

WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

Project/Site: SPP City/County: Clearwater Sampling Date: 2015-07-10
 Applicant/Owner: Enbridge State: Minnesota Sampling Point: CLC5004v1U
 Investigator(s): LEB/BJC Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ rise _____ Local Relief (concave, convex, none): VV Slope (%): 0-2
 Subregion (LRR or MLRA): _____ Latitude: 47.6679250784... Longitude: -95.40585271... Datum: Minnesota State ...
 Soil Map Unit Name: 718C, Naytahwaush loam, 8 to 15 percent slopes NWI Classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in Remarks): _____ Yes
 Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes
 Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks)

SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

| | | | |
|---|-----------|--|-----------|
| Hydrophytic Vegetation Present? | <u>No</u> | Is the Sampled Area within a Wetland? | <u>No</u> |
| Hydric Soil Present? | <u>No</u> | | |
| Wetland Hydrology Present? | <u>No</u> | | |
| Remarks: (Explain alternative procedures here or in a separate report.) The upland sample point is located upslope from the wetland in a powerline corridor near a road. | | | |

HYDROLOGY

| Wetland Hydrology Indicators: | Secondary Indicators (minimum of two required) |
|---|--|
| Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted/Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5) |

| | |
|---|---|
| Field Observations: Surface Water Present? <u>No</u> Depth (inches) _____ Water Table Present? <u>No</u> Depth (inches) _____ Saturation Present? <u>No</u> Depth (inches) _____ (includes capillary fringe) | Wetland Hydrology Present? <u>No</u> |
|---|---|

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 No indicators of wetland hydrology were observed.

VEGETATION - Use scientific names of plants.

Sampling Point: CLC5004v1U

| | Absolute % Cover | Dominant Species? | Indicator Status | |
|--|------------------|-------------------|------------------|--|
| Tree Stratum (Plot Size: _____) | | | | 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>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: $\frac{33.3333333333...}{100} =$ <u>33.3333333333...</u> (A/B) |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| 6. _____ | _____ | _____ | _____ | |
| 0 = Total Cover | | | | Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species <u>0.00</u> x 1 <u>0</u> FACW species <u>30.00</u> x 2 <u>60</u> FACU species <u>0.00</u> x 3 <u>128</u> UPL species <u>35.00</u> x 4 <u>175</u> Column Totals <u>97</u> (A) <u>363</u> (B) Prevalence Index = B/A = <u>3.7422680...</u> |
| Sapling/Shrub Stratum (Plot Size: <u>15 ft</u>) | | | | |
| 1. <u>Populus balsamifera</u> | <u>5.00</u> | <u>Yes</u> | <u>FACW</u> | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| 5 = Total Cover | | | | |
| Herb Stratum (Plot Size: <u>5 ft</u>) | | | | Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input 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) Problematic Hydrophytic Vegetation ¹ (Explain) <small>¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</small> |
| 1. <u>Bromus inermis</u> | <u>30.00</u> | <u>Yes</u> | <u>UPL</u> | |
| 2. <u>Pteridium aquilinum</u> | <u>25.00</u> | <u>Yes</u> | <u>FACU</u> | |
| 3. <u>Phalaris arundinacea</u> | <u>15.00</u> | <u>No</u> | <u>FACW</u> | |
| 4. <u>Solidago gigantea</u> | <u>10.00</u> | <u>No</u> | <u>FACW</u> | |
| 5. <u>Poa pratensis</u> | <u>5.00</u> | <u>No</u> | <u>FACU</u> | |
| 6. <u>Asclepias syriaca</u> | <u>5.00</u> | <u>No</u> | <u>UPL</u> | |
| 7. <u>Fragaria virginiana</u> | <u>2.00</u> | <u>No</u> | <u>FACU</u> | |
| 8. _____ | _____ | _____ | _____ | |
| 9. _____ | _____ | _____ | _____ | |
| 10. _____ | _____ | _____ | _____ | |
| 11. _____ | _____ | _____ | _____ | |
| 12. _____ | _____ | _____ | _____ | |
| 92 = Total Cover | | | | |
| Woody Vine Stratum (Plot Size: _____) | | | | Definitions of Vegetation Strata: Tree - Woody plants 3 in. (.76 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants 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 vines - All woody vines greater than 3.28 ft in height. |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 0 = Total Cover | | | | |
| Remarks: (include photo numbers here or on a separate sheet.) | | | | Hydrophytic Vegetation Present? _____ |
| The vegetation is dominated by bracken fern and smooth brome. | | | | |

