WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: __________________________ City/County: __________________________ Sampling Date: __________________________
Applicant/Owner: __________________________ State: __________ Sampling Point: __________________________
Investigator(s): __________________________ Section, Township, Range: __________________________
Landform (hillslope, terrace, etc.): __________________________ Local relief (concave, convex, none): __________________________ Slope (%): __________
Subregion (LRR or MLRA): __________________________ Lat: __________________________ Long: __________________________ Datum: __________________________
Soil Map Unit Name: __________________________ NWI classification: __________________________
Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are “Normal Circumstances” present? Yes _____ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

<table>
<thead>
<tr>
<th>Hydrophytic Vegetation Present?</th>
<th>Yes _____ No _____</th>
<th>Is the Sampled Area within a Wetland?</th>
<th>Yes _____ No _____</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydric Soil Present?</td>
<td>Yes _____ No _____</td>
<td>If yes, optional Wetland Site ID: __________________________</td>
<td></td>
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<tr>
<td>Wetland Hydrology Present?</td>
<td>Yes _____ No _____</td>
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</tbody>
</table>

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)

Secondary Indicators (minimum of two required)

- Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- Marl Deposits (B15)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Shallow Aquitard (D3)
- Geomorphic Position (D2)
- Microtopographic Relief (D4)
- FAC-Neutral Test (D5)
- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Moss Trim Lines (B16)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted or Stressed Plants (D1)

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): __________
Water Table Present? Yes _____ No _____ Depth (inches): __________
Saturation Present? Yes _____ No _____ Depth (inches): __________ (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
**VEGETATION** – Use scientific names of plants.

**Sampling Point:**

<table>
<thead>
<tr>
<th>Tree Stratum (Plot size: ____________ )</th>
<th>Absolute % Cover</th>
<th>Dominant Species?</th>
<th>Indicator Status</th>
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</thead>
<tbody>
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**Dominance Test worksheet:**

- Number of Dominant Species That Are OBL, FACW, or FAC: _________ (A)
- Total Number of Dominant Species Across All Strata: _________ (B)
- Percent of Dominant Species That Are OBL, FACW, or FAC: _________ (A/B)

<table>
<thead>
<tr>
<th>Sapling/Shrub Stratum (Plot size: ____________ )</th>
<th>Absolute % Cover</th>
<th>Dominant Species?</th>
<th>Indicator Status</th>
</tr>
</thead>
<tbody>
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**Prevalence Index worksheet:**

- Total % Cover of: ________ Multiply by:
  - OBL species ________ x 1 = __________
  - FACW species ________ x 2 = __________
  - FAC species ________ x 3 = __________
  - FACU species ________ x 4 = __________
  - UPL species ________ x 5 = __________
- Column Totals: ________ (A) ________ (B)

**Hydrophytic Vegetation Indicators:**

- 1 - Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤3.0
- 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- Problematic Hydrophytic Vegetation¹ (Explain)

**Definitions of Vegetation Strata:**

- **Tree** – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
- **Sapling/shrub** – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
- **Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
- **Woody vines** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
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Remarks: (Include photo numbers here or on a separate sheet.)
<table>
<thead>
<tr>
<th>Depth (inches)</th>
<th>Matrix</th>
<th>Color (moist)</th>
<th>%</th>
<th>Redox Features</th>
<th>Color (moist)</th>
<th>%</th>
<th>Type</th>
<th>Loc</th>
<th>Texture</th>
<th>Remarks</th>
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1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<table>
<thead>
<tr>
<th>Hydric Soil Indicators:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histosol (A1)</td>
</tr>
<tr>
<td>Polyvalue Below Surface (S8) (LRR R, MLRA 149B)</td>
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<tr>
<td>Histic Epipedon (A2)</td>
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<td>Black Histic (A3)</td>
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<tr>
<td>Hydrogen Sulfide (A4)</td>
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<tr>
<td>Stratified Layers (A5)</td>
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<tr>
<td>Depleted Below Dark Surface (A11)</td>
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<tr>
<td>Thick Dark Surface (A12)</td>
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<tr>
<td>Sandy Mucky Mineral (S1)</td>
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<tr>
<td>Sandy Gleyed Matrix (S4)</td>
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<tr>
<td>Sandy Redox (S5)</td>
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<tr>
<td>Stripped Matrix (S6)</td>
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<tr>
<td>Dark Surface (S7) (LRR R, MLRA 149B)</td>
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<thead>
<tr>
<th>Indicators for Problematic Hydric Soils1:</th>
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<tbody>
<tr>
<td>2 cm Muck (A10) (LRR K, L, MLRA 149B)</td>
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<tr>
<td>Coast Prairie Redox (A16) (LRR K, L, R)</td>
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<tr>
<td>5 cm Mucky Peat or Peat (S3) (LRR K, L, R)</td>
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<tr>
<td>Dark Surface (S7) (LRR K, L, M)</td>
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<tr>
<td>Polyvalue Below Surface (S8) (LRR K, L)</td>
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<tr>
<td>Thin Dark Surface (S9) (LRR K, L)</td>
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<tr>
<td>Iron-Manganese Masses (F12) (LRR K, L, R)</td>
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<tr>
<td>Piedmont Floodplain Soils (F19) (MLRA 149B)</td>
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<tr>
<td>Mesic Spodic (TA6) (MLRA 144A, 145, 149B)</td>
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<tr>
<td>Red Parent Material (F21)</td>
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<tr>
<td>Very Shallow Dark Surface (TF12)</td>
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<td>Other (Explain in Remarks)</td>
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</tbody>
</table>

Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

| Type: |
| Depth (inches): |

Hydric Soil Present? Yes [ ] No [ ]

Remarks:
Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0)

This document is one of a series of Regional Supplements to the Corps of Engineers Wetland Delineation Manual, which provides technical guidance and procedures for identifying and delineating wetlands that may be subject to regulatory jurisdiction under Section 404 of the Clean Water Act or Section 10 of the Rivers and Harbors Act. The development of Regional Supplements is part of a nationwide effort to address regional wetland characteristics and improve the accuracy and efficiency of wetland-delineation procedures. This supplement is applicable to the Northcentral and Northeast Region, which consists of all or portions of 15 states: Connecticut, Illinois, Indiana, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, and Wisconsin.