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

Project/Site: SPP	City/County: Wad	ena	Sampling Date: 201	6-07-25	
Applicant/Owner: Enbridge		State: Minnesota	Sampling Point: u-13	38n33w1-aa1	
Investigator(s): DPT, MGH	Section, To	wnship, Range: S1, T138N,	R33W		
Landform (hillslope, terrace, etc.): Rise		Local Relief (concave		 ре (%): 0-2%	
Subregion (LRR or MLRA):	<u> </u>	•	Longitude: -94.78910095 Datum:		
Soil Map Unit Name: 564			NWI Classification: N		
Are climatic/hydrologic conditions on	the site typical for this time o	f vear? (if no explain in Rer		·	
-			· —		
Are Vegetation No_, Soil No_, or I	Hydrology No significantly of	disturbed? Are "Normal Cir	cumstances" present? Yes		
Are Vegetation No , Soil No , or Hy	drology No naturally proble	ematic? (If needed, explair	n any answers in Remarks)		
<u> </u>					
SUMMARY OF FINDINGS - Attach s	ite map showing sampling po	pint locations, transects, im	portant features, etc.		
Hydrophytic Vegetation Present?	<u>No</u>	Is the Sampled Area			
Hydric Soil Present?	No	within a Wetland?	<u>No</u>		
Wetland Hydrology Present?	<u>No</u>	If yes, optional Wetla	and Site ID:		
Remarks: (Explain alternative procedu	ures here or in a separate rep	ort.)			
No digging, existing forest road, pote	ntial buried utilities. Precipita	tion above normal based o	n WETS analysis.		
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (minimu	m of two required)	
Primary Indicators (minimum of one is	required; check all that appl	v)	Surface Soil Cracks (B6)		
Surface Water (A1)	Water-Stained	d Leaves (B9)	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna	a (B13)	Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits	(B15)	Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulf	ide Odor (C1)	Crayfish Burrows (C8)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizo	ospheres on Living Roots (C3)	Saturation Visible on Aerial	Imagery (C9)	
Drift Deposits (B3)	Presence of R	educed Iron (C4)	Stunted/Stressed Plants (D2	1)	
Algal Mat or Crust (B4)	Recent Iron Re	eduction in Tilled Soils (C6)	Geomorphic Position (D2)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Sur	rface (C7)	Shallow Aquitard (D3)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (	B7) Other (Explain	n in Remarks)	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (	38)		FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present?	No Depth (in	nches)			
Water Table Present?		nches)			
Saturation Present?	No Depth (in	nches)	Wetland Hydrology Present?	<u>No</u>	
(includes capillary fringe)					
Describe Recorded Data (stream gaug	e, monitoring well, aerial pho	tos, previous inspections), i	if available:		
Remarks:					
No digging, could not confirm/deny w	rater table.				

Sapling/Shrub Stratum (Plot Size: 15

Herb Stratum (Plot Size: 5

1. Trifolium pratense

3. Phleum pratense

5. Plantago major

2. Solidago canadensis

4. Taraxacum officinale

6. Achillea millefolium

Tree Stratum

(Plot Size: 30

Absolute

% Cover

Indicator

Status

Dominant

Species?

\_\_\_\_\_ = Total Cover

= Total Cover

Yes

Yes

No

No

No

No

FACU

FACU

FACU

FACU

FAC

FACU

20.00

15.00

10.00

10.00

10.00

10.00

3.			neight (BBH)) regardless of neight.
). 			Sapling/Shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10.			
11			Herb - All herbaeceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12			woody plants less than 5.26 it tall.
	75	= Total Cover	Woody vines - All woody vines greater than 3.28 ft in height.
Noody Vine Stratum (Plot Size: 30 )			
l			
2.			Hydrophytic
3			Vegetation No Present?
l			
	0	=Total Cover	
Remarks: (include photo numbers here or on a separate sh	eet.)		•
10.4 0 15 :			Northcentral and Northeast Region – Version 2 0
JS Army Corps of Engineers			Northcentral and Northeast Region – Version 2.0

Sampling Point: u-138n33... **SOIL** Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix **Redox Features** Loc<sup>2</sup> (inches) Color (moist) Color (moist) % Type<sup>1</sup> Texture Remarks <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soil<sup>3</sup>: Hydric Soil Indicators: Polyvalue Below Surface (S8) (LRR R, MLRA Histosol (A1) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) Coast Prairie Redox (A16)(LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR K, L) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Dark Surface (S7) (LRR K, M) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Depleted Dark Surface (F7) Iron-Maganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Depressions (F8) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (explain in remarks) Restrictive Layer (if observed): Hydric Soil Present? No Depth (inches): Remarks: No digging, potential buried utilities, soils assumed non-hydric based on veg/hydro.

Site Photograph 1 Sampling Point: u-138n33w1-aa1



Latitude: 46.79307	764239717	Cowardin	Classification:
Longitude: -94.7890	997439586	Circular 39:	
Direction: west		Eggers & Reed	
Remarks:			
upland			

Site Photograph 2 Sampling Point: u-138n33w1-aa1



atitude: 46.7930773878906	Cowardin Classification:		
Longitude: <u>-94.7890945897389</u>	Circular 39:  Eggers & Reed:		
ction: east			
narks:			
and			