

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-L54 PEM

| | Absolute % C over | Dominant Species? | Indicator Status | |
|---|----------------------|-------------------------------------|---------------------|---|
| Tree Stratum (Plot size: <u>30'</u>) | | | | |
| 1. _____ | _____ | _____ | _____ | Dominance Test worksheet: Number of Dominant Species That Are OBL, FAC W, 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, FAC W, or FAC : <u>100%</u> (A/B) |
| 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. _____ | _____ | _____ | _____ | 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 = _____ C olumn Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| 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>10</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | 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 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2. <u>Impatiens capensis</u> | <u>10</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | |
| 3. <u>Verbena hastata</u> | <u>5</u> | _____ | <u>FACW</u> | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| 6. _____ | _____ | _____ | _____ | |
| 7. _____ | _____ | _____ | _____ | |
| 8. _____ | _____ | _____ | _____ | |
| 9. _____ | _____ | _____ | _____ | |
| 10. _____ | _____ | _____ | _____ | |
| 11. _____ | _____ | _____ | _____ | |
| _____ = Total C over | | | | |
| 50% of total cover: <u>12.5</u> | | 20% of total cover: <u>5</u> | | |
| Woody Vine Stratum (Plot size: <u>15'</u>) | | | | |
| 1. _____ | _____ | _____ | _____ | 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. |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| 6. _____ | _____ | _____ | _____ | |
| _____ = Total C over | | | | |
| 50% of total cover: <u>0</u> | | 20% of total cover: <u>0</u> | | |
| | | | | 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-L54 PFO

| | Absolute % Cover | Dominant Species? | Indicator Status | | |
|--|------------------|-------------------------------------|------------------|--|---|
| Tree Stratum (Plot size: <u>30'</u>) | | | | | |
| 1. <u>Fraxinus pennsylvanica</u> | <u>20</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>9</u> (A) Total Number of Dominant Species Across All Strata: <u>10</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>90%</u> (A/B) | |
| 2. <u>Platanus occidentalis</u> | <u>20</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | | |
| 3. <u>Ulmus rubra</u> | <u>15</u> | <input checked="" type="checkbox"/> | <u>FAC</u> | | |
| 4. <u>Crataegus sp.</u> | <u>10</u> | | <u>ND</u> | | |
| 5. <u>Robinia pseudoacacia</u> | <u>10</u> | | <u>FACU</u> | | |
| 6. _____ | | | | | |
| 7. _____ | | | | | |
| <u>75</u> = Total Cover 50% of total cover: <u>37.5</u> 20% of total cover: <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 = _____ | |
| Sapling/Shrub Stratum (Plot size: <u>15'</u>) | | | | | |
| 1. <u>Cornus amomum</u> | <u>10</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | | |
| 2. <u>Cornus racemosa</u> | <u>10</u> | <input checked="" type="checkbox"/> | <u>FAC</u> | | |
| 3. <u>Rosa multiflora</u> | <u>10</u> | <input checked="" type="checkbox"/> | <u>FACU</u> | | |
| 4. <u>Fraxinus pennsylvanica</u> | <u>10</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | | |
| 5. _____ | | | | | |
| 6. _____ | | | | | |
| 7. _____ | | | | | |
| 8. _____ | | | | | |
| 9. _____ | | | | | |
| <u>40</u> = Total Cover 50% of total cover: <u>20</u> 20% of total cover: <u>8</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) | |
| Herb Stratum (Plot size: <u>5'</u>) | | | | | |
| 1. <u>Phalaris arundinacea</u> | <u>15</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | | |
| 2. <u>Impatiens capensis</u> | <u>15</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | | |
| 3. <u>Dichanthelium clandestinum</u> | <u>15</u> | <input checked="" type="checkbox"/> | <u>FAC</u> | | |
| 4. <u>Eupatorium perfoliatum</u> | <u>10</u> | | <u>FACW</u> | | |
| 5. _____ | | | | | |
| 6. _____ | | | | | |
| 7. _____ | | | | | |
| 8. _____ | | | | | |
| 9. _____ | | | | | |
| 10. _____ | | | | | |
| 11. _____ | | | | | |
| <u>55</u> = Total Cover 50% of total cover: <u>27.5</u> 20% of total cover: <u>11</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. | |
| Woody Vine Stratum (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> | | | | | 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-L54 PSS

| | Absolute % Cover | Dominant Species? | Indicator Status | | |
|--|------------------|-------------------------------------|------------------|--|--|
| Tree Stratum (Plot size: <u>0</u>) | | | | | |
| 1. _____ | _____ | _____ | _____ | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, 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, FACW, or FAC: <u>100%</u> (A/B) | |
| 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> | | | | 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>30'</u>) | | | | | |
| 1. <u>Cornus amomum</u> | <u>35%</u> | <input checked="" type="checkbox"/> | <u>FACW</u> | | |
| 2. <u>Rosa palustris</u> | <u>5%</u> | | <u>OBL</u> | | |
| 3. _____ | _____ | _____ | _____ | | |
| 4. _____ | _____ | _____ | _____ | | |
| 5. _____ | _____ | _____ | _____ | | |
| 6. _____ | _____ | _____ | _____ | | |
| 7. _____ | _____ | _____ | _____ | | |
| 8. _____ | _____ | _____ | _____ | | |
| 9. _____ | _____ | _____ | _____ | | |
| $\frac{40}{40} = \text{Total Cover}$ 50% of total cover: <u>20</u> 20% of total cover: <u>8</u> | | | | | |
| Herb Stratum (Plot size: <u>10'</u>) | | | | | |
| 1. _____ | _____ | _____ | _____ | | |
| 2. _____ | _____ | _____ | _____ | | |
| 3. _____ | _____ | _____ | _____ | | |
| 4. _____ | _____ | _____ | _____ | | |
| 5. _____ | _____ | _____ | _____ | | |
| 6. _____ | _____ | _____ | _____ | | |
| 7. _____ | _____ | _____ | _____ | | |
| 8. _____ | _____ | _____ | _____ | | |
| 9. _____ | _____ | _____ | _____ | | |
| 10. _____ | _____ | _____ | _____ | | |
| 11. _____ | _____ | _____ | _____ | | |
| $\frac{0}{0} = \text{Total Cover}$ 50% of total cover: <u>0</u> 20% of total cover: <u>0</u> | | | | | |
| Woody Vine Stratum (Plot size: <u>0</u>) | | | | | |
| 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> | | | | | |
| 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. | | | | | |
| 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 <input type="checkbox"/> | | | | | |
| Remarks: (Include photo numbers here or on a separate sheet.) | | | | | |