

# 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-L56 PFO

	Absolute % Cover	Dominant Species?	Indicator Status		
<b>Tree Stratum</b> (Plot size: <u>30'</u> )					
1. <u>Fraxinus pennsylvanica</u>	<u>25</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A)  Total Number of Dominant Species Across All Strata: <u>7</u> (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: <u>86%</u> (A/B)	
2. <u>Acer saccharinum</u>	<u>25</u>	<input checked="" type="checkbox"/>	<u>FACW</u>		
3. <u>Acer negundo</u>	<u>15</u>		<u>FAC</u>		
4. <u>Crataegus sp.</u>	<u>15</u>		<u>ND</u>		
5. _____					
6. _____					
7. _____					
<u>80</u> = Total Cover 50% of total cover: <u>40</u> 20% of total cover: <u>16</u>				<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 = _____	
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> )					
1. <u>Ligustrum vulgare</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACU</u>		
2. <u>Acer saccharinum</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACW</u>		
3. <u>Cornus amomum</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACW</u>		
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
<u>30</u> = Total Cover 50% of total cover: <u>15</u> 20% of total cover: <u>6</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)	
<b>Herb Stratum</b> (Plot size: <u>5'</u> )					
1. <u>Lysimachia nummularia</u>	<u>25</u>	<input checked="" type="checkbox"/>	<u>FACW</u>		
2. <u>Onoclea sensibilis</u>	<u>25</u>	<input checked="" type="checkbox"/>	<u>FACW</u>		
3. <u>Urtica dioica</u>	<u>15</u>		<u>FACU</u>		
4. <u>Impatiens capensis</u>	<u>15</u>		<u>FACW</u>		
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
11. _____					
<u>80</u> = Total Cover 50% of total cover: <u>40</u> 20% of total cover: <u>16</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>Woody Vine Stratum</b> (Plot size: <u>15'</u> )					
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
<u>0</u> = Total Cover 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>					<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____
Remarks: (Include photo numbers here or on a separate sheet.)					

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

Sampling Point: W-L56 PEM

Tree Stratum (Plot size: <u>30'</u> )	Absolute % C over	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total C over 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>				
Sapling/Shrub Stratum (Plot size: <u>15'</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
_____ = Total C over 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>				
Herb Stratum (Plot size: <u>5'</u> )				
1. <u>Phalaris arundinacea</u>	<u>80</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
2. <u>Euthamia graminifolia</u>	<u>20</u>	_____	<u>FAC</u>	
3. <u>Carex conjuncta</u>	<u>5</u>	_____	<u>FACW</u>	
4. <u>Carex frankii</u>	<u>5</u>	_____	<u>OBL</u>	
5. <u>Juncus effusus</u>	<u>5</u>	_____	<u>FACW</u>	
6. <u>Leersia virginica</u>	<u>5</u>	_____	<u>FACW</u>	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
_____ = Total C over 50% of total cover: <u>60</u> 20% of total cover: <u>24</u>				
Woody Vine Stratum (Plot size: <u>15'</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total C over 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>				
Dominance Test worksheet: Number of Dominant Species That Are OBL, FAC W, or FAC : <u>1</u> (A)  Total Number of Dominant Species Across All Strata: <u>1</u> (B)  Percent of Dominant Species That Are OBL, FAC W, or FAC : <u>100%</u> (A/B)				
Prevalence Index worksheet: Total % C over of: _____ Multiply by: OBL species _____ x 1 = _____ FAC W species _____ x 2 = _____ FAC species _____ x 3 = _____ FAC U species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B)  Prevalence Index = B/A = _____				
Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 <sup>1</sup> _____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)				
<sup>1</sup> Indicators 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 (DB H), regardless of height.  Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DB H 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 vine – All woody vines greater than 3.28 ft in height.				
Hydrophytic Vegetation Present?    Yes <input checked="" type="checkbox"/> No _____				
Remarks: (Include photo numbers here or on a separate sheet.)    				

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

Sampling Point: W-L56 PSS

	Absolute % Cover	Dominant Species?	Indicator Status		
<b>Tree Stratum</b> (Plot size: <u>30'</u> )				<b>Dominance Test worksheet:</b>	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>5</u> (B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>80%</u> (A/B)	
4. _____	_____	_____	_____	<b>Prevalence Index worksheet:</b>	
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
$\frac{0}{0} = \text{Total Cover}$ 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>					
<b>Sapling/Shrub Stratum</b> (Plot size: <u>15'</u> )					
1. <u>Cornus amomum</u>	<u>20</u>	<input checked="" type="checkbox"/>	<u>FACW</u>		Total % Cover of: _____ Multiply by: _____
2. <u>Sambucus nigra</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	OBL species _____ x 1 = _____	
3. <u>Ligustrum vulgare</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACU</u>	FACW species _____ x 2 = _____	
4. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	FAC species _____ x 3 = _____	
5. _____	_____	_____	_____	FACU species _____ x 4 = _____	
6. _____	_____	_____	_____	UPL species _____ x 5 = _____	
7. _____	_____	_____	_____	Column Totals: _____ (A)    _____ (B)	
8. _____	_____	_____	_____	Prevalence Index = B/A = _____	
9. _____	_____	_____	_____	<b>Hydrophytic Vegetation Indicators:</b>	
$\frac{50}{25} = \text{Total Cover}$ 50% of total cover: <u>25</u> 20% of total cover: <u>10</u>					
<b>Herb Stratum</b> (Plot size: <u>5'</u> )					
1. <u>Lysimachia nummularia</u>	<u>40</u>	<input checked="" type="checkbox"/>	<u>FACW</u>		<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation
2. _____	_____	_____	_____		<input checked="" type="checkbox"/> 2 - Dominance Test is >50%
3. _____	_____	_____	_____	<input type="checkbox"/> 3 - Prevalence Index is $\leq 3.0^1$	
4. _____	_____	_____	_____	<input type="checkbox"/> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
5. _____	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
6. _____	_____	_____	_____	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
7. _____	_____	_____	_____	<b>Definitions of Four Vegetation Strata:</b>	
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
$\frac{40}{20} = \text{Total Cover}$ 50% of total cover: <u>20</u> 20% of total cover: <u>8</u>					
<b>Woody Vine Stratum</b> (Plot size: <u>15'</u> )					
1. _____	_____	_____	_____	<b>Tree</b> – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.	
2. _____	_____	_____	_____		
3. _____	_____	_____	_____		
4. _____	_____	_____	_____		
5. _____	_____	_____	_____		
$\frac{0}{0} = \text{Total Cover}$ 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>					
<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No _____					
Remarks: (Include photo numbers here or on a separate sheet.)					