

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					
ES Endangered Species Habitat					
Other					

Notes:

* Refer to backup list of numbered considerations.

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

Sampling Point: W-C43

	Absolute % Cover	Dominant Species?	Indicator Status		
Tree Stratum (Plot size: <u>30'</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)	
1.					
2.					
3.					
4.					
5.					
6.					
7.					
$\frac{0}{0} = \text{Total Cover}$ 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>					
Sapling/Shrub Stratum (Plot size: <u>15'</u>)					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) Prevalence Index = B/A = _____
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
$\frac{0}{0} = \text{Total Cover}$ 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>					
Herb Stratum (Plot size: <u>5'</u>)				Hydrophytic Vegetation Indicators: <input checked="" 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 ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
1.	<u>Typha latifolia</u>	<u>50</u>	<input checked="" type="checkbox"/>		<u>OBL</u>
2.	<u>Phalaris arundinacea</u>	<u>20</u>	<input checked="" type="checkbox"/>		<u>FACW</u>
3.	<u>Juncus effusus</u>	<u>15</u>			<u>FACW</u>
4.	<u>Scirpus atrovirens</u>	<u>10</u>			<u>OBL</u>
5.	<u>Dipsacus fullonum</u>	<u>10</u>			<u>FACU</u>
6.					
7.					
8.					
9.					
$\frac{105}{52.5} = \text{Total Cover}$ 50% of total cover: <u>52.5</u> 20% of total cover: <u>21</u>					
Woody Vine Stratum (Plot size: <u>15'</u>)				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 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 _____	
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.)					

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

Sampling Point: W-C43 PFO (1)

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum (Plot size: <u>30'</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>8</u> (A) Total Number of Dominant Species Across All Strata: <u>8*</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
1. <u>Acer rubrum</u>	<u>25</u>	<input checked="" type="checkbox"/>	FAC	
2. <u>Ulmus rubra</u>	<u>20</u>	<input checked="" type="checkbox"/>	FAC	
3. <u>Fraxinus pennsylvanica</u>	<u>15</u>	<input checked="" type="checkbox"/>	FACW	
4. <u>Carya laciniosa</u>	<u>15</u>		FAC	
5. <u>Liriodendron tulipifera</u>	<u>15</u>		FACU	
6. <u>Carpinus caroliniana</u>	<u>10</u>		FAC	
7. <u>Quercus macrocarpa</u>	<u>5</u>		FAC	
$\frac{105}{100} = \text{Total Cover}$ 50% of total cover: <u>52.5</u> 20% of total cover: <u>21</u>				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) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: <u>15'</u>)				
1. <u>Acer rubrum</u>	<u>20</u>	<input checked="" type="checkbox"/>	FAC	
2. <u>Ulmus rubra</u>	<u>20</u>	<input checked="" type="checkbox"/>	FAC	
3. <u>Carpinus caroliniana</u>	<u>15</u>	<input checked="" type="checkbox"/>	FAC	
4. <u>Lindera benzoin</u>	<u>10</u>		FAC	
5. _____				
6. _____				
7. _____				
8. _____				
$\frac{65}{100} = \text{Total Cover}$ 50% of total cover: <u>32.5</u> 20% of total cover: <u>13</u>				
Herb Stratum (Plot size: <u>5'</u>)				Hydrophytic Vegetation Indicators: <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 ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Microstegium vimineum</u>	<u>5</u>	<input checked="" type="checkbox"/>	FAC	
2. <u>Symplocarpus foetidus</u>	<u>5</u>	<input checked="" type="checkbox"/>	OBL	
3. <u>Rubus sp.</u>	<u>5</u>	<input checked="" type="checkbox"/>	ND	
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
$\frac{15}{100} = \text{Total Cover}$ 50% of total cover: <u>7.5</u> 20% of total cover: <u>3</u>				
Woody Vine Stratum (Plot size: <u>15'</u>)				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 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.
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
$\frac{0}{100} = \text{Total Cover}$ 50% of total cover: <u>0</u> 20% of total cover: <u>0</u>				
Remarks: (Include photo numbers here or on a separate sheet.) ND - Not Determined. * Vegetation not ID'd to species level not included in dominance test.				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____

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

Sampling Point: W-C43 PFO (2)

	Absolute % Cover	Dominant Species?	Indicator Status		
Tree Stratum (Plot size: <u>30'</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)	
1. <u>Acer rubrum</u>	<u>30</u>	<input checked="" type="checkbox"/>	<u>FAC</u>		
2. <u>Ulmus rubra</u>	<u>25</u>	<input checked="" type="checkbox"/>	<u>FAC</u>		
3. <u>Carpinus caroliniana</u>	<u>10</u>		<u>FAC</u>		
4. <u>Fraxinus pennsylvanica</u>	<u>10</u>		<u>FACW</u>		
5. <u>Liriodendron tulipifera</u>	<u>10</u>		<u>FACU</u>		
6. <u>Fagus grandifolia</u>	<u>10</u>		<u>FACU</u>		
7. _____					
_____	<u>95</u> = Total Cover				
50% of total cover: <u>47.5</u>	20% of total cover: <u>19</u>				
Sapling/Shrub Stratum (Plot size: <u>15'</u>)				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) Prevalence Index = B/A = _____	
1. <u>Acer rubrum</u>	<u>20</u>	<input checked="" type="checkbox"/>	<u>FAC</u>		
2. <u>Carpinus caroliniana</u>	<u>15</u>	<input checked="" type="checkbox"/>	<u>FAC</u>		
3. <u>Lindera benzoin</u>	<u>10</u>	<input checked="" type="checkbox"/>	<u>FAC</u>		
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
_____	<u>45</u> = Total Cover				
50% of total cover: <u>22.5</u>	20% of total cover: <u>9</u>				
Herb Stratum (Plot size: <u>5'</u>)				Hydrophytic Vegetation Indicators: <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 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
1. <u>Symplocarpus foetidus</u>	<u>80</u>	<input checked="" type="checkbox"/>	<u>OBL</u>		
2. <u>Allium cernuum</u>	<u>5</u>		<u>FACU</u>		
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
11. _____					
_____	<u>85</u> = Total Cover				
50% of total cover: <u>42.5</u>	20% of total cover: <u>17</u>				
Woody Vine Stratum (Plot size: <u>15'</u>)				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 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 _____	
1. _____					
2. _____					
3. _____					
4. _____					
5. _____					
_____	<u>0</u> = 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.)					