

## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP City/County: Carlton Sampling Date: 5/19/2014  
 Applicant/Owner: Enbridge State: \_\_\_\_\_ Sampling Point CR135a2U  
 Investigator(s): DGL/CPF Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Talf Local relief (concave, convex, none): LL  
 Slope (%): 0 - 2% Lat.: 46.608892 Long.: -92.378981 Datum: \_\_\_\_\_  
 Soil Map Unit Name: 367 NWI Classification: \_\_\_\_\_  
 Are climatic/hydrologic conditions of the site typical for this time of the year?  (If no, explain in remarks)  
 Are vegetation , soil , or hydrology  significantly disturbed? Are "normal  
 Are vegetation , soil , or hydrology  naturally problematic? circumstances" present?   
 (If needed, explain any answers in remarks)

### SUMMARY OF FINDINGS

|   |  |
|---|--|
| Hydrophytic vegetation present? <u>    N    </u><br>Hydric soil present? <u>    N    </u><br>Indicators of wetland hydrology present? <u>    N    </u>                  | <b>Is the sampled area within a wetland?</b> <u>    N    </u><br>If yes, optional wetland site ID: _____ |
| Remarks: (Explain alternative procedures here or in a separate report.)<br>The point is located upslope from the wetland point in a recently-tilled agricultural field. |  |

### HYDROLOGY

|  |   |
|--|---|
| <b>Primary Indicators</b> (minimum of one is required; check all that apply)<br><input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9)<br><input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13)<br><input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15)<br><input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1)<br><input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on<br><input type="checkbox"/> Drift Deposits (B3)                        Living Roots (C3)<br><input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Presence of Reduced Iron (C4)<br><input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Recent Iron Reduction in Tilled<br><input type="checkbox"/> Inundation Visible on Aerial              Soils (C6)<br>Imagery (B7) <input type="checkbox"/> Thin Muck Surface (C7)<br><input type="checkbox"/> Sparsely Vegetated Concave <input type="checkbox"/> Other (Explain in Remarks)<br>Surface (B8) | <b>Secondary Indicators</b> (minimum of two required)<br><input type="checkbox"/> Surface Soil Cracks (B6)<br><input type="checkbox"/> Drainage Patterns (B10)<br><input type="checkbox"/> Moss Trim Lines (B16)<br><input type="checkbox"/> Dry-Season Water Table (C2)<br><input type="checkbox"/> Crayfish Burrows (C8)<br><input type="checkbox"/> Saturation Visible on Aerial Imagery<br>(C9)<br><input type="checkbox"/> Stunted or Stressed Plants (D1)<br><input type="checkbox"/> Geomorphic Position (D2)<br><input type="checkbox"/> Shallow Aquitard (D3)<br><input type="checkbox"/> Microtopographic Relief (D4)<br><input type="checkbox"/> FAC-Neutral Test (D5) |
| <b>Field Observations:</b><br>Surface water present? Yes <input type="checkbox"/> Depth (inches): _____<br>Water table present? Yes <input type="checkbox"/> Depth (inches): _____<br>Saturation present? Yes <input type="checkbox"/> Depth (inches): _____<br>(includes capillary fringe)  | <b>Indicators of wetland hydrology present?</b> <u>    N    </u>  |
| Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |   |
| Remarks:<br>No primary or secondary indicators of wetland hydrology were observed.   |   |

**VEGETATION - Use scientific names of plants**

**Sampling Point:** CR135a2U

| Tree Stratum          |                             |  |  |  | Plot Size ( 30 ) |    | Absolute<br>% Cover | Dominant<br>Species | Indicator<br>Status |
|-----------------------|-----------------------------|--|--|--|------------------|----|---------------------|---------------------|---------------------|
| 1                     |                             |  |  |  |                  |    |                     |                     |                     |
| 2                     |                             |  |  |  |                  |    |                     |                     |                     |
| 3                     |                             |  |  |  |                  |    |                     |                     |                     |
| 4                     |                             |  |  |  |                  |    |                     |                     |                     |
| 5                     |                             |  |  |  |                  |    |                     |                     |                     |
| 6                     |                             |  |  |  |                  |    |                     |                     |                     |
| 7                     |                             |  |  |  |                  |    |                     |                     |                     |
| 8                     |                             |  |  |  |                  |    |                     |                     |                     |
| 9                     |                             |  |  |  |                  |    |                     |                     |                     |
| 10                    |                             |  |  |  |                  |    |                     |                     |                     |
|                       |                             |  |  |  |                  | 0  | = Total Cover       |                     |                     |
| Sapling/Shrub Stratum |                             |  |  |  | Plot Size ( 15 ) |    | Absolute<br>% Cover | Dominant<br>Species | Indicator<br>Status |
| 1                     |                             |  |  |  |                  |    |                     |                     |                     |
| 2                     |                             |  |  |  |                  |    |                     |                     |                     |
| 3                     |                             |  |  |  |                  |    |                     |                     |                     |
| 4                     |                             |  |  |  |                  |    |                     |                     |                     |
| 5                     |                             |  |  |  |                  |    |                     |                     |                     |
| 6                     |                             |  |  |  |                  |    |                     |                     |                     |
| 7                     |                             |  |  |  |                  |    |                     |                     |                     |
| 8                     |                             |  |  |  |                  |    |                     |                     |                     |
| 9                     |                             |  |  |  |                  |    |                     |                     |                     |
| 10                    |                             |  |  |  |                  |    |                     |                     |                     |
|                       |                             |  |  |  |                  | 0  | = Total Cover       |                     |                     |
| Herb Stratum          |                             |  |  |  | Plot Size ( 5 )  |    | Absolute<br>% Cover | Dominant<br>Species | Indicator<br>Status |
| 1                     | <i>Tanacetum vulgare</i>    |  |  |  |                  | 10 | Y                   | FACU                |                     |
| 2                     | <i>Taraxacum officinale</i> |  |  |  |                  | 5  | Y                   | FACU                |                     |
| 3                     |                             |  |  |  |                  |    |                     |                     |                     |
| 4                     |                             |  |  |  |                  |    |                     |                     |                     |
| 5                     |                             |  |  |  |                  |    |                     |                     |                     |
| 6                     |                             |  |  |  |                  |    |                     |                     |                     |
| 7                     |                             |  |  |  |                  |    |                     |                     |                     |
| 8                     |                             |  |  |  |                  |    |                     |                     |                     |
| 9                     |                             |  |  |  |                  |    |                     |                     |                     |
| 10                    |                             |  |  |  |                  |    |                     |                     |                     |
| 11                    |                             |  |  |  |                  |    |                     |                     |                     |
| 12                    |                             |  |  |  |                  |    |                     |                     |                     |
| 13                    |                             |  |  |  |                  |    |                     |                     |                     |
| 14                    |                             |  |  |  |                  |    |                     |                     |                     |
| 15                    |                             |  |  |  |                  |    |                     |                     |                     |
|                       |                             |  |  |  |                  | 15 | = Total Cover       |                     |                     |
| Woody Vine Stratum    |                             |  |  |  | Plot Size ( 30 ) |    | Absolute<br>% Cover | Dominant<br>Species | Indicator<br>Status |
| 1                     |                             |  |  |  |                  |    |                     |                     |                     |
| 2                     |                             |  |  |  |                  |    |                     |                     |                     |
| 3                     |                             |  |  |  |                  |    |                     |                     |                     |
| 4                     |                             |  |  |  |                  |    |                     |                     |                     |
| 5                     |                             |  |  |  |                  |    |                     |                     |                     |
|                       |                             |  |  |  |                  | 0  | = Total Cover       |                     |                     |

**50/20 Thresholds**

|                       |     |     |
|-----------------------|-----|-----|
|                       | 20% | 50% |
| Tree Stratum          | 0   | 0   |
| Sapling/Shrub Stratum | 0   | 0   |
| Herb Stratum          | 3   | 8   |
| Woody Vine Stratum    | 0   | 0   |

**Dominance Test Worksheet**

Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across all Strata: 2 (B)

Percent of Dominant Species that are OBL, FACW, or FAC: 0.00% (A/B)

**Prevalence Index Worksheet**

Total % Cover of:

|                          |                 |               |
|--------------------------|-----------------|---------------|
| OBL species              | <u>0</u> x 1 =  | <u>0</u>      |
| FACW species             | <u>0</u> x 2 =  | <u>0</u>      |
| FAC species              | <u>0</u> x 3 =  | <u>0</u>      |
| FACU species             | <u>15</u> x 4 = | <u>60</u>     |
| UPL species              | <u>0</u> x 5 =  | <u>0</u>      |
| Column totals            | <u>15</u> (A)   | <u>60</u> (B) |
| Prevalence Index = B/A = | <u>4.00</u>     |               |

**Hydrophytic Vegetation Indicators:**

Rapid test for hydrophytic vegetation

Dominance test is >50%

Prevalence index is ≤3.0\*

Morphological adaptations\* (provide supporting data in Remarks or on a separate sheet)

Problematic hydrophytic vegetation\* (explain)

\*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

**Definitions of Vegetation Strata:**

**Tree** - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/shrub** - Woody plants less than 3 in. DBH and greater than 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.

**Hydrophytic vegetation present?** N

Remarks: (Include photo numbers here or on a separate sheet)

Bare soil accounts for approximately 80% of the ground cover, and upland vegetation dominates elsewhere.

