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

SPP Project/Site:	City/County: _	Clearwater	Sampling Date:	2015-07-08	
Enbridge		Minneso	ta	CL006g2U	
Applicant/Owner:LEB/ACM		State:	Sampling Point:		
Investigator(s):		Section, Township, F	Range:		
Rise Landform (hillslope, terrace, etc.):		Local Relief (cor	VV ncave, convex, none):	0-2 Slope (%):	
Subregion (LRR or MLRA):	La	47.7169192722	-95.55348543 Longitude: Dat	Minnesota State	
180					
Soil Map Unit Name:			NWI Classification	on:	
Are climatic/hydrologic conditions on the	e site typical for this tin	ne of year? (if no, explain i	n Remarks):	Yes	
Are Vegetation No	No drology significar	ntly disturbed? Are "Norm	Yes al Circumstances" present?		
No No Are Vegetation, Soil, or Hydr	No				
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SUMMARY OF FINDINGS - Attach site	map showing samplin	g point locations, transec	ts, important features, etc.		
Hydrophytic Vegetation Present?	No	Is the Sampled	Area		
	No		No		
Hydric Soil Present?	— No	within a Wetla	nd?	-	
Wetland Hydrology Present?	No	If yes, optional	Wetland Site ID:		
Remarks: (Explain alternative procedure	es here or in a separate	report.)			
The upland sample point is located on a	bermed up rise betwe	en a roadside ditch wetlar	nd and another wetland in a hayfield.		
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (mi	nimum of two required)	
Primary Indicators (minimum of one is re	aguirad, chack all that s	unalu)			
Surface Water (A1)		ained Leaves (B9)	Surface Soil Cracks  Drainage Patterns (E		
High Water Table (A2)	Aquatic I	• •	Moss Trim Lines (B1		
Saturation (A3)	Marl Dep		Dry-Season Water T	<i>'</i>	
Water Marks (B1)				Crayfish Burrows (C8)	
Sediment Deposits (B2)	• •		•	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)				Stunted/Stressed Plants (D1)	
Algal Mat or Crust (B4)				Geomorphic Position (D2)	
Iron Deposits (B5)			Shallow Aquitard (D3	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7	) Other (E:	xplain in Remarks)	Microtopographic Re	Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8	)		FAC-Neutral Test (D5	)	
Field Observations:					
Surface Water Present?	No Dept	h (inches)			
Water Table Present?	No Dept	h (inches)			
Saturation Present?	Yes Dept	h (inches) 16	Wetland Hydrology Present?	<u>No</u>	
(includes capillary fringe)					
Describe Recorded Data (stream gauge,	monitoring well, aerial	photos, previous inspection	ons), if available:		
Remarks:					
Deep saturation is present; however, no	wetland hydrology inc	icators were observed.			

<b>VEGETATION</b> - Use scientific names of plants.  Sampling Point: CL006g2U							
·	Absolute	Dominant	Indicator	Dominance Test worksheet:			
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominant Species			
1				That Are OBL, FACW, or FAC: $\frac{0}{}$ (A)			
2				Total Number of Dominant			
				1			
3				Species Across All Strata: (B)			
4		<u> </u>		Percent of Dominant Species			
5			_	0 That Are OBL, FACW, or FAC:(A/B)			
6				Prevalence Index worksheet:			
7			_	Total % Cover of: Multiply by:			
	0	= Total Cover		OBL species <u>0.00</u> x 1 <u>0</u>			
Sapling/Shrub Stratum (Plot Size:)				FACW species <u>5.00</u> x 2 <u>10</u>			
1			_	FACU species 0.00 x 3 120			
2		_	_	UPL species 70.00 x 4 350			
3				Column Totals (A) (B)			
4			_	Prevalence Index = B/A = 4.5714285			
5		_	_	Hydrophytic Vegetation Indicators:			
6			_	1 - Rapid Test for Hydrophytic Vegetation			
7			_	no 2 - Dominance Test is > 50%			
	0	= Total Cover		<u>no</u> 3 - Prevalence Index is $\le 3.0^1$			
Herb Stratum (Plot Size: 5 ft )				4 - Morphological Adaptations <sup>1</sup> (Provide			
1. Bromus inermis	70.00	Yes	UPL	supporting data in Remarks or on a separate sheet)			
2. Poa pratensis	20.00	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
3. Cirsium arvense	5.00	No	FACU	_			
4. Solidago canadensis	5.00	No	FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
5. Phalaris arundinacea	5.00	No	FACW	Definitions of Vegetation Strata:			
6	·			_			
7			_	Tree - Woody plants 3 in. (.76 cm) or more in diameter at breast			
8				height (DBH), regardless of height.			
9				Sapling/Shrub - Woody plants less than 3 in. DBH and greater than			
10				or equal to 3.28 ft (1 m) tall.			
11.			_	Herb - All herbaeceous (non-woody) plants, regardless of size, and			
12.				woody plants less than 3.28 ft tall.			
	105	= Total Cover		Woody vines - All woody vines greater than 3.28 ft in height.			
Woody Vine Stratum (Plot Size:)							
1.							
2.				Hydrophytic			
3.	_			Vegetation Present?			
4.	_						
	0	=Total Cover		1			
Remarks: (include photo numbers here or on a separate shee	et.)	_					
The vegetation is dominated by smooth brome.	,						
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SOIL								Sampling Point: CL006g2U
	cription: (Describe to the Matrix	depth ne		e <b>indicato</b> Features	or or cor	ifirm th	e absence of in	dicators.)
Depth (inches) 0-12	Color (moist)	% 100	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture sicl	Remarks
12-24	2.5Y 3 1	- <del>100</del> 80					cl	
12-24	10YR 2 1	- <del>20</del>		- —			sicl	Mixed matrix.
		_ =		-				
-								-
				-			-	
		_						
		_		-				
			_					
<sup>1</sup> Type: C=Cor	ncentration, D=Depletion, RM	=Reduced M	atrix, MS=Masked Sand Gr	ains.				<sup>2</sup> Location: PL=Pore Lining, M=Matrix
Hydric Soil In	dicators:		Polyvalue Below	Surface (S	0\ <b>/I DD D</b>	MIDA	Indicators for	r Problematic Hydric Soil <sup>3</sup> :
☐ Histos	sol (A1)		149B)	Juliace (J	o, (LKK K	IVILINA	2 cm Mu	uck (A10) ( <b>LRR K, L, MLRA 149B</b> )
☐ Histic	Epipedon (A2)		Thin Dark Surface	e (S9) <b>(LRR</b>	R, MLRA	149B)	Coast Pr	rairie Redox (A16)( <b>LRR K, L, R</b> )
☐ Black	Histic (A3)		Loamy Mucky M	ineral (F1)	(LRR K, L	)	5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)
Hydro	ogen Sulfide (A4)		Loamy Gleyed M	atrix (F2)			Dark Sur	rface (S7) ( <b>LRR K, M</b> )
Stratif	fied Layers (A5)		Depleted Matrix	(F3)			Polyvalu	ue Below Surface (S8) (LRR K, L)
Deple Deple	ted Below Dark Surface (A11)		Redox Dark Surfa	ace (F6)			Thin Dar	k Surface (S9) (LRR K, L)
Thick	Dark Surface (A12)		Depleted Dark Su	urface (F7)			☐ Iron-Ma	ganese Masses (F12) (LRR K, L, R)
Sandy	Mucky Mineral (S1)		Redox Depressio	ns (F8)			Piedmon	nt Floodplain Soils (F19) (MLRA 149B)
Sandy	Gleyed Matrix (S4)						Mesic Sp	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy	Redox (S5)						Red Pare	ent Material (F21)
Stripp	ed Matrix (S6)						Very Sha	allow Dark Surface (TF12)
☐ Dark S	Surface (S7) (LRR R, MLRA 149	В)					Other (e	explain in remarks)
Restrictive La	yer (if observed):							

Hydric Soil Present? No

Type: \_

Remarks:

Depth (inches):

The soil is a dark silty clay loam underlain by clay loam.