

# Wetland Function-Value Evaluation Form

Total area of wetland \_\_\_\_\_ Human made? \_\_\_\_\_ Is wetland part of a wildlife corridor? \_\_\_\_\_ or a "habitat island"? \_\_\_\_\_

Adjacent land use \_\_\_\_\_ Distance to nearest roadway or other development \_\_\_\_\_

Dominant wetland systems present \_\_\_\_\_ Contiguous undeveloped buffer zone present \_\_\_\_\_

Is the wetland a separate hydraulic system? \_\_\_\_\_ If not, where does the wetland lie in the drainage basin? \_\_\_\_\_

How many tributaries contribute to the wetland? \_\_\_\_\_ Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. \_\_\_\_\_













Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Prepared by: \_\_\_\_\_ Date \_\_\_\_\_

Wetland Impact:  
**See General Permit Table**

Evaluation based on:  
Office \_\_\_\_\_ Field \_\_\_\_\_

Corps manual wetland delineation completed? Y \_\_\_\_\_ N \_\_\_\_\_

Function/Value	Suitability		Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
	Y	N			
 Groundwater Recharge/Discharge					
 Floodflow Alteration					
 Fish and Shellfish Habitat					
 Sediment/Toxicant Retention					
 Nutrient Removal					
 Production Export					
 Sediment/Shoreline Stabilization					
 Wildlife Habitat					
 Recreation					
 Educational/Scientific Value					
 Uniqueness/Heritage					
 Visual Quality/Aesthetics					
<b>ES</b> Endangered Species Habitat					
Other					

Notes:

\* Refer to backup list of numbered considerations.

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

Sampling Point: W-H1 PEM

<u>Tree Stratum</u> (Plot size: _____ )	Absolute % Cover	Dominant Species?	Indicator Status	<b>Dominance Test worksheet:</b>
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>9</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>9*</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b> 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)  Prevalence Index = B/A = _____
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: <u>0</u>		20% of total cover: <u>0</u>		
<u>0</u>				
<b>Sapling/Shrub Stratum</b> (Plot size: _____ )				
1. <u>Cornus alba</u>	<u>5</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 <sup>1</sup> <input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: <u>2.5</u>		20% of total cover: <u>1</u>		
<u>1</u>				
<b>Herb Stratum</b> (Plot size: _____ )				
1. <u>Microstegium vimineum</u>	<u>15</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	<b>Definitions of Four Vegetation Strata:</b>  <b>Tree</b> – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  <b>Sapling/Shrub</b> – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  <b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  <b>Woody vine</b> – All woody vines greater than 3.28 ft in height.   <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____
2. <u>Agrimonia parviflora</u>	<u>12</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
3. <u>Mentha spicata</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
4. <u>Carex tribuloides</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
5. <u>Juncus effusus</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
6. <u>Persicaria sagittata</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>OBL</u>	
7. <u>Epilobium coloratum</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
8. <u>Thyrsanthella difformis</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
9. <u>Rubus sp.</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>ND</u>	
10. <u>Boehmeria cylindrica</u>	<u>7</u>	_____	<u>FACW</u>	
11. <u>Dipsacus fullonum</u>	<u>5</u>	_____	<u>FACU</u>	
_____ = Total Cover				
50% of total cover: <u>54.5</u>		20% of total cover: <u>21.8</u>		
<u>21.8</u>				
<b>Woody Vine Stratum</b> (Plot size: _____ )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: <u>0</u>		20% of total cover: <u>0</u>		
<u>0</u>				
Remarks: (Include photo numbers here or on a separate sheet.)				
ND- Not Determined				
*Vegetation not ID'd down to the species level is not included in the dominance test.				
Additional Herb Stratum: Not included in dominance test				
12. <u>Dichanthelium clandestinum</u>	<u>5</u>	_____	<u>FAC</u>	
13. <u>Ludwigia alternifolia</u>	<u>2</u>	_____	<u>FACW</u>	

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

Sampling Point: W-H1 PFO

	Absolute % Cover	Dominant Species?	Indicator Status		
<b>Tree Stratum</b> (Plot size: _____ )				<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)  Total Number of Dominant Species Across All Strata: <u>4</u> (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: <u>75%</u> (A/B)	
1. <u>Acer rubrum</u>	<u>60</u>	<input checked="" type="checkbox"/>	FAC		
2. <u>Fraxinus pennsylvanica</u>	<u>30</u>	<input checked="" type="checkbox"/>	FACW		
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
$\frac{90}{90} = \text{Total Cover}$ 50% of total cover: <u>45</u> 20% of total cover: <u>18</u>					
<b>Sapling/Shrub Stratum</b> (Plot size: _____ )					<b>Prevalence Index worksheet:</b> 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)  Prevalence Index = B/A = _____
1. <u>Acer rubrum</u>	<u>5</u>	<input checked="" type="checkbox"/>	FAC		
2. _____					
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
$\frac{5}{5} = \text{Total Cover}$ 50% of total cover: <u>2.5</u> 20% of total cover: <u>1</u>					
<b>Herb Stratum</b> (Plot size: _____ )				<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is $\leq 3.0^1$ <input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
1. <u>Allium cernuum</u>	<u>2</u>	<input checked="" type="checkbox"/>	FACU		
2. _____					
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
11. _____					
$\frac{2}{2} = \text{Total Cover}$ 50% of total cover: <u>1</u> 20% of total cover: <u>0.4</u>					
<b>Woody Vine Stratum</b> (Plot size: _____ )				<b>Definitions of Four Vegetation Strata:</b>  <b>Tree</b> – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  <b>Sapling/Shrub</b> – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  <b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  <b>Woody vine</b> – All woody vines greater than 3.28 ft in height.   <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____	
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
$\frac{0}{0} = \text{Total Cover}$ 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>					
Remarks: (Include photo numbers here or on a separate sheet.)					