

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

Project/Site: SPP City/County: Carlton Sampling Date: 5/31/2014  
 Applicant/Owner: Enbridge State: MN Sampling Point: CRC5045b9U  
 Investigator(s): KRG/NTT Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Rise Local relief (concave, convex, none): VV  
 Slope (%): 0 - 2% Lat.: 46.589408 Long.: -92.885465 Datum: WGS84  
 Soil Map Unit Name: 21C 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> Hydric soil present? <u>    N    </u> Indicators of wetland hydrology present? <u>    N    </u>	<b>Is the sampled area within a wetland?</b> <u>    N    </u>  If yes, optional wetland site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.) The upland is located on a slight rise with mowed trails surrounding.	

**HYDROLOGY**

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 <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 type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface water present? Yes <input type="checkbox"/> Depth (inches): _____ Water table present? Yes <input type="checkbox"/> Depth (inches): _____ Saturation present? Yes <input type="checkbox"/> Depth (inches): _____ (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: No indicators of wetland hydrology were observed.	

**VEGETATION - Use scientific names of plants**

**Sampling Point:**

CRC5045b9U

Tree Stratum				Plot Size ( 30 ft )		Absolute % Cover	Dominant Species	Indicator Status
1	<i>Populus tremuloides</i>		10	Y	FAC			
2	<i>Betula papyrifera</i>		5	Y	FACU			
3								
4								
5								
6								
7								
8								
9								
10								
			15	= Total Cover				

  

Sapling/Shrub Stratum				Plot Size ( 15 ft )		Absolute % Cover	Dominant Species	Indicator Status
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
			0	= Total Cover				

  

Herb Stratum				Plot Size ( 5 ft )		Absolute % Cover	Dominant Species	Indicator Status
1	<i>Rubus idaeus</i>		40	Y	FAC			
2	<i>Poa pratensis</i>		30	Y	FACU			
3	<i>Bromus inermis</i>		30	Y	UPL			
4	<i>Rosa blanda</i>		5	N	FACU			
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
			105	= Total Cover				

  

Woody Vine Stratum				Plot Size ( 30 ft )		Absolute % Cover	Dominant Species	Indicator Status
1								
2								
3								
4								
5								
			0	= Total Cover				

  

50/20 Thresholds			
		20%	50%
Tree Stratum		3	8
Sapling/Shrub Stratum		0	0
Herb Stratum		21	53
Woody Vine Stratum		0	0

  

Dominance Test Worksheet			
Number of Dominant Species that are OBL, FACW, or FAC: <u>2</u> (A)			
Total Number of Dominant Species Across all Strata: <u>5</u> (B)			
Percent of Dominant Species that are OBL, FACW, or FAC: <u>40.00%</u> (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>50</u>	x 3 =	<u>150</u>
FACU species	<u>40</u>	x 4 =	<u>160</u>
UPL species	<u>30</u>	x 5 =	<u>150</u>
Column totals	<u>120</u> (A)		<u>460</u> (B)
Prevalence Index = B/A = <u>3.83</u>			

  

Hydrophytic Vegetation Indicators:			
<input type="checkbox"/> Rapid test for hydrophytic vegetation			
<input type="checkbox"/> Dominance test is >50%			
<input 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.			

  

Hydrophytic vegetation present?	
	<u>N</u>

  

Remarks: (Include photo numbers here or on a separate sheet)  
 Upland vegetation is dominated by raspberry and grasses.

