

WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site: SPP City/County: Clearwater Sampling Date: 2016-07-28
 Applicant/Owner: Enbridge State: Minnesota Sampling Point: CLC5040_000RRa1U
 Investigator(s): mts mew Section, Township, Range: 28, T147N, R37W
 Landform (hillslope, terrace, etc.): Side Slope Local Relief (concave, convex, none): CV Slope (%): 26-60%
 Latitude: 47.5293021044... Longitude: -95.37027605...

Datum: NAD83
 Soil Map Unit Name: _____ NWI Classification: _____

Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in Remarks): Yes

Are Vegetation Yes, Soil Yes, or Hydrology Yes significantly disturbed? Are "Normal Circumstances" present? Yes

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>	Is the Sampled Area within a Wetland? <u>No</u> 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.) No digging in rail corridor. Soils assumed non-hydric based on lack of hydrology and hydrophytic Vegetation		

VEGETATION - Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status	
Tree Stratum (Plot Size: _____)				
1. <u>Populus deltoides</u>	<u>40</u>	<u>Yes</u>	<u>FAC</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.33</u> (A/B)
2. <u>Larix laricina</u>	<u>5</u>	<u>No</u>	<u>FACW</u>	
3. <u>Populus tremuloides</u>	<u>5</u>	<u>No</u>	<u>FAC</u>	
4. _____	_____	_____	_____	
	<u>50</u>	= Total Cover		
Sapling/Shrub Stratum (Plot Size: _____)				
1. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species <u>0.00</u> x 1 <u>0</u> FACW species <u>5.00</u> x 2 <u>10</u> FACU species <u>45.00</u> x 3 <u>400</u> UPL species <u>0.00</u> x 4 <u>0</u> Column Totals <u>150</u> (A) <u>545</u> (B) Prevalence Index = B/A = <u>3.6333333...</u>
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
	<u>0</u>	= Total Cover		
Herb Stratum (Plot Size: <u>5</u> _____)				
1. <u>Lotus corniculatus</u>	<u>70</u>	<u>Yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u>no</u> 1 - Rapid Test for Hydrophytic Vegetation <u>no</u> 2 - Dominance Test is > 50% <u>no</u> 3 - Prevalence Index is ≤ 3.0 ¹ _____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Solidago canadensis</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
	<u>100</u>	= Total Cover		
Woody Vine Stratum (Plot Size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
	<u>0</u>	= Total Cover		
% Bare Ground in Herb Stratum _____				Hydrophytic Vegetation Present? <u>No</u>
Remarks:				

Sampling Point: CLC5040_...

[illegible]

Wetland Hydrology Indicators:		
<u>Primary Indicators (minimum of one is required; check all that apply)</u> <u>Secondary Indicators (minimum of two required)</u>		
☐ 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) ☐ Water-Stained Leaves (B9) ☐ Inundation Visible on Aerial Imagery (B7)	☐ Salt Crust (B11) ☐ Aquatic Invertebrates (B13) ☐ Hydrogen Sulfide Odor (C1) ☐ Dry-Season Water Table (C2) ☐ Oxidized Rhizospheres on Living Roots (C3) (where not tilled) ☐ Presence of Reduced Iron (C4) ☐ Thin Muck Surface (C7) ☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6) ☐ Sparsely Vegetated Concave Surface (B8) ☐ Drainage Patterns (B10) ☐ Oxidized Rhizospheres on Living Roots (C3) (where tilled) ☐ Crayfish Burrows (C8) ☐ Saturation Visible on Aerial Imagery (C9) ☐ Geomorphic Position (D2) ☐ FAC-Neutral Test (D5) ☐ Frost-Heave Hummocks (D7) (LRR F)
Field Observations: Surface Water Present? ☐ Water Table Present? ☐ Saturation Present? ☐ (includes capillary fringe) Depth (inches) Depth (inches) Depth (inches)		Wetland Hydrology Present? ☐
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		



Latitude: 47.5293586822669

Longitude: -95.3702815902376

Direction: W

Cowardin Classification:

Circular 39:

Eggers & Reed:

Remarks:



Latitude:

Longitude:

Direction:

Cowardin Classification:

Circular 39:

Eggers & Reed:

Remarks: