

**WETLAND DETERMINATION DATA FORM - Midwest Region**

Project/Site: SPP City/County: Polk Sampling Date: 7/15/2015  
 Applicant/Owner: Enbridge State: Minnesota Sampling Point: u-149n39w24-b1  
 Investigator(s): ACM/LEB Section, Township, Range: \_\_\_\_\_  
 Landform (hillslope, terrace, etc.): rise Local Relief (concave, convex, none): Convex  
 Slope (%): 2 Latitude: 47.7170118084622 Longitude: -95.5874009617563 Datum: Minnesota State Plane North, NAD 83 (2011) U.S. f...  
 Soil Map Unit Name: 296 NWI Classification: \_\_\_\_\_

Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in Remarks):   
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present?   
 Are Vegetation , Soil , or Hydrology  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</b> <b>within a Wetland?</b> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	<u>No</u>	
Wetland Hydrology Present?	<u>No</u>	

Remarks: (Explain alternative procedures here or in a separate report.)  
 The upland area is a roadside located between a road and a ditch wetland. Vegetation is dominated by smooth brome and poison ivy.

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

Sampling Point: u-149n39...

Tree Stratum (Plot Size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	<b>Dominance Test worksheet:</b> Number of Dominant Species _____ That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species _____ Species Across All Strata: <u>1</u> (B) Percent of Dominant Species _____ That Are OBL, FACW, or FAC: <u>0.00</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
0 _____ = Total Cover				<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is > 50% <input type="checkbox"/> 3 - Prevalence Index is ≤ 3.0 <sup>1</sup> <input type="checkbox"/> 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.
Sapling/Shrub Stratum (Plot Size: _____) 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 0 _____ = Total Cover				
Herb Stratum (Plot Size: <u>5</u> _____) 1. <u>Bromus inermis</u> <u>65.00</u> <u>Yes</u> <u>FACU</u> 2. <u>Toxicodendron rydbergii</u> <u>15.00</u> <u>No</u> <u>FAC</u> 3. <u>Poa palustris</u> <u>10.00</u> <u>No</u> <u>FACW</u> 4. <u>Polygonum aviculare</u> <u>5.00</u> <u>No</u> <u>FAC</u> 5. <u>Medicago lupulina</u> <u>5.00</u> <u>No</u> <u>FACU</u> 6. <u>Ambrosia artemisiifolia</u> <u>2.00</u> <u>No</u> <u>FACU</u> 7. _____ 8. _____ 9. _____ 10. _____ 0 _____ = Total Cover				
Woody Vine Stratum (Plot Size: _____) 1. _____ 2. _____ 0 _____ = Total Cover				

Remarks: (include photo numbers here or on a separate sheet.)  
 The vegetation is dominated by smooth brome with some poison ivy.

**SOIL**

Sampling Point: u-149n39...

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators:**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- 5 cm Mucky Peat or Peat (S3)

- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

**Indicators for Problematic Hydric Soil<sup>3</sup>:**

- Coast Prairie Redox (A16)(LRR K, L, R)
- Dark Surface (S7) (LRR K, M)
- Iron-Maganese Masses (F12) (LRR K, L, R)
- Very Shallow Dark Surface (TF12)
- Other (explain in remarks)

Restrictive Layer (if observed):

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

Hydric Soil Present? No

Remarks:  
Soils were not sampled due to the roadside location, but are assumed to be non-hydric based on the landscape position and dominant vegetation.

**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one is required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)

- Water-Stained Leaves (B9)
- Aquatic Fauna (B13)
- True Aquatic Plants
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres on Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thick Muck Surface
- Gauge or Well Water
- Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- Surface Soil Cracks (B6)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Stunted/Stressed Plants (D1)
- Geomorphic Position (D2)
- FAC-Neutral Test (D5)

**Field Observations:**

Surface Water Present? No Depth (inches) \_\_\_\_\_

Water Table Present? No Depth (inches) \_\_\_\_\_

Saturation Present? No Depth (inches) \_\_\_\_\_

(includes capillary fringe)

Wetland Hydrology Present? No

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

Remarks:  
No indicators of wetland hydrology were observed.