

**WETLAND DETERMINATION DATA FORM - North Central and Northeast Region**

Project/Site: SPP City/County: Carlton Sampling Date: 2015-06-25  
 Applicant/Owner: Enbridge State: Minnesota Sampling Point: CR162e1W  
 Investigator(s): ACM/LEB Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): depression Local Relief (concave, convex, none): Conca... Slope (%): 0-2  
 Subregion (LRR or MLRA): \_\_\_\_\_ Latitude: 46.357455 Longitude: -92.180072 Datum: Minnesota State ...  
 Soil Map Unit Name: 303 NWI Classification: \_\_\_\_\_

Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in Remarks): Yes  
 Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes  
 Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If needed, explain any answers in Remarks)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	<u>Yes</u>	<b>Is the Sampled Area within a Wetland?</b>	<u>Yes</u>
Hydric Soil Present?	<u>Yes</u>		
Wetland Hydrology Present?	<u>Yes</u>		

Remarks: (Explain alternative procedures here or in a separate report.)  
 The wetland is a fresh wet meadow located in a roadside ditch and extending into a recently hayed field. The vegetation is dominated by reed canary g...

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b>	<b>Secondary Indicators (minimum of two required)</b>
<u>Primary Indicators (minimum of one is required; check all that apply)</u>	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Moss Trim Lines (B16)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Stunted/Stressed Plants (D1)
<input type="checkbox"/> Iron Deposits (B5)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Microtopographic Relief (D4)
	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)

<b>Field Observations:</b>		<b>Wetland Hydrology Present?</b>	<u>Yes</u>
Surface Water Present?	<u>No</u>	Depth (inches)	_____
Water Table Present?	<u>No</u>	Depth (inches)	_____
Saturation Present? (includes capillary fringe)	<u>No</u>	Depth (inches)	_____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:  
 The wetland is located in a roadside ditch and passes the FAC-Neutral test.

**VEGETATION** - Use scientific names of plants.

Sampling Point: CR162e1W

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant <u>2</u> Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: $\frac{100}{\text{_____}}$ (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
0 = Total Cover				<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: OBL species $\frac{42.00}{\text{_____}} \times 1 = \frac{42}{\text{_____}}$ FACW species $\frac{55.00}{\text{_____}} \times 2 = \frac{110}{\text{_____}}$ FACU species $\frac{2.00}{\text{_____}} \times 3 = \frac{116}{\text{_____}}$ UPL species $\frac{0.00}{\text{_____}} \times 4 = \frac{0}{\text{_____}}$ Column Totals $\frac{128}{\text{_____}}$ (A) $\frac{274}{\text{_____}}$ (B) Prevalence Index = B/A = $\frac{2.140625}{\text{_____}}$
Sapling/Shrub Stratum (Plot Size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
0 = Total Cover				<b>Hydrophytic Vegetation Indicators:</b> yes 1 - Rapid Test for Hydrophytic Vegetation yes 2 - Dominance Test is > 50% yes 3 - Prevalence Index is $\leq 3.0^1$ _____ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Herb Stratum (Plot Size: <u>5 ft</u> )				
1. <i>Scirpus microcarpus</i>	40.00	Yes	OBL	
2. <i>Phalaris arundinacea</i>	40.00	Yes	FACW	
3. <i>Symphotrichum lanceolatum</i>	10.00	No	FACW	
4. <i>Poa pratensis</i>	10.00	No	FACU	
5. <i>Carex spicata</i>	5.00	No	FACU	
6. <i>Sonchus arvensis</i>	5.00	No	FACU	
7. <i>Poa palustris</i>	5.00	No	FACW	
8. <i>Lotus corniculatus</i>	5.00	No	FACU	
9. <i>Carex tenera</i>	2.00	No	FAC	
10. <i>Juncus balticus</i>	2.00	No	OBL	
11. <i>Elymus repens</i>	2.00	No	FACU	
12. <i>Phleum pratense</i>	2.00	No	FACU	
128 = Total Cover				<b>Definitions of Vegetation Strata:</b> <b>Tree</b> - Woody plants 3 in. (.76 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 or equal to 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.
Woody Vine Stratum (Plot Size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
0 = Total Cover				
<b>Remarks:</b> (include photo numbers here or on a separate sheet.) The vegetation is dominated by reed canary grass and small-fruit bulrush.				

