

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: SPP City/Country: Carlton Sampling Date: 5/27/2014
Applicant/Owner: Enbridge State: MN Sampling Point: CRR51010_623a1W
Investigator(s): BJC/DGL Section, Township, Range: _____
Landform (hillslope, terrace, etc.): Toeslope Local relief (concave, convex, none): CL
Slope (%): 0 - 2% Lat.: 46.613124 Long.: -92.532611 Datum: _____
Soil Map Unit Name: 12E 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
Are vegetation ☐, soil ☐, or hydrology ☐ naturally problematic? circumstances" present? ☒
(If needed, explain any answers in remarks)

SUMMARY OF FINDINGS

Hydrophytic vegetation present?	<u>Y</u>	Is the sampled area within a wetland?	<u>Y</u>
Hydric soil present?	<u>Y</u>		
Indicators of wetland hydrology present?	<u>Y</u>	If yes, optional wetland site ID:	<u> </u>
Remarks: (Explain alternative procedures here or in a separate report.) The wetland is a wet meadow community located within a roadside ditch.			

HYDROLOGY

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) ☐ Marl Deposits (B15) ☐ Hydrogen Sulfide Odor (C1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Presence of Reduced Iron (C4) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Thin Muck Surface (C7) ☐ Other (Explain in Remarks)			Secondary Indicators (minimum of two required) ☐ Surface Soil Cracks (B6) ☐ Drainage Patterns (B10) ☐ Moss Trim Lines (B16) ☐ Dry-Season Water Table (C2) ☐ Crayfish Burrows (C8) ☐ Saturation Visible on Aerial Imagery (C9) ☐ Stunted or Stressed Plants (D1) ☒ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ Microtopographic Relief (D4) ☒ FAC-Neutral Test (D5)		
Field Observations: Surface water present? Yes ☐ Water table present? Yes ☐ Saturation present? Yes ☐ (includes capillary fringe) Depth (inches): _____ Depth (inches): _____ Depth (inches): _____			Indicators of wetland hydrology present? <u>Y</u>		
Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks: The wetland is located in a low-lying area and is dominated by hydrophytic vegetation.					

VEGETATION - Use scientific names of plants
Sampling Point:

CRR51010_623a1W

Tree Stratum					Plot Size (30 ft)		Absolute % Cover	Dominant Species	Indicator Status FACW
1	<i>Picea mariana</i>								
2									
3									
4									
5									
6									
7									
8									
9									
10									
			0	= Total Cover					

Sapling/Shrub Stratum					Plot Size (15 ft)		Absolute % Cover	Dominant Species	Indicator Status
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
			0	= Total Cover					

Herb Stratum					Plot Size (5 ft)		Absolute % Cover	Dominant Species	Indicator Status FACW
1	<i>Phalaris arundinacea</i>		50	Y	FACW				
2	<i>Scirpus atrovirens</i>		30	Y	OBL				
3	<i>Scirpus cyperinus</i>		15	N	OBL				
4	<i>Calamagrostis canadensis</i>		5	N	OBL				
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
			100	= Total Cover					

Woody Vine Stratum					Plot Size (30 ft)		Absolute % Cover	Dominant Species	Indicator Status
1									
2									
3									
4									
5									
			0	= Total Cover					

50/20 Thresholds

	20%	50%
Tree Stratum	0	0
Sapling/Shrub Stratum	0	0
Herb Stratum	20	50
Woody Vine Stratum	0	0

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across all Strata: 2 (B)

Percent of Dominant Species that are OBL, FACW, or FAC: 100.00% (A/B)

Prevalence Index Worksheet

Total % Cover of:

OBL species	50	x 1 =	50
FACW species	50	x 2 =	100
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column totals	100 (A)		150 (B)

Prevalence Index = B/A = 1.50

Hydrophytic Vegetation Indicators:

☒ Rapid test for hydrophytic vegetation

☒ Dominance test is >50%

☒ Prevalence index is ≤3.0*

Morphological adaptations* (provide supporting data in Remarks or on a separate sheet)

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? Y

Remarks: (Include photo numbers here or on a separate sheet)
 The wetland is dominated by various hydrophytic species.

SOIL

Sampling Point: CRR51010_623a1W

[illegible]