

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP City/County: Carlton Sampling Date: 6/3/2014
 Applicant/Owner: Enbridge State: MN Sampling Point: CRR51006e1U
 Investigator(s): LEB/CPF Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Footslope Local relief (concave, convex, none) VC
 Slope (%): 0 - 2% Lat.: 46.580803 Long.: -92.615155 Datum: _____
 Soil Map Unit Name: 504C 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 circumstances" present?
 Are vegetation , soil , or hydrology naturally problematic?
 (If needed, explain any answers in remarks)

SUMMARY OF FINDINGS

Hydrophytic vegetation present? <u> N </u> Hydric soil present? <u> N </u> Indicators of wetland hydrology present? <u> N </u>	Is the sampled area within a wetland? <u> N </u> If yes, optional wetland site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.) The point is located in a hayfield which slopes into a shrub-carr wetland.	

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 type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input 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 <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Roots (C3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Recent Iron Reduction in Tilled <input type="checkbox"/> Inundation Visible on Aerial <input type="checkbox"/> Soils (C6) Imagery (B7) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Sparsely Vegetated Concave <input type="checkbox"/> Other (Explain in Remarks) 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 type="checkbox"/> FAC-Neutral Test (D5)	Field Observations: Surface water present? Yes <input type="checkbox"/> Depth (inches): _____ Water table present? Yes <input type="checkbox"/> Depth (inches): _____ Saturation present? Yes <input type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Indicators of wetland hydrology present? <u> N </u>
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks: No wetland hydrology observed.			

VEGETATION - Use scientific names of plants

Sampling Point:

CRR51006e1U

Tree Stratum			Absolute % Cover			Dominant Species			Indicator Status		
Plot Size (30 ft)										
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
			0	= Total Cover							
Sapling/Shrub Stratum			Absolute % Cover			Dominant Species			Indicator Status		
Plot Size (15 ft)										
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
			0	= Total Cover							
Herb Stratum			Absolute % Cover			Dominant Species			Indicator Status		
Plot Size (5 ft)										
1	<i>Poa pratensis</i>		35		Y						FACU
2	<i>Elymus trachycaulus</i>		35		Y						FACU
3	<i>Eurybia macrophylla</i>		10		N						UPL
4	<i>Taraxacum officinale</i>		5		N						FACU
5	<i>Trifolium pratense</i>		5		N						FACU
6	<i>Fragaria virginiana</i>		5		N						FACU
7											
8											
9											
10											
11											
12											
13											
14											
15											
			95	= Total Cover							
Woody Vine Stratum			Absolute % Cover			Dominant Species			Indicator Status		
Plot Size (30 ft)										
1											
2											
3											
4											
5											
			0	= Total Cover							

50/20 Thresholds			20%	50%
Tree Stratum			0	0
Sapling/Shrub Stratum			0	0
Herb Stratum			19	48
Woody Vine Stratum			0	0
Dominance Test Worksheet				
Number of Dominant Species that are OBL, FACW, or FAC: <u>0</u> (A)				
Total Number of Dominant Species Across all Strata: <u>2</u> (B)				
Percent of Dominant Species that are OBL, FACW, or FAC: <u>0.00%</u> (A/B)				
Prevalence Index Worksheet				
Total % Cover of:				
OBL species	<u>0</u>	x 1 =	<u>0</u>	
FACW species	<u>0</u>	x 2 =	<u>0</u>	
FAC species	<u>0</u>	x 3 =	<u>0</u>	
FACU species	<u>85</u>	x 4 =	<u>340</u>	
UPL species	<u>10</u>	x 5 =	<u>50</u>	
Column totals	<u>95</u> (A)		<u>390</u> (B)	
Prevalence Index = B/A = <u>4.11</u>				
Hydrophytic Vegetation Indicators:				
<input type="checkbox"/> Rapid test for hydrophytic vegetation				
<input type="checkbox"/> Dominance test is >50%				
<input type="checkbox"/> Prevalence index is ≤3.0*				
<input type="checkbox"/> Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)				
<input type="checkbox"/> Problematic hydrophytic vegetation* (explain)				
*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic				
Definitions of Vegetation Strata:				
Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.				
Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
Woody vines - All woody vines greater than 3.28 ft in height.				
Hydrophytic vegetation present? <u>N</u>				

Remarks: (Include photo numbers here or on a separate sheet)
 The point is dominated by slender wheatgrass and Kentucky bluegrass.

