

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

Project/Site: SPP City/County: Carlton Sampling Date: 5/26/2014  
 Applicant/Owner: Enbridge State: MN Sampling Point: CR133b1W  
 Investigator(s): DGL/BJC Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): CL  
 Slope (%): 0 - 2% Lat.: 46.610261 Long.: -92.385197 Datum: \_\_\_\_\_  
 Soil Map Unit Name: 188 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>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 located in a ditch adjacent to a residential lawn. Vegetation is dominated by reed canary grass and green bulrush.	

**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 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 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)	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 type="checkbox"/> Depth (inches): _____ 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 at the surface, but there is no flowing water present at the time of survey.	

**VEGETATION** - Use scientific names of plants

Sampling Point:

CR133b1W

Tree Stratum	Plot Size ( 30 ft )	Absolute % Cover	Dominant Species	Indicator Status	<b>50/20 Thresholds</b>	
1					Tree Stratum	20% 0
2					Sapling/Shrub Stratum	50% 0
3					Herb Stratum	18 45
4					Woody Vine Stratum	0 0
5					<b>Dominance Test Worksheet</b>	
6					Number of Dominant Species that are OBL, FACW, or FAC: <u>2</u> (A)	
7					Total Number of Dominant Species Across all Strata: <u>2</u> (B)	
8					Percent of Dominant Species that are OBL, FACW, or FAC: <u>100.00%</u> (A/B)	
9					<b>Prevalence Index Worksheet</b>	
10		0 = Total Cover			Total % Cover of: OBL species <u>30</u> x 1 = <u>30</u> FACW species <u>60</u> x 2 = <u>120</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>90</u> (A) <u>150</u> (B) Prevalence Index = B/A = <u>1.67</u>	
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>Phalaris arundinacea</i>	60	Y	FACW	<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	<i>Scirpus atrovirens</i>	30	Y	OBL		
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
		90 = Total Cover				
Woody Vine Stratum	Plot Size ( 30 ft )	Absolute % Cover	Dominant Species	Indicator Status		
1						
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 roadside ditch is dominated by hydrophytic species.						

