WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

SPP Project/Site:	Clearwat City/County:	er	Sampling Date:	2015-07-08	
Enbridge		Minnesota		CL004e1U	
Applicant/Owner:KRG/JRT		State:	Sampling Point:		
Investigator(s):	Se	ection, Township, Range: _			
talf Landform (hillslope, terrace, etc.):		Local Relief (concave, co	nvex, none):	0-2 Slope (%):	
Subregion (LRR or MLRA):	Latitude:	17.716861981943 Lon	-95.56023831 gitude: Datu	Minnesota State	
765					
Soil Map Unit Name:			NWI Classificatio	n:	
Are climatic/hydrologic conditions on the	site typical for this time of yea	ar? (if no, explain in Remar	ks):	Yes	
Are Vegetation No Soil , or Hyd	No rology significantly distu	urbed? Are "Normal Circur	Yes mstances" present?		
Are Vegetation No No No No Hydro	No				
SUMMARY OF FINDINGS - Attach site r	map showing sampling point	locations, transects, impo	rtant features. etc.		
No					
Hydrophytic Vegetation Present?	Voc.	Is the Sampled Area	No		
Hydric Soil Present?	Yes ——	within a Wetland?	No 		
Wetland Hydrology Present?	No	If yes, optional Wetland	Site ID:		
Remarks: (Explain alternative procedures	here or in a separate report.)		-		
The upland point is located in an untilled	buffer strip between a crop f	eld and a roadside ditch. V	egetation is dominated by smoo	th brome and other g	
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (mir	ilmum of two required)	
Primary Indicators (minimum of one is rec	quired; check all that apply)		Surface Soil Cracks (I		
Surface Water (A1) Water-Stain				Drainage Patterns (B10)	
High Water Table (A2) Aquatic Fau			•	Moss Trim Lines (B16)	
Saturation (A3) Marl Depos			Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen S		, ,	•	Crayfish Burrows (C8)	
		eres on Living Roots (C3)		Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3) Presence of		tion in Tilled Soils (C6)	Stunted/Stressed Plants (D1) Geomorphic Position (D2)		
			Shallow Aquitard (D3)		
Iron Deposits (B5) Thin Muck Surfa Inundation Visible on Aerial Imagery (B7) Other (Explain i				Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8)	Other (Explain III)	icinarks)		FAC-Neutral Test (D5)	
Field Observations:		1			
Surface Water Present?	No Depth (inche	s)			
Water Table Present?	No Depth (inche				
Saturation Present?	No Depth (inche	s)	Wetland Hydrology Present?	<u>No</u>	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, m	nonitoring well, aerial photos,	previous inspections), if av	vailable:		
Remarks:					
No wetland hydrology indicators were ob	served.				

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
ee Stratum (Plot Size: 30 ft)	% Cover	Species?	Status	Number of Dominant Species	
,		эрээлэг.		That Are OBL, FACW, or FAC: 0 (A)	
				Total Number of Dominant	
			_	1	
				Species Across All Strata: (B)	
		_		Percent of Dominant Species	
				0 That Are OBL, FACW, or FAC:(A/B)	
			_	Prevalence Index worksheet:	
	-	<u> </u>		Total % Cover of: Multiply by:	
	0	= Total Cover		OBL species 0.00 x 1 0	
oling/Shrub Stratum (Plot Size: 15 ft)	<u> </u>			FACW species 34.00 x 2 68	
riot size				0.00	
		_	_	FACU species 0.00 x 3 128 UPL species 47.00 x 4 235	
		_	_		
			_	(),()	
		_	_	Prevalence Index = B/A = 3.8141592	
		_	_	Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	
			_	no 2 - Dominance Test is > 50%	
5.0	0	= Total Cover		no 3 - Prevalence Index is $\le 3.0^1$	
<u>rb Stratum</u> (Plot Size: <u>5 ft</u>) Bromus inermis				4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)	
	45.00	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants 3 in. (.76 cm) or more in diameter at breast height (DBH), regardless of height.	
Poa pratonsis	20.00	No	FACW		
Poa pratensis	20.00	No	FACU		
Carex granularis	10.00	<u>No</u>	FACW		
Solidago canadensis	5.00	<u>No</u>	FACU		
Symphyotrichum ericoides	5.00	No No	FACU		
Melilotus officinalis	2.00	No No	FACU		
Solidago gigantea	2.00	No	FACW		
Cornus alba	2.00	<u>No</u>	FACW	 Sapling/Shrub - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb - All herbaeceous (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. 	
Apocynum androsaemifolium	2.00	No	UPL		
	112	= Total Cover			
	113				
	113				
pody Vine Stratum (Plot Size: 30 ft)	113				
pody Vine Stratum (Plot Size: 30 ft)				Hydrophytic	
	113			Hydrophytic Vegetation	
oody Vine Stratum (Plot Size: 30 ft)					
pody Vine Stratum (Plot Size: 30 ft)				Vegetation	
coody Vine Stratum (Plot Size: 30 ft)	0	=Total Cover		Vegetation	

Sampling Point: CL004e1U SOIL Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) **Redox Features** Type¹ Loc² (inches) Color (moist) % Color (moist) Texture Remarks 0-13 10YR 2 1 100 13-24 2.5Y 5 1 73 10YR 4 6 25 С Μ VFSC very fine sandy clay 5GY 41 2 D Μ VFSC ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soil³: **Hydric Soil Indicators:** Polyvalue Below Surface (S8) (LRR R, MLRA 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histosol (A1) Coast Prairie Redox (A16)(LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Histic Epipedon (A2) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Loamy Mucky Mineral (F1) (LRR K, L) Black Histic (A3) Dark Surface (S7) (LRR K, M) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Redox Dark Surface (F6) **✓** Iron-Maganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Sandy Redox (S5)

Soil is black clay over depleted clay, meeting indicator A12. However, the dominant vegetation and lack of hydrology indicate the area is upland.

Stripped Matrix (S6)

Restrictive Layer (if observed):

Depth (inches):

Type:

Remarks:

Dark Surface (S7) (LRR R, MLRA 149B)

Very Shallow Dark Surface (TF12)

Other (explain in remarks)

Hydric Soil Present? Yes