

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

Project/Site: SPP City/County: Cass Sampling Date: 2016-08-02

Applicant/Owner: Enbridge State: Minnesota Sampling Point: u-139n25w18-aj1

Investigator(s): DPT/MGH Section, Township, Range: S18, T139N, R25W

Landform (hillslope, terrace, etc.): Rise Local Relief (concave, convex, none): VV Slope (%): 0-2%

Subregion (LRR or MLRA): \_\_\_\_\_ Latitude: 46.8558431324... Longitude: -93.88319349... Datum: NAD83

Soil Map Unit Name: 142 NWI Classification: N/A

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>No</u>	<b>Is the Sampled Area within a Wetland?</b>	<u>No</u>
Hydric Soil Present?	<u>No</u>		
Wetland Hydrology Present?	<u>No</u>		
Remarks: (Explain alternative procedures here or in a separate report.) No digging, existing road, possible buried utilities.			

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b>	<u>Secondary Indicators (minimum of two required)</u>
<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 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 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 type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Aquatic Fauna (B13)	
<input type="checkbox"/> Marl Deposits (B15)	
<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	
<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	
<input type="checkbox"/> Presence of Reduced Iron (C4)	
<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	
<input type="checkbox"/> Thin Muck Surface (C7)	
<input type="checkbox"/> Other (Explain in Remarks)	

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

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

Remarks:  
No digging, could not verify water table.





Site Photograph 1

Sampling Point: u-139n25w18-aj1



Latitude: 46.85585138858

Cowardin Classification: \_\_\_\_\_

Longitude: -93.8831903134416

Circular 39: \_\_\_\_\_

Direction: north

Eggers & Reed: \_\_\_\_\_

Remarks:

Upland



Latitude: 46.8558536936034

Cowardin Classification: \_\_\_\_\_

Longitude: -93.8831877988706

Circular 39: \_\_\_\_\_

Direction: south

Eggers & Reed: \_\_\_\_\_

Remarks:

Upland