**HYDROLOGY**

<table>
<thead>
<tr>
<th>Wetland Hydrology Indicators</th>
<th>Secondary Indicators (minimum of two required)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Indicators (minimum of one is required: check all that apply)</td>
<td>Surface Soil Cracks (B6)</td>
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<tr>
<td>Surface Water (A1)</td>
<td>Aquatic Fauna (B13)</td>
</tr>
<tr>
<td>High Water Table (A2)</td>
<td>Hydrogen Sulfide Odor (C1)</td>
</tr>
<tr>
<td>Saturation (A3)</td>
<td>Oxidized Rhizospheres on Living Roots (C3)</td>
</tr>
<tr>
<td>Water Marks (B1)</td>
<td>Sediment Deposits (B2)</td>
</tr>
<tr>
<td>Drift Deposits (B3)</td>
<td>Presence of Reduced Iron (C4)</td>
</tr>
<tr>
<td>Algal Mat or Crust (B4)</td>
<td>Recent Iron Reduction in Tilled Soils (C6)</td>
</tr>
<tr>
<td>Iron Deposits (B5)</td>
<td>Thin Muck Surface (C7)</td>
</tr>
<tr>
<td>Inundation Visible on Aerial Imagery (B7)</td>
<td>Other (Explain in Remarks)</td>
</tr>
<tr>
<td>Water-Stained Leaves (B9)</td>
<td></td>
</tr>
</tbody>
</table>

**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 (Five Strata) – Use scientific names of plants.  

<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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50% of total cover:                  20% of total cover:                  

<table>
<thead>
<tr>
<th>Sapling Stratum (Plot size: _________)</th>
<th>Absolute % Cover</th>
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50% of total cover:                  20% of total cover:                  

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<tr>
<th>Shrub Stratum (Plot size: _________)</th>
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<th>Indicator Status</th>
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50% of total cover:                  20% of total cover:                  

<table>
<thead>
<tr>
<th>Herb Stratum (Plot size: _________)</th>
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50% of total cover:                  20% of total cover:                  

<table>
<thead>
<tr>
<th>Woody Vine Stratum (Plot size: _________)</th>
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50% of total cover:                  20% of total cover:                  

**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)

**Prevalence Index worksheet:**

<table>
<thead>
<tr>
<th>Total % Cover of:</th>
<th>Multiply by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OBL species</td>
<td>x 1 = ______</td>
</tr>
<tr>
<td>FACW species</td>
<td>x 2 = ______</td>
</tr>
<tr>
<td>FAC species</td>
<td>x 3 = ______</td>
</tr>
<tr>
<td>FACU species</td>
<td>x 4 = ______</td>
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<tr>
<td>UPL species</td>
<td>x 5 = ______</td>
</tr>
<tr>
<td>Column Totals</td>
<td>(A)</td>
</tr>
<tr>
<td>Prevalence Index</td>
<td>B/A = ______</td>
</tr>
</tbody>
</table>

**Hydrophytic Vegetation Indicators:**

1 - Rapid Test for Hydrophytic Vegetation
2 - Dominance Test is >50%
3 - Prevalence Index is ≤3.0
Problematic Hydrophytic Vegetation (Explain)

1Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Five Vegetation Strata:**

- **Tree** – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
- **Sapling** – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
- **Shrub** – Woody Plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
- **Herb** – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
- **Woody Vine** – All woody vines, regardless of height.

**Remarks:** (If observed, list morphological adaptations below.)

**Hydrophytic Vegetation Present?**

Yes ____  No ____ X ____
**VEGETATION (Four Strata)** – 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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50% of total cover: __________  20% of total cover: __________

<table>
<thead>
<tr>
<th>Sapling/Shrub Stratum (Plot size: __________)</th>
<th>Absolute % Cover</th>
<th>Dominant Species?</th>
<th>Indicator Status</th>
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50% of total cover: __________  20% of total cover: __________

<table>
<thead>
<tr>
<th>Herb Stratum (Plot size: __________)</th>
<th>Absolute % Cover</th>
<th>Dominant Species?</th>
<th>Indicator Status</th>
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</table>

50% of total cover: __________  20% of total cover: __________

<table>
<thead>
<tr>
<th>Woody Vine Stratum (Plot size: __________)</th>
<th>Absolute % Cover</th>
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<th>Indicator Status</th>
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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)

**Prevalence Index worksheet:**

<table>
<thead>
<tr>
<th>Total % Cover of:</th>
<th>Multiply by:</th>
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<tbody>
<tr>
<td>OBL species</td>
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<td>x 4 = ________</td>
</tr>
<tr>
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<td>x 5 = ________</td>
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</tbody>
</table>

Column Totals: (A) (B)

Prevalence Index = B/A =

**Hydrophytic Vegetation Indicators:**

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0¹

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Four Vegetation Strata:**

**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 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 Vine** – All woody vines greater than 3.28 ft in height.

**Remarks:** (If observed, list morphological adaptations below.)

**Hydrophytic Vegetation Present?** Yes ____ No ____ X ____

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ENG FORM 6116-2-SG, JUL 2018

Atlantic and Gulf Coastal Plain – Version 2.0
**Hydric Soil Indicators:** (Applicable to all LRRs, unless otherwise noted.)

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Location/Depth</th>
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<tbody>
<tr>
<td>Histosol (A1)</td>
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<td>Histic Epipedon (A2)</td>
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<tr>
<td>Black Histic (A3)</td>
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<tr>
<td>Hydrogen Sulfide (A4)</td>
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<td>Stratified Layers (A5)</td>
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<tr>
<td>Organic Bodies (A6)</td>
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<tr>
<td>5 cm Mucky Mineral (A7)</td>
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<td>Muck Presence (A8)</td>
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<tr>
<td>1 cm Muck (A9)</td>
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<td>Depleted Below Dark Surface (A11)</td>
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<tr>
<td>Thick Dark Surface (A12)</td>
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<tr>
<td>Coast Prairie Redox (A16) (MLRA 150A)</td>
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<tr>
<td>Sandy Mucky Mineral (S1) (LRR O, S)</td>
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<td>Sandy Gleyed Matrix (S4)</td>
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<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 P, S, T, U)</td>
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<tr>
<td>Polyvalue Below Surface (S8) (LRR S, T, U)</td>
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</table>

**Restrictive Layer (if observed):**

<table>
<thead>
<tr>
<th>Type:</th>
<th>Depth (inches):</th>
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</thead>
<tbody>
<tr>
<td>Hydric Soil Present?</td>
<td>Yes ____ No X</td>
</tr>
</tbody>
</table>

**Remarks:**

Hydric Soil Present? Yes ____ No X

Indicators for Problematic Hydric Soils:

- 1 cm Muck (A9) (LRR O)
- 2 cm Muck (A10) (LRR S)
- Coast Prairie Redox (A16)
- Reduced Vertic (F18)
- Adenoloma Soils (F20)

Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
<table>
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<tr>
<th>Sampling Point:</th>
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**VEGETATION Continued (Five Strata)**  

- **Tree Stratum**  
  
<table>
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<tr>
<th>50% of total cover:</th>
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**Dominant Species?**  

**Indicator Status**  

**Definitions of Five Vegetation Strata:**  

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- **Woody Vine** – All woody vines, regardless of height.  

**Remarks:** (If observed, list morphological adaptations below.)
### Definitions of Four Vegetation Strata:

**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 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 Vine** – All woody vines greater than 3.28 ft in height.

### VEGETATION Continued (Four Strata) – Use scientific names of plants.

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### Remarks:

(If observed, list morphological adaptations below.)