

## WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP City/County: Carlton Sampling Date: 5/28/2014  
 Applicant/Owner: Enbridge State: MN Sampling Point CRC5097a1W  
 Investigator(s): KRG/NTT Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CC  
 Slope (%): 0 - 2% Lat.: 46.588246 Long.: -92.666929 Datum: WGS84  
 Soil Map Unit Name: 533 NWI Classification: PFO/SSB  
 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>Y</u> Hydric soil present? <u>Y</u> Indicators of wetland hydrology present? <u>Y</u>	<b>Is the sampled area within a wetland?</b> <u>Y</u> If yes, optional wetland site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.) The wetland is a sedge meadow community located in an existing powerline corridor.	

### HYDROLOGY

<b>Primary Indicators</b> (minimum of one is required; check all that apply)	<b>Secondary Indicators</b> (minimum of two required)
<input checked="" type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input checked="" type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" 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 <input type="checkbox"/> Drift Deposits (B3)      Living Roots (C3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Recent Iron Reduction in Tilled <input type="checkbox"/> Inundation Visible on Aerial      Soils (C6) Imagery (B7) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Sparsely Vegetated Concave <input type="checkbox"/> Other (Explain in Remarks)         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 <input type="checkbox"/> (C9) <input type="checkbox"/> Stunted or 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)
<b>Field Observations:</b> Surface water present? Yes <input checked="" type="checkbox"/> Depth (inches): <u>2</u> Water table present? Yes <input checked="" type="checkbox"/> Depth (inches): <u>0</u> Saturation present? Yes <input checked="" type="checkbox"/> Depth (inches): <u>0</u> (includes capillary fringe)	<b>Indicators of wetland hydrology present?</b> <u>Y</u>
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks: Pockets of shallow standing water are present throughout the wetland. Soils are saturated to the surface.	

**VEGETATION** - Use scientific names of plants

Sampling Point:

CRC5097a1W

Tree Stratum	Plot Size ( 30 ft )	Absolute % Cover	Dominant Species	Indicator Status																	
1					<b>50/20 Thresholds</b> <table style="width:100%; border-collapse: collapse;"> <tr><td style="width:60%;"></td><td style="width:20%; text-align: center;">20%</td><td style="width:20%; text-align: center;">50%</td></tr> <tr><td>Tree Stratum</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> <tr><td>Sapling/Shrub Stratum</td><td style="text-align: center;">2</td><td style="text-align: center;">5</td></tr> <tr><td>Herb Stratum</td><td style="text-align: center;">20</td><td style="text-align: center;">50</td></tr> <tr><td>Woody Vine Stratum</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> </table>			20%	50%	Tree Stratum	0	0	Sapling/Shrub Stratum	2	5	Herb Stratum	20	50	Woody Vine Stratum	0	0
	20%	50%																			
Tree Stratum	0	0																			
Sapling/Shrub Stratum	2	5																			
Herb Stratum	20	50																			
Woody Vine Stratum	0	0																			
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10		0	= Total Cover																		
Sapling/Shrub Stratum	Plot Size ( 15 ft )	Absolute % Cover	Dominant Species	Indicator Status																	
1	<i>Alnus incana</i>	5	Y	FACW	<b>Dominance Test Worksheet</b> Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A)  Total Number of Dominant Species Across all Strata: <u>3</u> (B)  Percent of Dominant Species that are OBL, FACW, or FAC: <u>100.00%</u> (A/B)																
2	<i>Larix laricina</i>	5	Y	FACW																	
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10		10	= Total Cover																		
Herb Stratum	Plot Size ( 5 ft )	Absolute % Cover	Dominant Species	Indicator Status																	
1	<i>Carex utriculata</i>	90	Y	OBL	<b>Prevalence Index Worksheet</b> Total % Cover of: OBL species <u>90</u> x 1 = <u>90</u> FACW species <u>20</u> x 2 = <u>40</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>0</u> x 4 = <u>0</u> UPL species <u>0</u> x 5 = <u>0</u> Column totals <u>110</u> (A) <u>130</u> (B) Prevalence Index = B/A = <u>1.18</u>																
2	<i>Ribes americanum</i>	10	N	FACW																	
3																					
4																					
5																					
6																					
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9																					
10																					
11																					
12																					
13																					
14																					
15		100	= Total Cover																		
Woody Vine Stratum	Plot Size ( 30 ft )	Absolute % Cover	Dominant Species	Indicator Status																	
1					<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> Rapid test for hydrophytic vegetation <input checked="" type="checkbox"/> Dominance test is >50% <input checked="" type="checkbox"/> 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																
2																					
3																					
4																					
5		0	= Total Cover																		
					<b>Definitions of Vegetation Strata:</b> <b>Tree</b> - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  <b>Sapling/shrub</b> - Woody plants less than 3 in. DBH and greater than 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 vines</b> - All woody vines greater than 3.28 ft in height.																
					<b>Hydrophytic vegetation present?</b> <u>Y</u>																

Remarks: (Include photo numbers here or on a separate sheet)  
 The point is located in a sedge meadow community dominated by *Carex utriculata*.

