

**WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region**

Project/Site: SPP City/County: Carlton Sampling Date: 5/30/2014  
 Applicant/Owner: Enbridge State: MN Sampling Point: CRC5044a1W  
 Investigator(s): KRG/NTT Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CC  
 Slope (%): 0 - 2% Lat.: 46.587236 Long.: -92.886692 Datum: WGS84  
 Soil Map Unit Name: 990 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 consists of an alder thicket dominated by speckled alder. Soils are saturated at the sample point.	

**HYDROLOGY**

Primary Indicators (minimum of one is required; check all that apply) <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)	Secondary Indicators (minimum of two required) <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 or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface water present? Yes <input checked="" type="checkbox"/> Depth (inches): <u>1</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: Soils are saturated to the surface and shallow standing water is present in some areas.	

**VEGETATION** - Use scientific names of plants

Sampling Point:

CRC5044a1W

Tree Stratum				Plot Size ( 30 ft )																	
	Absolute % Cover	Dominant Species	Indicator Status																		
1	5	Y	FAC	<b>50/20 Thresholds</b> <table style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>20%</td> <td>50%</td> </tr> <tr> <td>Tree Stratum</td> <td>1</td> <td>3</td> </tr> <tr> <td>Sapling/Shrub Stratum</td> <td>9</td> <td>23</td> </tr> <tr> <td>Herb Stratum</td> <td>15</td> <td>38</td> </tr> <tr> <td>Woody Vine Stratum</td> <td>0</td> <td>0</td> </tr> </table>				20%	50%	Tree Stratum	1	3	Sapling/Shrub Stratum	9	23	Herb Stratum	15	38	Woody Vine Stratum	0	0
	20%	50%																			
Tree Stratum	1	3																			
Sapling/Shrub Stratum	9	23																			
Herb Stratum	15	38																			
Woody Vine Stratum	0	0																			
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10	5	= Total Cover		<b>Dominance Test Worksheet</b> Number of Dominant Species that are OBL, FACW, or FAC: <u>4</u> (A) Total Number of Dominant Species Across all Strata: <u>4</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>100.00%</u> (A/B)																	
<b>Sapling/Shrub Stratum</b>																					
Plot Size ( 15 ft )																					
	Absolute % Cover	Dominant Species	Indicator Status																		
1	40	Y	FACW																		
2	5	N	FACW																		
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10	45	= Total Cover																			
<b>Herb Stratum</b>																					
Plot Size ( 5 ft )																					
	Absolute % Cover	Dominant Species	Indicator Status																		
1	25	Y	OBL																		
2	25	Y	OBL																		
3	10	N	FACW																		
4	10	N	FACW																		
5	5	N	FACW																		
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15	75	= Total Cover																			
<b>Woody Vine Stratum</b>																					
Plot Size ( 30 ft )																					
	Absolute % Cover	Dominant Species	Indicator Status																		
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10	0	= Total Cover																			

  

Hydrophytic Vegetation Indicators:		
<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*	
<input type="checkbox"/>	Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)	
<input type="checkbox"/>	Problematic hydrophytic vegetation* (explain)	
*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic		

  

Definitions of Vegetation Strata:	
<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>
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Remarks: (Include photo numbers here or on a separate sheet)  
 Vegetation is dominated by speckled alder with marsh marigold and Canada bluejoint in the ground layer.

