tr>
</tbody>
</table>

**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>(ECC) Endure</th>
<th>Drainage Class</th>
<th>WP &amp; WD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td>not available</td>
<td>Confirm Mapped Type</td>
<td>Yes</td>
</tr>
<tr>
<td>Depth</td>
<td>Horizon</td>
<td>Matrix color</td>
<td>Mottle color/abundance</td>
</tr>
<tr>
<td>0-2&quot;</td>
<td>Organic matter</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>2-4&quot;</td>
<td>Loamy Lower Subjects</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
<th>Listed on Local Hydric Soil List</th>
<th>Listed as Potential for Hydric Inclusions Only</th>
<th>Other (Explain in Remarks)</th>
<th>Aquatic Macrofauna Regime</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Landscape Position:**

- **contour**
- **convex**
- **flat**
- **unleveling**
- **slowing**
- **Approximate Slope:**

**HYDROLOGY**

<table>
<thead>
<tr>
<th>Recorded Data (Describe in Remarks)</th>
<th>Field Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Recorded Data Available</td>
<td>Group Surface Inundated (inches.)</td>
</tr>
<tr>
<td>Steam, Lake or Tidal Zone</td>
<td>Salt Tolerant</td>
</tr>
<tr>
<td>Aerial Photographs</td>
<td>Depth to Water (inches.)</td>
</tr>
<tr>
<td></td>
<td>Depth to Inundated Soils (inches.)</td>
</tr>
</tbody>
</table>

**Wetland Hydrology Indicators:**

<table>
<thead>
<tr>
<th>Primary Indicators</th>
<th>Secondary Indicators (2 or more required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inundated</td>
<td>Outlined Root Channels in upper 12 inches</td>
</tr>
<tr>
<td>Saturated in upper 12 inches.</td>
<td>Water-Shed Leaves</td>
</tr>
<tr>
<td>Water Bodies</td>
<td>Local Sed Survey</td>
</tr>
<tr>
<td>Drift Lines</td>
<td>Morphological Plant Adaptations</td>
</tr>
<tr>
<td>Sediment Depots</td>
<td>Other (Explain in Remarks)</td>
</tr>
<tr>
<td>Drainage Pattern in Wetland</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

| Remarks: | no wetland hydro |

*This file is not a Wetland Determination form.*
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Strategy (size code)</th>
<th>Indicator</th>
<th>% Cover</th>
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</thead>
<tbody>
<tr>
<td>Grasses - Poa sp.</td>
<td>H SS TV</td>
<td>FACUNLE</td>
<td>70</td>
</tr>
<tr>
<td>Nasturtium</td>
<td>W SS TV</td>
<td>FACW/NE</td>
<td>10</td>
</tr>
</tbody>
</table>

| Percent of Dominant Species OBL, FACW, FAC | Percent of Dominant Species OBL, FACW |

502(e) Role Applied? **Yes** **No**

Remarks:

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydros Soil Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number:

s:\led\office\files\form\Data Form Routine Wetland Delineation.xls
Stream Inventory

Observer: Stebbins/Schawin/Matthias
Weather: Sunny, mild

Stream Name: BA

Stream Location (nearest road, structure, etc.): across from main entrance to property, parallel to wall, river

Adjacent Community: Mixed grass + perk

Stream Gradient: 
- gentle X
- moderate __
- steep __

Bank Width: 4-8

Stream Width: 2-4

Water Depth: 0-8"

Substrate:
- Bed Rock __
- Boulder X
- Cobble __
- Gravel __
- Sand __
- Silt X
- Clay __

Instream Cover:
- Undercut bank __
- Overhanging vegetation __
- Logs/woody debris __
- Deep pools __
- Other __

Flow: Permanent X

Photo #: Photo # Flag BA-5
Flag #: BA1-BA6

Additional Comments: Connects to west and BA @ flag BA-6 through BA continues to flag BA-19, stream curv

Environmental Design & Research
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 COR Wetland Determination Manual

Project No: 07025  Applicant: Brokering Brook Wind Power Project  Date: 11/6/08
Investigator: 

Do normal circumstances exist on site?  Yes No  Comment:

Is the site significantly disturbed?  Yes No  Transect-Flag ID:

Is the area a potential Problem Area?  Yes No  Plot ID:

SOILS
Series and Profile: (EdB) Empeyville Story Loamy  Drainage Class: WDPVDP SPDPFDVDP
Subgroup: not available  Confirm Mapped Type: Yes No

Depth 0-3"  Matrix color: Organic Matter

3-6"  Matrix color/Abundance: None

6-16"  Matrix color/Abundance: Brandywine

Hydric Soil Indicators:  Location on Local Hydric Soil List

Mature  High Organic Content in Surface Layer of Sandy Soils

High Epiphilous  Organic Streaking in Sandy Soils

Reducing Conditions  Clayey or Low Chroma color

Drainage: concave  Concave undulating

Landscape position:

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks)

No Recorded Data Available

Photographs

Aerial Photographs

Field Observations

Ground Surface Assessed: inches.

Soil Tussioned:

Depth to Free Water: inches.

Depth to Saturation: inches.

Wetland Hydrology Indicators:

Primary Indicators

Inundated

Saturated in upper 12 inches

Drift Lines

Drainage Patterns in Wetland

Secondary Indicators (2 or more required)

Groundwater/Channels in upper 12 inches

Water/Shallow soils

Lodd Sediment

Morphological Plant Adaption

Other (Explain in Remarks)

Remarks:

s:

ooffice file\format\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Status (g/s/t/v)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland Sect</td>
<td>S S T V</td>
<td>FACW/0851</td>
<td>70</td>
</tr>
<tr>
<td>2</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>S S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>4</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>S S T V</td>
<td>FACW</td>
<td>25</td>
</tr>
<tr>
<td>6</td>
<td>S S T V</td>
<td>FACW/0851</td>
<td>75</td>
</tr>
<tr>
<td>7</td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S S T V</td>
<td></td>
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<tr>
<td></td>
<td>S S T V</td>
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<tr>
<td></td>
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<tr>
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<tr>
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<td>S S T V</td>
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<tr>
<td></td>
<td>S S T V</td>
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<tr>
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<td>S S T V</td>
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<tr>
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<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S S T V</td>
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</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 75%

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrophytic Vegetation Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydric Soils Present?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Plane Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Possibly Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks:

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
<th>Subgroup</th>
<th>Confirm Mapped Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>(EdB) Emporyxite</td>
<td>WD</td>
<td>not available</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Hosing</th>
<th>Matrix color</th>
<th>Mollic color/Abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;</td>
<td>A</td>
<td>silt</td>
<td>none</td>
<td>silt</td>
</tr>
<tr>
<td>4-6&quot;</td>
<td>B</td>
<td>sand</td>
<td>sandy loam, grayish white</td>
<td>silty</td>
</tr>
<tr>
<td>6&quot;</td>
<td></td>
<td>clay-loam</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- Organic
- High Organic Content in Surface Layer of Sandy Soils
- Saturated

**Landscape position:**
- concave
- convex
- sloping
- undulating

**Remarks:**

**HYDROLOGY**

**Recorded Data (Denote in Remarks):**
- No Recorded Data Available
- Stream, Lake or Tidal Geage
- Aerial Photographs

**Field Observations:**
- Gross Surface Inundated, \( \frac{1}{8} \) inch.

**Wetland Hydrology Indicators:**
- Inundated
- Emerged in upper 12 inches
- Water-hold peaks
- Soil Depression

**Secondary Indicators (2 or more required):**
- Oxidized Root Channels in upper 12 inches
- Water-Stained leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**
- Recent Snowmelt - Saturation appears seasonal
**VEGETATION**

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (not one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland core</td>
<td></td>
<td>FACW/08</td>
<td>50</td>
</tr>
<tr>
<td>Wild Strawberry</td>
<td></td>
<td>FACW/08</td>
<td>5</td>
</tr>
<tr>
<td>Hairy Weed</td>
<td></td>
<td>FACW/08</td>
<td>10</td>
</tr>
<tr>
<td>Golden Ragwort</td>
<td></td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>White Daisy</td>
<td></td>
<td>FACW/08</td>
<td>5</td>
</tr>
<tr>
<td>Clover</td>
<td></td>
<td>FACW/08</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBI, FACW, FACW/08

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Parent?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-Site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

"Mowed hayfield. Would likely revert to wetland were active agriculture abandoned."

Photo Reference Number: s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
<table>
<thead>
<tr>
<th>Soil Group</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Mothly Abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6&quot;</td>
<td>A</td>
<td>25% grey</td>
<td>none</td>
<td>Fine</td>
</tr>
<tr>
<td>6-12&quot;</td>
<td>B</td>
<td>41% grey</td>
<td>medium</td>
<td>Clayey Loam</td>
</tr>
</tbody>
</table>

Hydrology Indicators:
- **Primary Indicators**
  - *Inundated*
  - *Submerged in upper 12 inches*
  - *Drift Lines*  
  - *Sediment Deposits*
- **Secondary Indicators** (2 or more required)
  - *Oxidized Root Channels in upper 12 inches*
  - *Water Stained Leaves*
  - *Morphological Plant Adaptations*
  - *Other (Explain in Remarks)*

Remarks:...
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Subtlety (Code No.)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tussock Sedge</td>
<td>G S S T V</td>
<td></td>
<td>80</td>
</tr>
<tr>
<td>Other Perennial</td>
<td>H S S T V</td>
<td>FAWYDEL</td>
<td>20</td>
</tr>
<tr>
<td>Willow Grass</td>
<td>G S S T V</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sweet Gale</td>
<td>H S S T V</td>
<td>OBL</td>
<td>10</td>
</tr>
<tr>
<td>Woodland Sweet Sedge</td>
<td>H S S T V</td>
<td>FACW1</td>
<td>20</td>
</tr>
<tr>
<td>Wet Willow</td>
<td>H S S T V</td>
<td>FACW1</td>
<td>10</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW1: **100%**
50/50 Rule Applied: **Yes**

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
</tr>
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<tbody>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
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Remarks: [s:\edr office files\forms\Data Form Routine Wetland Delineation.xls]
<table>
<thead>
<tr>
<th>Soil Series and Phase</th>
<th>Drainage Class</th>
<th>WD</th>
<th>WV</th>
<th>FD</th>
<th>VPD</th>
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</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-3 1/2</td>
<td>0</td>
<td>Organic matter</td>
<td>Clay loam</td>
</tr>
<tr>
<td>3-16 1/2</td>
<td>A</td>
<td>Silty clay loam</td>
<td>Clay loam</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hydric Soil Indicators</th>
<th>Conditions</th>
<th>Landscape position</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Hypisohydric</em></td>
<td>Organic matter in surface layer of sandy soils</td>
<td>Concave</td>
</tr>
<tr>
<td><em>Sulfatic Color</em></td>
<td>Organic staining in sandy soils</td>
<td>Convex</td>
</tr>
<tr>
<td><em>Reducing Conditions</em></td>
<td>Gleyed or low chroma color</td>
<td>Steep</td>
</tr>
</tbody>
</table>

Remarks: **Soil is clay loam**

**HYDROLOGY**

- **Recorded Data (Describe in Remarks)**
- **No Recorded Data Available**
- **Stream, Lake or Tide Gauge**
- **Aerial Photographs**
- **Field Observations**
  - **Ground Surface Inundation**
  - **Soil Saturation**
- **Depth to Free Water**
- **Depth to Saturation**

**Wetland Hydrology Indicators:**

- **Primary Indicators**
  - Inundated
  - Saturation in upper 12 inches
  - Ditch lines
  - Sediment deposits
  - Drainage patterns in wetland
- **Secondary Indicators (2 or more required)**
  - Cracked root channels in upper 12 inches
  - Water-stained leaves
  - Local soil survey
  - Morphological plant adaptations
  - Other (Explain in Remarks)

Remarks: **No wetland hydrology**
VEGETATION

<table>
<thead>
<tr>
<th>Plot</th>
<th>Dominant Plant Species</th>
<th>Structure (cm in.)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>balsam</td>
<td>H S S T T T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>2</td>
<td>yellow birch</td>
<td>H S S T T T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>red maple</td>
<td>H S S T T T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>H S S T T T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>kaisam</td>
<td>H S S T T T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>6</td>
<td>brack hazelnut</td>
<td>H S S T T T V</td>
<td>FACW</td>
<td>30</td>
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<tr>
<td>7</td>
<td></td>
<td>H S S T T T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>ft. wood fern</td>
<td>H S S T T T V</td>
<td>FACW</td>
<td>25</td>
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<tr>
<td>10</td>
<td>gold thistle</td>
<td>H S S T T T V</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>11</td>
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<td></td>
</tr>
<tr>
<td>12</td>
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<td>H S S T T T V</td>
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<td>15</td>
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<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H S S T T T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBS, FAC, FACW

50/20 Rate Applied? Yes No

Remarks:

WEIGHTED DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present? Yes or No</th>
<th>Hydric Soils Present? Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water/Wetland Presence? Yes or No</td>
<td>Is this Sampling Point Within a Wetland? Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands? Yes or No</td>
<td>Is this Wetland Potentially Drained? Yes or No</td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number:
# DATA FORM
## ROUTINE WETLAND DETERMINATION

**1997 CNH Wetland Determination Manual**

- **Project No.:** 77925
- **Applicant:** Hearing Brook Wind Power Project
- **Investigating:** Ends
- **Date:** 11/6/08
- **Community:** PSS
- **County:** Lewis
- **State:** NY
- **Plot ID:** USP 8-1 6 C-12
- **Treater/Flag ID:** BC1-12

### SOILS

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth (fs)</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Matrix color/absence</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-6''</td>
<td>A 10yr 3/1</td>
<td>faw</td>
<td></td>
<td>Clay</td>
</tr>
<tr>
<td></td>
<td>6-10''</td>
<td>AB 10yr 3/2</td>
<td>many 10yr 4/3</td>
<td></td>
<td>clay</td>
</tr>
<tr>
<td></td>
<td>10-60''</td>
<td>10yr 4/3</td>
<td></td>
<td></td>
<td>gravelly/clay</td>
</tr>
</tbody>
</table>

- **Hydrill Soil Indicators:**
  - **Hydrological Features:**
    - **Concave:**
    - **Convex:**
    - **Flat:** updating
  - **Landscape position:**
    - **Slope Type:**
      - **Approximate slope:**

### HYDROLOGY

- **Recorded Data (Describe in Remarks):**
  - No Recorded Data Available
  - Stream, Lake or Tide Gauge
  - Aerial Photographs
  - Field Observations
    - Ground Surface inundated 11/4 inches.
    - Soil saturated.

- **Depth to Free Water:** 6'' inches.
- **Depth to Saturated Soil:** 6'' inches.

### Wetland Hydrology Indicators:

- **Primary Indicators:**
  - Inundated
  - Saturated in upper 12 inches.
  - Water Bars
  - Drift Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland

- **Secondary Indicators (2 or more required):**
  - Ozalid Root Channels in upper 12 inches
  - Water-Stained Leaves
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

### Remarks:

- s:\adr office files\forms\data form routine wetland determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Plot Number: 07025</th>
<th>Date: 11/6/08</th>
<th>Plot ID Number: USF&amp;I(1) BC-12</th>
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</thead>
<tbody>
<tr>
<td><strong>Dominant Plant Species:</strong></td>
<td><strong>Stratums (code use):</strong></td>
<td><strong>Indicator:</strong></td>
</tr>
<tr>
<td>1</td>
<td>Alder</td>
<td>H S8 T V</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>H S8 T V</td>
</tr>
<tr>
<td>3</td>
<td>Ceanoths</td>
<td>H S8 T 0</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>H S8 T V</td>
</tr>
<tr>
<td>5</td>
<td>Wood-Rin</td>
<td>H S8 T V</td>
</tr>
<tr>
<td>6</td>
<td>Upland Skunkbush</td>
<td>H S8 T V</td>
</tr>
<tr>
<td>7</td>
<td>Western Coraline</td>
<td>H S8 T V</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>H S8 T V</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>H S8 T V</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>H S8 T V</td>
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<tr>
<td>11</td>
<td></td>
<td>H S8 T V</td>
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<td>12</td>
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<td></td>
<td>H S8 T V</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H S8 T V</td>
</tr>
</tbody>
</table>

**Percent of Dominant Species OBL, FACW, FAC:** 67%

**Percent of Dominant Species OBL, FACW:** 67%

50/20 Rule Applied? Yes No

**Remarks:**

---

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present? (Yes or No)</th>
<th>Hydric Soils Present? (Yes or No)</th>
<th>Wetland Hydrology Present? (Yes or No)</th>
<th>Is this Sampling Point Within a Wetland? (Yes or No)</th>
<th>Hydrologic Connectivity to Off-site Wetlands? (Yes or No)</th>
<th>Is this Wetland Potentially Isolated? (Yes or No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>Yes or No</td>
<td>No or Yes</td>
</tr>
</tbody>
</table>

**Remarks:**

Photo Reference Number:

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DATA FORM
ROUTINE WETLAND DETERMINATION
401 CDE Wetlands Definition Manual

Project No: 07025  Applicants: Hoarding Brook Wind Power Project  Date: 1/6/08
Investigator: Sheehan/Sheehan  Town: Martinburg

Do normal circumstances exist on-site? Yes  No  Community: SC-1-02
Is the site significantly disturbed? Yes  No  Transect/Flag ID: BC-1-02
Is the area a potential Problem Area? Yes  No  Plot ID: USF & I @ 8C-12

SOILS
Series and Phase: (WBS) WEDITG Story loan  Drainage Class: WD MWD 020 PD 020 VPD
Subgroup:  Confirm Mapped Type: Yes  No
Depth Horizon Matrix color Matrix color/absence Texture, Structure, Other
0-16' A 1014 3/8 none Silty loam

Hydric Soil Indicators:
- Histosols
- Hydric Epikarst
- Sulfatic Soils
- Reducing Conditions

Landscape position: concave convex undulating

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks):
- No Recorded Data Available
- Stream, Lake or Tidal Gages
- Aerial Photographs

Field Observations:
- Grain Surface Inundated ___ inch.
- Water Saturated ___ inch.
- Depth to Free Water ___ inch.
- Depth to Saturated Soil ___ inch.

Ocean Hydrology Indicators:
Primary Indicators:
- Inundated
- Saturated in upper 12 inches
- Water Marks
- Drift Lines
- Sediment Deposits

Secondary Indicators (2 or more required):
- Organic Root Channels in upper 12 inches
- Water-Stained leaves
- Local Soil Survey
- Morphological-structural Adaptations
- Drier (Describe in Remarks)

Remarks:

� No Wetland hydrology

e:
edr office.dataforms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (left to right)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Alder</td>
<td>H S S T V</td>
<td>FACW</td>
<td>70</td>
</tr>
<tr>
<td>2.</td>
<td>H S S T V</td>
<td>FAC-</td>
<td>30</td>
</tr>
<tr>
<td>3. Mud grass</td>
<td>H S S T V</td>
<td>FACU</td>
<td>20</td>
</tr>
<tr>
<td>4.</td>
<td>H S S T V</td>
<td>FACU</td>
<td>5</td>
</tr>
<tr>
<td>5. Wood fern</td>
<td>H S S T V</td>
<td>FACU</td>
<td></td>
</tr>
<tr>
<td>6. Strawberry</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>H S S T V</td>
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<td>11.</td>
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<td>H S S T V</td>
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<td>H S S T V</td>
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<td>14.</td>
<td>H S S T V</td>
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<td>15.</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>H S S T V</td>
<td></td>
<td></td>
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</table>

Percent of Dominant Species OB, FACW, FAC: 50%  

50/50 Rule Against? Yes No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Feature</th>
<th>Yes or No</th>
<th>Yes or No</th>
<th>Yes or No</th>
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<tbody>
<tr>
<td>Hydrophytic Vegetation Present?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydric Soils Present?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is this Sampling Point within a Wetland?</td>
<td>Year of</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
<td>Photo Reference Number:</td>
<td></td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 COE Wetland Delineation Manual

Project No: 07025
Applicant: Reoring Brook Wind Power Project
Date: 11/6/98
Investigator: Shebbitt/Sabam
Location: Benches

Do normal circumstances exist on site? No
Is the site significantly disturbed? Yes
Is the area a potential Problem Area? Yes

Community: Fremont/Goodplain
Transaction/Flag ID: DS-1-5
Plot ID: USP-08-10-4

SOILS
Series and Phase: (WCB) Wetland Study Team
Subgroup: Not Available

Series and Phase: (WCB) Wetland Study Team
Subgroup: Not Available

Depth
Horizon
0-18

Hydro Soil Indicators:
- Hydric Signs
- Soil Color
- Soil Texture
- Organic Streaking in Sandy Soils
- Field Moisture Regime

Drainage Class: WD
Conf. Mapped Type: No

Landscape position: Cone

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks)
- Stream, Lake or Title Change
- Aerial Photographs

Field Observation:
- Depth to Free Water: 0" inches
- Depth to Soil Saturation: 0" inches

Secondary Indicators (2 or more required)
- Oxidized Root Channels in upper 12 inches
- Water-Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

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**VEGETATION**

<table>
<thead>
<tr>
<th>Plot #</th>
<th>Species</th>
<th>Stratum (4x4)</th>
<th>Indicator</th>
<th>% Cover</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Wetland Canes</td>
<td>H SS T V</td>
<td>FACW/001</td>
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<tr>
<td>2</td>
<td>Wetland Gras.</td>
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<td>FACW/001</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>H SS T V</td>
<td>FACW</td>
<td>10</td>
</tr>
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<td>4</td>
<td></td>
<td>H SS T V</td>
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</tr>
<tr>
<td>6</td>
<td></td>
<td>H SS T V</td>
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<td>7</td>
<td>Alder</td>
<td>H SS T V</td>
<td>FACW+</td>
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<td>8</td>
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<td>H SS T V</td>
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<td>H SS T V</td>
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<td>H SS T V</td>
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<td>H SS T V</td>
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<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 100%

Remarks:

---

**WETLAND DETERMINATION**

<table>
<thead>
<tr>
<th>Question</th>
<th>Yes or No</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrophytic Vegetation Present?</td>
<td>Yes or No</td>
<td></td>
</tr>
<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes or No</td>
<td></td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands</td>
<td>Yes or No</td>
<td></td>
</tr>
<tr>
<td>Is the Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
<td></td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Photo Reference Number:

5:esr office files/forms/Data Form Routine Wetland Delineation.xls
### DATA FORM

**Routine Wetland Determination**

1997 COE Wetlands Definition Manual

<table>
<thead>
<tr>
<th>Project No.</th>
<th>07625</th>
<th>Applicant:</th>
<th>Hoisington Wind Power Project</th>
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<tbody>
<tr>
<td>Investigator</td>
<td>N/A</td>
<td>Town:</td>
<td>Hoisington</td>
</tr>
<tr>
<td></td>
<td></td>
<td>County:</td>
<td>Lewis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>State:</td>
<td>NY</td>
</tr>
</tbody>
</table>

- **Do normal circumstances exist on site?** Yes
- **Is the site significantly disturbed?** Yes
- **Is the area a potential Problem Area?** Yes
- **Community:** N/A
- **Transaction/Flag ID:** SP 1-5
- **Plot ID:** USP #1 080-4

### SOILS

<table>
<thead>
<tr>
<th>Series and Phase</th>
<th>Drainage Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARB</td>
<td>WD MVI-SPD FE-VPD</td>
</tr>
</tbody>
</table>

- **Subgroup:** Not Available
- **Soil Color:** Brown

#### Substrate
- **Hydric Soil Indicators:**
  - **Hydrology:**
    - **Soil Color:** Brown
    - **Shade Color:** Brown
    - **Hydric Condition:** Regulated or Low Chroma color

#### Landscape position:
- **Condition:** Convex
- **Slope:** Steep
- **Gradation:** Steep

### HYDROLOGY

- **Field Observations:**
  - **Ground Surface Invaded:** inches
  - **Soil Saturation:**
  - **Depth to Fresh Water:** inches
  - **Depth to Saturated Soil:** inches

#### Wetland Hydrology Indicators:

<table>
<thead>
<tr>
<th>Primary Indicators</th>
<th>Secondary Indicators (2 or more required)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Remarks:** Not applicable

- **NO Wetland Hydrology**

s://ebr office files/forms/Data Forms Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plot</th>
<th>Dominant Plant Species</th>
<th>Stratum (3 levels)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Balsam</td>
<td>H SS B V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>Red Maple</td>
<td>H SS B V</td>
<td>FAC</td>
<td>40</td>
</tr>
<tr>
<td>3</td>
<td>Black Cherry</td>
<td>H SS B V</td>
<td>FACU</td>
<td>25</td>
</tr>
<tr>
<td>5</td>
<td>Balsam</td>
<td>H SS T V</td>
<td>FAC</td>
<td>50</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
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<td>H SS T V</td>
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<td>H SS T V</td>
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<td>H SS T V</td>
<td></td>
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<tr>
<td>15</td>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>H SS T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, OBL, FACW: 25%

50/20 Rule Applied? Yes No

Remarks: No

### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydro-Soil Present? Yes or No
Wetland Hydrology Present? Yes or No
Hydrologic Connectivity to Offsite Wetlands? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Is this Wetland Potentially Isolated? Yes or No

Remarks: Photo Reference Number:

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
Stream Inventory

Observer:        Fleischer
Name:            I. Stebler
Weather:         Clear

Stream Name:     Roaring Brook C(+)
Stream Location (nearest road, structure, etc.): Roaring Brook Xing @ Walligery Trail
Adjacent Community: Lupand Hardwood E0 on ea & 100 ft from plain

Stream Gradient: gentle
- moderate  
- steep  

Bank Width:     15'
Stream Width:   15

Water Depth:    1.2' @ crossing

up to 2' in upstream areas

Substrate:
- Bed Rock
- Boulder
- Cobble
- Gravel
- Sand
- Silt
- Clay

Instream Cover:
- Undercut bank
- Overhanging vegetation
- Logs/woody debris
- Deep pools
- Other

Flow:           Permanent
- Intermittent

Photo # 3GPs'd
Flag's 803
15 West edge

Additional Comments:

Environmental Design & Research
Stream Inventory

Observer:
Name: [Name]
Weather: [Weather]

Stream Name: Roaring Brook

Stream Location (nearest road, structure, etc.): [Location]
Adjacent Community: [Community]

Stream Gradient: [Gradient]
- gentle
- moderate
- steep

Bed Width: 10’ - 15’
Stream Width: 10’ - 15’
Water Depth: 18’ - 36’

Substrate:
- Bed Rock
- Boulder
- Cobble
- Gravel
- Sand
- Silt
- Clay
- Mud bottom

Instream Cover:
- Undercut bank
- Overhanging vegetation
- Ledge/woody debris
- Deep pools
- Other

Flow:
- Permanent
- Intermittent

Photo # 185
Flag #’s

Additional Comments:

Environmental Design & Research
**SOILS**

<table>
<thead>
<tr>
<th>Series and Phase:</th>
<th>not mapped</th>
<th>Drainage Class:</th>
<th>WD NWD SPD PD VPD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subgroup:</td>
<td></td>
<td>Confirm Mapped Type:</td>
<td>Yes No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Mottle color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>9+</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Hydric Soil Indicators:**
- Conclusions: Listed on Local Hydric Soils List
- High Org. Content in Surface Layer of Sandy Soils: Listed as Potential for Hydric Indications Only
- Organic Streaking in Sandy Soils: Other (Explain in Remarks)
- Glyzed or Low Chroma color: Aquic Munsell Regime

**Landscape position:**
- concave
- convex
- sloping

**Remarks:** Wetland adjacent to head edge wetland condition up to gravel.

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**
- No Recorded Data Available
- Stratum, Lake or Tide Gauge
- Aerial Photographs

**Field Observations:**
- Ground Surface Level 2 inches
- Soil Saturated
- Depth to Free Water: 0 inches
- Depth to Saturated Soil: 0 inches

**Wetland Hydrology Indicators:**

<table>
<thead>
<tr>
<th>Primary Indicators</th>
</tr>
</thead>
</table>
| \[\n\] Trashed
| \[\n\] Saturated in upper 12 inches
| \[\n\] Water Marks
| \[\n\] Drift Lines
| \[\n\] Sediment Deposits

**Secondary Indicators (2 or more required):**
- Oxidized Root Channels in upper 12 inches
- Water-Statsed leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:** inundated due to recent rain
<table>
<thead>
<tr>
<th>VEGETATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dominant Plant Species:</td>
</tr>
<tr>
<td>1. Salix sp.</td>
</tr>
<tr>
<td>2. Sensitive Fern</td>
</tr>
<tr>
<td>3. Spiceland Alder</td>
</tr>
<tr>
<td>4. Alder</td>
</tr>
<tr>
<td>5. Alder</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBS, FACW, FACW 100% Percent of Dominant Species OBS, FACW 100%

50/20 Rule Applied? **Yes**

Remarks:

<table>
<thead>
<tr>
<th>WETLAND DETERMINATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrophytic Vegetation Present? <strong>Yes</strong> or <strong>No</strong></td>
</tr>
<tr>
<td>Hydrologic Suits Present? <strong>Yes</strong> or <strong>No</strong></td>
</tr>
<tr>
<td>Wetland Hydrology Present? <strong>Yes</strong> or <strong>No</strong></td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland? <strong>Yes</strong> or <strong>No</strong></td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands? <strong>Yes</strong> or <strong>No</strong></td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated? <strong>Yes</strong> or <strong>No</strong></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number: **19FRL**
DATA FORM
ROUTINE WETLAND DETERMINATION
1997 USFWS Wetland Delineation Manual

Project No: 07-025
Applicant: Bearson Brook Wind Power
Investigator: Enck, Pippen

Date: 9/9/2008
Town: Martinsburg
County: Lewis
State: NY

Do normal circumstances exist on site? (Y) No (N) Community Type: Upland mixed forest
Is the site significantly disturbed? (Y) No Nearest Flag To Data Point: FRI-1
Is the area a potential Problem Area? (Y) No Data Point ID: (e.g. 29R1)(Wetland G) X

SOILS
Series and Phase: NOT mapped
Drainage Class: WD MWD SPD PD VPD

Subgroup: Confirm Mapped Type: Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Mottle color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5</td>
<td>A1 8YR 3/2</td>
<td>rock/cobble below</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:
- Upland
- High O.C. Content in Surface Layer of Sandy Soils
- Organic Soils in Sandy Soils
- Glycol or Low Chromic color
- Aquatic Macrophyte Regime

Landscape position: concave convex leveling
flat undulating

Remarks:

HYDROLOGY

Recorded Data (Describe in Remarks)
- No Recorded Data Available
- Stream, Lake or Tidal Gauge
- Aerial Photographs

Field Observation
- Ground Surface Inundated inches.
- Soil Saturated.

Wetland Hydrology Indicators:
Primary Indicators
- Inundated
- Saturated in upper 12 inches
- Water Marks
- Deep Lines
- Sediment Deposits
Secondary Indicators (2 or more required)
- Outflow Rock Channels in upper 12 inches
- Water-Stained Inundated
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks: No indicators present

s: \drr office files\forms\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>B S/S T V</td>
<td>FAC-50</td>
<td>50</td>
</tr>
<tr>
<td>H S/S T V</td>
<td>FAC W+</td>
<td>20</td>
</tr>
<tr>
<td>H S/S T V</td>
<td>FAC W+</td>
<td>10</td>
</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

- **Hydrophytic Vegetation Present?** Yes or No
- **Hydric Soil Present?** Yes or No
- **Is this Sampling Point Within a Wetland?** Yes or No
- **Hydrologic Connectivity to Off-site Wetlands?** Yes or No
- **Wetland Potentially Isolated?** Yes or No

#### Remarks:
- Sparse red maple seedlings in open forest.

#### Photo Reference Number:
- [s:edr office files/formsData Form Routine Wetland Delineation.xls]
DATA FORM
ROUTINE WETLAND DETERMINATION

Project No: 07-423  Applicant: Roaring Brook Wind Power  Date: 9/9/2008
Investigator: Enders, Papro  Town: Martinsburg

Do normal circumstances exist on site?  Yes No  Community Type: Shrub-Wetland
Is the site significantly disturbed?  Yes No  Nearest Flag To Data Point: FR2-1
Is the area a potential Problem Area?  Yes No  Data Point ID (i.e. 2001Wfl(18245)) 1W@FR2

SOILS
Series and Phase: not mapped  Drainage Class: WD  MWD  SPD  PD  VPD
Subgroup:  Confirm Mapped Type: Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Florose</th>
<th>Munsell color</th>
<th>Munsell color/abundance</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10+</td>
<td>A</td>
<td>10YR 5/1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: notice beyond 10'

Hydraulic Soil Indicators:
- Hydric: Concretion
- High Organic Content in Surface Layer of Sandy Soils
- Organic Streaking in Sandy Soils
- Clayey or Low Chroma color
- Aquatic Vegetation

Landscape position: convex

HYDROLOGY
Recorded Data (Describe in Remarks)
- No Recorded/Data Available
- Stream, Lakes = Tide Gauge
- Aerial Photographs

Field Observations
- Ground Surface Insulated 1/4 inch
- Soil Saturated
- Depth to Free Water: 0 inches
- Depth to Saturated Soil: 0 inches

Wetland Hydrology Indicators:
- Primary Indicators
  - Shrub
  - Experienced in upper 12 inches
  - Water Marks
  - Drift Lines
  - Sediment Deposits
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required)
- Oblong Root Coverts in upper 12 inches
- Water-Damaged Stumps
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks: Wetland Hydrology Evidence

s:\edr\office\files\forms\Data Form Routine Wetland Determination.xlsx
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (code use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spotted Alces</td>
<td>H S/ T V</td>
<td>FAC+</td>
<td>40%</td>
</tr>
<tr>
<td>Sedge sp.</td>
<td>H S/ T V</td>
<td>FACW/OLR</td>
<td>25%</td>
</tr>
<tr>
<td>Rough-leaved Goldenrod</td>
<td>D S/ T V</td>
<td>JBL</td>
<td>10%</td>
</tr>
<tr>
<td>Hawkweed</td>
<td>G S/ T V</td>
<td>FACW</td>
<td>25%</td>
</tr>
<tr>
<td>Cane sp.</td>
<td>H S/ T V</td>
<td>FACW/OLR</td>
<td>25%</td>
</tr>
<tr>
<td>Nutthous gracemaitic</td>
<td>B S/ T V</td>
<td>FACW</td>
<td>10%</td>
</tr>
<tr>
<td>7</td>
<td>H S/ T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>H S/ T V</td>
<td></td>
<td></td>
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<td>9</td>
<td>H S/ T V</td>
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<td>10</td>
<td>H S/ T V</td>
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<td>11</td>
<td>H S/ T V</td>
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<td>12</td>
<td>H S/ T V</td>
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<td>H S/ T V</td>
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<td>H S/ T V</td>
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<td>15</td>
<td>H S/ T V</td>
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<td></td>
</tr>
<tr>
<td>16</td>
<td>H S/ T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### WETLAND DETERMINATION

- Hydrophytic Vegetation Present? **Yes** or **No**
- Hydric Soil: Present? **Yes** or **No**
- Wetland Hydrology Present? **Yes** or **No**
- Is this Sampling Point Within a Wetland? **Yes** or **No**
- Hydrologic Connectivity to Off-site Wetlands? **Yes** or **No**
- Is this Wetland Potentially Isolated? **Yes** or **No**

### Remarks:
- Wetland spans both sides of road with culvert connection.
DATA FORM
ROUITE WETLAND DETERMINATION

Project No: 07-495
Applicant: Roaring Brook Wind Power
Investigator: Enders, Pippen

Date: 9/9/2006
Town: Martinsburg
County: Lewis
State: NY

Community Type: Forested Upl.
Nearest Flag To Data Point: FR2-1
Data Point ID (i.e., 2Wg(Wetland 0)): IU @ FR2-1

SOILS
Series and Phase: not mapped
Drainage Class: W D M W D S P D F O V P D
Subgroup: Confirm Mapped Type: Yes No
Depth Horizon Mottel color Mottel color/abundance
0-5 A 10YR 3/2 Rock/cobble below.

Hydro Soil Indicators:
- Histosols
- High Org. Content in Surface Layer of Sandy Soils
- Saffire Color
- Claypan or Low Chroma color
- Organic Soaking in Sandy Soils
- Glycol or Low Chorma color
- Listed in Local Hydrology List
- Excl. to Potential for Hydro-Linkages; Only
- Other (Explain in Remarks)
- Aquic Moisture Regime

Landscape position: convex concave flat
- Sloping Approximate slope:

Remarks:

HYDROLOGY

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

Field Observations
- Ground Surface inundated inches
- Soil Saturated

Depth to Free Water inches

Depth to Saturated Soil inches

Wetland Hydrology Indicators:
Primary Indicators
- Inundated
- Saturated in upper 12 inches
- Water Marsh
- Drift Lines
- Submarine Deposits
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required)
- Overland Runoff Channels in upper 12 inches
- Water-Strained Soils
- Local Soil Survey
- Morphological Plant Associations
- Other (Explain in Remarks)

Remarks:

s:sharefile/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

#### Dominant Plant Species:

<table>
<thead>
<tr>
<th>No.</th>
<th>Species</th>
<th>Stratify (cone only)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Rubus</td>
<td>H S S T V</td>
<td>FACU/FACU</td>
<td>26%</td>
</tr>
<tr>
<td>2</td>
<td>Black cherry</td>
<td>H S S T V</td>
<td>FACU</td>
<td>50%</td>
</tr>
<tr>
<td>3</td>
<td>Black currant</td>
<td>H S S T V</td>
<td>FACU</td>
<td>30%</td>
</tr>
<tr>
<td>4</td>
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<td>5</td>
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<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Percent of Dominant Species OBL, FACW: 33%

50/20 Rule Applied? _Yes_ / _No_

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrophytic Vegetation</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydric Soils Present</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Wetland Hydrology Present</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Sampling Point Within a Wetland?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Hydrologic Connectivity to Off-site Wetlands?</td>
<td>Yes or No</td>
</tr>
<tr>
<td>Is this Wetland Potentially Isolated?</td>
<td>Yes or No</td>
</tr>
</tbody>
</table>

Remarks: _Photo Reference Number_

s:\edr office files\forms\Data Form Routine Wetland Delineation.xls
SOILS

Series and Phase: Not mapped

Subgroup: Clayey, Loamy

Hydric Soil Indicators:
- Morphology:
  - Convolutions
  - Flows
  - Organic Soils
  - Sedimentary
  - Vegetative

Hydric Soil Characteristics:
- Listed on Local Hydric Soil List
- Limited in Potential for Hydric Indicators Only
- Other (Explain in Remarks)
- Aquatic Microsites Regime

Hydric Soil Environment:
- Flat

HYDROLOGY

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

Field Observations:
- Ground Surface Inundation:
  - Depth to Flood Plane:
  - Soil Saturated
  - Depth to Water Table:
  - Depth to Saturation:

Wetland Hydrology Indicators:
- Primary Indicators:
  - Inundated
  - Sediment in Upper 12 inches
  - Water Mounds
  - Drift Lines
  - Sedimentary Deposits
  - Drainage Patterns in Wetland

Secondary Indicators (2 or more required):
- Oxidized Root Channels in upper 12 inches
- Water Stained Leaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:
- Sample pt taken at emergent marsh N Side of FR Rd.
VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Stratum (Circle One)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biggertick</td>
<td>H</td>
<td>FACW/OBL</td>
<td>10</td>
</tr>
<tr>
<td>Sarg Rush</td>
<td>H</td>
<td>FACW+</td>
<td>30</td>
</tr>
<tr>
<td>Woot Grass</td>
<td>H</td>
<td>FACW+</td>
<td>40</td>
</tr>
<tr>
<td>Spurka</td>
<td>H</td>
<td>FACW+</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>H</td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FACW+ 100%

50/20 Rule Applied? Yes No

Remarks: Shrubs nondonominant w. sp., Phragmites incl. cattails, red elderberry, silky dogwood

WETLAND DETERMINATION

Hydric Vegetation Present? Yes or No

Hydric Soils Present? Yes or No

Wetland Hydrology Present? Yes or No

Hydrologic Connectivity to Off-Site Wetlands? Yes or No

Is this Sampling Point Within a Wetland? Yes or No

Is this Wetland Essentially Isolated? Yes or No

Remarks: Photos

Photo Reference Number: 1W@FR3

s:wr office files/forms/Data Form Routine Wetland Delineation.xls
DATA FORM
ROUTE WETLAND DETERMINATION
1997 U.S. Fish & Wildlife Service

Project No: 07-425  Applicant: Roaring Brook Wind Power
Investigator: Enders, Pippens

Date: 9/9/2008
Town: Martinsburg
County: Lewis
State: WV

Do normal circumstances exist on site? [ ] Yes [X] No
Community Type:

Is the site significantly disturbed? [X] Yes [ ] No
Nearest Flag To Data Point:

Is the area a potential Problem Area? [ ] Yes [X] No
Data Point ID: (i.e. 29G[Wildland G]) [ ] IU [ ] FR3

SOILS
Series and Phase: [ ] Not Mapped
Drainage Class: WD MWD SPD PD VPD
Subgroup:
ConfirmedMapped Type: [ ] Yes [X] No

Depth
Horizon
Matrix color
Matrix color/abundance
Texture, Structure, Other

Hydric Soil Indicators:
- [ ] Humic
- [ ] High Organic Content in Surface Layer of Sandy Soils
- [ ] Organic Streaking in Sandy Soils
- [ ] Clayed or Low Chroma color
- [ ] Listed as Potential for Hydric Soil

Reducing Conditions:
- [ ] Listed on Local Hydric Soil List
- [ ] Listed as Potential for Hydric Inclusions Only
- [ ] Other (Explain in Remarks)

Landform position:
- [ ] Flat
- [ ] Sloping

Approximate slope:
- [ ] Skeating

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks)
- [ ] No Recorded Data Available
- [ ] Stream, Lake or Tide Gauge
- [ ] Aerial Photographs

Field Observations
- [ ] Ground Surface Inundated: ______ inches
- [ ] Soil Saturated
- [ ] Depth to Free Water: ______ inches
- [ ] Depth to Saturated Soil: ______ inches

Wetland Hydrology Indicators:
Primary Indicators:
- [ ] Inundated
- [ ] Seasonal to upper 12 inches
- [ ] Water Marks
- [ ] Drain Lines
- [ ] Sediment Deposition

Secondary Indicators (2 or more required):
- [ ] Oxidized Root Channels in upper 12 inches
- [ ] Water-Logged Leaves
- [ ] Local Soil Survey
- [ ] Morphological Plant Adaptations
- [ ] Other (Explain in Remarks)

Remarks: [X] No indicators

s/adr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (circle one)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strawberry</td>
<td>S S S T V</td>
<td>FACU</td>
<td>75</td>
</tr>
<tr>
<td>Wild rice</td>
<td>H S S T V</td>
<td>FAC/FACU</td>
<td>25</td>
</tr>
<tr>
<td>Black beech</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Elders</td>
<td>H S S T V</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>Red maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Red maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>Black beech</td>
<td>H S S T V</td>
<td>FAC</td>
<td>-10</td>
</tr>
</tbody>
</table>

#### Percent of Dominant Species
- OBI: FACW, FAC: 86.7%
- Percent of Dominant Species: OBI, FACW: 14.9%

#### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
</table>

#### Remarks:
- 5020 Rule Applied? Yes or No: No
- Photo Reference Number: s:\edr office\files\forms\Data Form Routine Wetland Delineation.xls
Project No: 07-028  
Applicant: Roaring Brook Wind Power

DATA FORM
ROUTINE WETLAND DETEMINATION
1987 COE Wetlands Determination Manual
274 North Goodman Street
Rochester, New York 14607

Environmental Design & Research
217 Montgomery Street, Suite 1000
Syracuse, New York 13202

Investigator: Enders, Pippin

Date: 9/9/2008

Town: Marcellus

County: Lewis

State: NY

Do normal circumstances exist on site? Yes No

Commumity Type: "W"-Habitat

Is the site significantly disturbed? Yes No

Nearest Flag To Data Point: PR

Is the area a potential Problem Area? Yes No

Data Point ID: (i.e. 2W@Wetland G) 1W@F4

SOILS

Series and Phase: 

Drainage Class: WD MWD SPD PD VPD

Subgroup: Confirms Mapped Type: Yes No

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/behavior</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-6</td>
<td>A</td>
<td>10% red</td>
<td>waxy roots</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:

- 

Lime on Local Hydric Soil Test
- Lichen Potential for Hydric Inclusions Only
- Other (Explain in Remarks)

Aquatic Moisture Regime

Hydrology

HYDROLOGY

Field Observations
- Recorded Data (Describe in Remarks)
- No Recorded Data Available
- No Well Depths Available
- No Stream, Lake or Tide Gauge

Aerial Photographs
- at Surface
- Saturated

Depth to Free Water: 0 inches

Depth to Saturated Soil: 0 inches

Wetland Hydrology Indicators:

Primary Indicators
- Water Mains
- Deep Lenses
- Sediment Entrapments
- Drainage Patterns in Wetland

Secondary Indicators (2 or more required)
- Moose Creek Channel in upper 1 foot
- Water-Strained Soils
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:

s:\edr\office files\forms\Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Plant Species</th>
<th>Strat. (code use)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  A. epiglottis</td>
<td>H</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>2  J. canadensis</td>
<td>H</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>3  L. p. verticillata</td>
<td>H</td>
<td>FACW+</td>
<td>20</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW = 100%

50/20 Rule Applied? No


### WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes

Hydric Soils Present? Yes

Is this Sampling Point Within a Wetland? Yes

Is this Wetland Potentially Isolated? No

Photo Reference Number: 7/ler office files/forms/Data Form Routine Wetland Delineation.xls
Project No: 07-028  Applicant: Roaring Brook Wind Power  
Investigator: Enders, Pippens  

DATA FORM  ROUTINE WETLAND DETERMINATION  
1987 COE Wetlands Definition Manual  

Date: 9/4/2005  
Town: Martinsburg  
County: Lew's  
State: NY  

Do normal circumstances exist on site?  
Yes  
Community Type: Stream  
No  

Is the site significantly disturbed?  
Yes  
Neutral Flag To Data Point: FRS-1  
No  

Is the area a potential 'wetlands area'?  
Yes  
Data Point ID (c. 2N8[Wetland G]): 1W0@FRS  

SOILS  

Series and Phase: not mapped  
Drainage Class: WD MWD SPD PD VPD  
Subgroup:  
Confirm Mapped Type: Yes No  

Depth  Horizon  Texture/Structure/Other  
0-10°F  A  sandy clay  

Hydric Soil Indicators:  

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
<th>Limitations</th>
<th>Other (Explain in Remarks)</th>
<th>Aquic Regime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histosol</td>
<td>Concretion</td>
<td>Limited to Local Hydric Soil List</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High Organic Content Layer in Sandy Soils</td>
<td></td>
<td>Limited to Potential for Hydric Indications Only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulfic Ozone</td>
<td>Organics, Baking in Sandy Soils</td>
<td>Other (Explain in Remarks)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reducing Conditions</td>
<td>Glycol &amp; Low Chroma color</td>
<td>Aquic Wetland Regime</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hydrology:  

Recorded Data (Describe in Remarks):  
No Recorded Data Available  
Stream, Lake or 1/4 acre  
Aerial Photographs  

Field Observations:  

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
<th>Limitations</th>
<th>Other (Explain in Remarks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Surface</td>
<td>Trampled</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Soil Condition</td>
<td>Erosion</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Depth to Free Water</td>
<td>3 inches</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Depth to Saturated Soil</td>
<td>0 inches</td>
<td>Limited</td>
<td></td>
</tr>
</tbody>
</table>

Wetland Hydrology Indicators:  

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Description</th>
<th>Limitations</th>
<th>Other (Explain in Remarks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturated</td>
<td>Excess water in upper 12 inches</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Water Marks</td>
<td>Local water mark</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Ripiplines</td>
<td>Water inlet</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Sediment Deposits</td>
<td>Drainage patterns in wetland</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Stream or Creek</td>
<td>Excess water in upper 12 inches</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Water-Saturated</td>
<td>Excess water in upper 12 inches</td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Morphological Plant Adaptations</td>
<td></td>
<td>Limited</td>
<td></td>
</tr>
<tr>
<td>Other (Explain in Remarks)</td>
<td></td>
<td>Limited</td>
<td></td>
</tr>
</tbody>
</table>

Remarks:  

Rocky/loosly beyond A horizon  

Also see stream sheet for FRS  

svedr office files/forms/Data Form Routine Wetland Determination.xls
VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Strata: (Code = see)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Alfalfa</td>
<td>10 S S T V</td>
<td>FACW-</td>
<td>10</td>
</tr>
<tr>
<td>2. Flat-top Astragalus</td>
<td>6 S S T V</td>
<td>FACW+</td>
<td>80</td>
</tr>
<tr>
<td>3. Speckled Alder</td>
<td>10 S S T V</td>
<td>FACW+</td>
<td>20</td>
</tr>
<tr>
<td>4. Speckled Alder</td>
<td>6 S S T V</td>
<td>FACW+</td>
<td>35</td>
</tr>
<tr>
<td>5.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>6 S S T V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Other non dominant, Corylus rubra, Spirea, Rough greenwood.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No
Hydraulic Soils Present? Yes or No
Is this Sampling Point Within a Wetland? Yes or No
Hydrologic Connectivity to Offsite Wetlands? Yes or No
Is this Wetland Potentially Isolated? Yes or No

Remarks: Photo Reference Number.
Stream Inventory

Observer: Daniel Pippin
Weather: Rain

Stream Name: unnamed trib

Stream Location (nearest road, structure, etc.): 10' W of Flat Rock Rd., predominantly north side

Adjacent Community: Stream wetland

Stream Gradient: gentle
- gentle
- moderate
- steep

Bank Width: 10'

Stream Width: 8'

Water Depth: 2-3'

Substrate:
- Bed Rock
- Boulder
- Cobble
- Gravel
- Sand
- Silt
- Clay

Instream Cover:
- Undercut bank
- Overhanging vegetation
- Logs/woody debris
- Deep pools
- Other

Flow:
- Permanent
- Intermittent

Photo # PR5-1

Flag #s PR5-1

Additional Comments: 100% shrub cover Stream defines west side of overall community
- Soils not mapped

Environmental Design & Research
DATA FORM
ROUTINE WETLAND DETERMINATION
1987 OIE Wetlands Determination Manual

Project No: 02025  Applicant: Nearys Brook Wind
Investigator: Enderp, Piper  Date: 9/9/08

Town:  S.Y.  County:  Oswego

State:  NY

Do normal circumstances exist on site? [O] No
Is the site significantly disturbed? [O] Yes
Is the area a potential Problem Area? [O] Yes
Nearest Flag To Data Point: FRS - 1
Data Point ID: (i.e. 298)@Wetland G] 116@FRS

SOILS
Series and Phase:  Drainage Class: Wd Mwd Spd Pd Vpd
Subgroup: Confirm Mapped Type: Yes No

Depth  Horizon  Matrix color  Matrix color/abundance  Tenure, Structure, Other
0-8"  A  moor 2  none
8"-10"  moor - rejects auger

Hydrologic Soil Indicators:
- Hiord  Conditions
- Hiord Epposition  High Org. Content in Surface Layer of Sandy Soils
- Hiord Color  Organic Staining in Sandy Soils
- Reducing Conditions  Glycated or Low Chroma color
- Aquic Moisture Regime

Landscape position: convex  concave  flat  undulating

Remarks:

HYDROLOGY
Recorded Data (Describe in Remarks)
- No Recorded Data Available
- Stearns, Lake or Tide Gauge
- Aerial Photographs

Field Observations
- Ground Surface Inundated_________ inches
- Soil-Saturated
- Depth to Free Water_________ inches
- Depth to Saturated Soils_________ inches

Wetland Hydrology Indicators:
Primary Indicators
- Inundated
- Saturated in upper 12 inches
- Water Stain
- Depth Limits
- Sediment Depots

Secondary Indicators (2 or more required)
- Oxidized Root Channels in upper 12 inches
- Water-Stained Iaves
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks:
no wetland hydrology

s/edr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Stratum (upside down)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H S/S T V</td>
<td>FAC</td>
<td>80%</td>
</tr>
<tr>
<td>H S/S T V</td>
<td>FACw1</td>
<td>40%</td>
</tr>
</tbody>
</table>

#### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland-Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Photo Reference Number: 

s:\edr\office\files\forms\Data Form Routine Wetland Delineation.xls
**DATA FORM**

**ROUTINE WETLAND DETERMINATION**

1987 COR Wetlands Determination Manual

---

**Project No:** Q7-025  **Applicant:** Roaring Brook Wind Power  **Date:** 9/9/2008

**Investigator:** Eadets, Pippens  **Town:** Martinburg

---

**Do normal circumstances exist on site?** Yes No  **Community Type:** Shrub Wetland

**Is the site significantly disturbed?** Yes No  **Nearest Flag To Data Point:** FR6-1

**Is the area a potential Problem Area?** Yes No  **Data Point ID (i.e. 2W@Wetland #):** W @ FR6

---

**SOILS**

**Series and Phase:** NOT MAPPED  **Drainage Class:** WD MWD SPD PD VPD

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix Color</th>
<th>Matrix Color Saturate</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-10</td>
<td>A</td>
<td>10YR8/1</td>
<td>Wood Roots</td>
<td>Silt Loam-m</td>
</tr>
</tbody>
</table>

---

**Hydric Soil Indicators:**

- **Himets**
- **Morphic Expression**
- **Sodic Color**
- **Reducing Conditions**

**Landscape position:**

- Flat
- Undulating
- Sloping

**Remarks:**

---

**HYDROLOGY**

**Recorded Data (Describe in Remarks):**

- No Recorded Data Available
- Stream, Lake or Tidal Gauge
- Aerial Photographs

**Field Observations:**

- Ground Surface Inundated:

**Secondary Indication (2 or more required):**

- Oxidized Root Channels in Upper 12 inches
- Water-Strained Marls
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

**Remarks:**

s:edr office files/forms/Data Form Routine Wetland Determination.xls
**VEGETATION**

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asters</td>
<td>H</td>
<td>FACW</td>
<td>20</td>
</tr>
<tr>
<td>Thorax Current</td>
<td>H</td>
<td>FACW/ORB</td>
<td>10</td>
</tr>
<tr>
<td>Swamp milkweed</td>
<td>H</td>
<td>FACW</td>
<td>30</td>
</tr>
<tr>
<td>Red maple</td>
<td>H</td>
<td>FAC+</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>H</td>
<td>PAC</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>H</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW: 10.0%

50/70 Rate Applied? Yes No

**WETLAND DETERMINATION**

Hydrophytic Vegetation Present? Yes No

Hydric Soils Present? Yes No

Is this Sampling Point Within a Wetland? Yes No

Hydrologic Connectivity to Offsite Wetlands? Yes No

Is this Wetland Potentially Isolated? Yes or No

Remarks: s:\edr\office \files\forms\Data Form Routine Wetland Delineation.xls
<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color/texture</th>
<th>Texture, Structure, Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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<td>H</td>
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<td></td>
</tr>
<tr>
<td>2</td>
<td>A</td>
<td>N</td>
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<td></td>
</tr>
</tbody>
</table>

Hydrologic Indicators:
- **Hydrotype**: Concentric
- **Hydro GFP**: High Org. Content in Surface Layer of Sandy Soils
- **Sediment Color**: Organic Staining in Sandy Soils
- **Reducing Conditions**: Clyed or Low C-Saturation

Landscape Position: convex flat undulating

**Remarks:**
- Layer over rock.

**HYDROLOGY**
- Recorded Data (Describe in Remarks)
- No Recorded Data Available
- Surface, Lake or Tide Gauge

**Field Observations**
- Ground Surface Undrained
- Soil Saturated
- Depth to Free Water
- Depth to Saturation Soil

**Wetland Hydrology Indicators:**
- Primary Indicators
- Secondary Indicators (2 or more required)
  - Oxidized Root Channels in upper 12 inches
  - Water-Stained leaves
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

**Remarks:**
- No indicators
VEGETATION

Dominant Plant Species:  
1. Red maple  
2. Balsam  
3. Cherry  
4. Rubus  
5.  
6.  
7.  
8.  
9.  
10.  
11.  
12.  
13.  
14.  
15.  
16.  

<table>
<thead>
<tr>
<th>Species</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>H S S C V</td>
<td>FAC</td>
<td>10%</td>
</tr>
<tr>
<td>H S S C V</td>
<td>FAC</td>
<td>50%</td>
</tr>
<tr>
<td>H S S C V</td>
<td>FAC</td>
<td>25%</td>
</tr>
<tr>
<td>H S S C V</td>
<td>FAC</td>
<td>10%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW, FAC, 67%  
Percent of Dominant Species OBL, FACW, 0%  
50/20 Rule Applied? Yes No  
Remark: Sparse understory

WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes or No  
Hydric Soils Present? Yes or No  
Is this Sampling Point Within a Wetland? Yes or No  
Hydrolc Connectivity to Off-site Wetlands? Yes or No  
Is this Wetland Potentially Isolated? Yes or No  

Remark:  
Photo Reference Number:  

s/edr office forms Data Form Routine Wetland Delineation.xls
Project No: 07-025  Applicant: Rearing Brook Wind Power  Date: 9/9/2003
Investigator: Enders, Pippens  Town: Martinsburg
County: Lewis  State: NY

Do normal circumstances exist on site?  Yes No  Community Type: Shrub Wetland
Is the site significantly altered?  Yes No  Nearest Flag Tag Data Point: FR7-1
Is the area a potential Problem Area?  Yes No  Data Point ID (i.e. 292169 Wetland ID): 1WE7FR7

SOILS
Series and Phase:  not mapped  Drainage Class: WD MWD SPD PD VPD
Subgroup:  Confirm Mapped Type: Yes No
Depth: Horizon Matrix color Matrix color abundance Texture, Structure, Other
0-3"  A 1Tri211  AltLoam

Hydric Soil Indicators:

- Histosol
- Sodic Soils
- Reducing Conditions
- Listed on Local Hydric Soils List
- Listed on Potential for Hydric Inclusions Only
- Other (Explain in Remarks)
- Aquatic Moisture Regime
- Gleyed or Low Chroma color
- Organic Soaking in Sandy Soils
- Concave
- Undulating
- Convex
- Flat
- Sloping
- Approximate slope:

Remarks: Rock nearby at surface

HYDROLOGY

- Recorded Data (Describe in Remarks):
  - No Recorded Data Available
  - Stream, Lake or Tide Gauge
  - Aerial Photographs
- Field Observations
  - Ground Surface Undisturbed
  - Soil Saturation
  - Depth to Free Water
  - Depth to saturated Soil

Wetland Hydrology Indicators:

- Primary Indicators
  - Saturation in upper 12 inches.
  - Oxidized Root Channels in upper 12 inches.
  - Water Stains
  - Drift Lines
  - Sediment Deposits
  - Drainage Patterns in Wetland
- Secondary Indicators (2 or more required)
  - Water-Strained leaves
  - Local Soil Survey
  - Morphological Plant Adaptations
  - Other (Explain in Remarks)

Remarks:

s:edr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (code key)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baldcypress</td>
<td>H</td>
<td>FACW</td>
<td>10%</td>
</tr>
<tr>
<td>Alder</td>
<td>H</td>
<td>FACW</td>
<td>50%</td>
</tr>
<tr>
<td>NE Aster</td>
<td>H</td>
<td>FACW</td>
<td>20%</td>
</tr>
<tr>
<td>Flat-top aster</td>
<td>H</td>
<td>FACW</td>
<td>30%</td>
</tr>
<tr>
<td>Scirpus fern</td>
<td>H</td>
<td>FACW</td>
<td>10%</td>
</tr>
</tbody>
</table>

Percent of Dominant Species OBL, FACW: 100%

Wetland Delineation:

<table>
<thead>
<tr>
<th>Hydrophyte Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
<th>Is this Wetland Potentially Isolated?</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

Remarks:
Environmental Design & Research
217 Montgomery Street, Suite 1000
Syracuse, New York 13202

DATA FORM
ROUTINE WETLAND DETERMINATION
1990 COE Wetland Definition Manual

Project No: 07-028
Applicant: Roaring Brook Wind Power
Investigator: Enders, Pippin

Date: 9/9/2008
Town: Martinburg
County: Lewis
State: NY

Do normal circumstances exist on site? Yes No
Community Type: For Upland

Is the site significantly disturbed? Yes No
Nearest Flag to Data Point: FR7-3

Is the area a potential Problem Area? Yes No
Data Point ID: L1U FR7-3

SOILS
Series and Phase: Not mapped
Subgroup:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Horizon</th>
<th>Matrix color</th>
<th>Matrix color substrate</th>
<th>Texture, Structure, Other</th>
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</thead>
<tbody>
<tr>
<td>0-1</td>
<td>0</td>
<td>10YR 3/3</td>
<td></td>
<td>Organic Surface</td>
</tr>
<tr>
<td>1-3</td>
<td>A</td>
<td>10YR 3/3</td>
<td></td>
<td>Salt Lens</td>
</tr>
</tbody>
</table>

Hydric Soil Indicators:

- Ephemeral - None
- Hydric Epipedon - None
- Sulfate Oxidizing - None
- Reducing Conditions - None

Landscape position: concave
Bare
undulating
sloping

Approximate slope: 3

HYDROLOGY
Recorded Data (Describe in Remarks)

- No Recorded Data Available
- Stream, Lake or Tidal Gauge
- Aerial Photograph

Field Observations

- Ground Surface Inundated: inches
- Saturated

- Depth to Free Water: inches
- Depth to Seasonal Soils: inches

Wetland Hydrology Indicators:

Primary Indicators

- Inundated
- Saturation in upper 12 inches
- Water Marks
- Drift Lines
- Sediment Deposition

Secondary Indicators (2 or more required)

- Grounded Root Channels in upper 12 inches
- Water-Strained lenses
- Local Soil Survey
- Morphological Plant Adaptations
- Other (Explain in Remarks)

Remarks: None

sadr office files/forms/Data Form Routine Wetland Determination.xls
### VEGETATION

<table>
<thead>
<tr>
<th>Dominant Plant Species</th>
<th>Stratum (Asterisk)</th>
<th>Indicator</th>
<th>% Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Green ash</td>
<td>H S S T V</td>
<td>FAC, FAC</td>
<td>30</td>
</tr>
<tr>
<td>2. Red maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>3</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Bald maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>30</td>
</tr>
<tr>
<td>5. Barberry</td>
<td>H S S T V</td>
<td>FAC</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td>H S S T V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Red maple</td>
<td>H S S T V</td>
<td>FAC</td>
<td>20</td>
</tr>
<tr>
<td>8. Nettles</td>
<td>H S S T V</td>
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<tr>
<td>9</td>
<td>H S S T V</td>
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<td>15</td>
<td>H S S T V</td>
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<tr>
<td>16</td>
<td>H S S T V</td>
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</tbody>
</table>

Percent of Dominant Species OBL, FACW: **100%**

50/20 Rule Applied? Yes No

### WETLAND DETERMINATION

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes or No</th>
<th>Hydric Soils Present?</th>
<th>Yes or No</th>
<th>Wetland Hydrology Present?</th>
<th>Yes or No</th>
<th>Is this Sampling Point Within a Wetland?</th>
<th>Yes or No</th>
<th>Hydrologic Connectivity to Off-site Wetlands?</th>
<th>Yes or No</th>
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</table>

Remarks: Photo Reference Number:

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