WETLAND DETERMINATION DATA FORM - North Central and Northeast Region

SPP Project/Site:	City/County:	Clearwater		Sampling Date:	2015-07-08	
Enbridge		М	innesota		CL006f1U	
Applicant/Owner:LEB/ACM		State:		Sampling Point:		
Investigator(s):		Section, Town	nship, Range:			
rise Landform (hillslope, terrace, etc.):		_ Local Rel	ief (concave, con	Conve vex, none):	0-2 Slope (%):	
Subregion (LRR or MLRA):		47.7159263	100	-95.54496942		
180						
Soil Map Unit Name:				NWI Classification	on:	
Are climatic/hydrologic conditions on th	e site typical for this ti	me of year? (if no, ex	kplain in Remarks):	Yes	
Are Vegetation No	No ydrology significa	antly disturbed? Are	"Normal Circums	Yes stances" present?		
No No	No					
Are Vegetation, Soil, or Hyd	rology naturally	problematic? (If nee	eded, explain any	answers in Remarks)		
SUMMARY OF FINDINGS - Attach site	e map showing sampli	ing point locations, t	ransects, importa	ant features, etc.		
	No			·		
Hydrophytic Vegetation Present?	— No	Is the Sa	mpled Area	No		
Hydric Soil Present?		within a	Wetland?			
Wetland Hydrology Present?	No	If yes, op	If yes, optional Wetland Site ID:			
Remarks: (Explain alternative procedure	es here or in a separat	e report.)				
The upland sample point is located ups	lope from the wetland	l drainage swale in a	hayed field.			
HYDROLOGY						
Wetland Hydrology Indicators:				Secondary Indicators (min	nimum of two required)	
Primary Indicators (minimum of one is r	equired: check all that	annly)		Surface Soil Cracks (
Surface Water (A1)		Stained Leaves (B9)		Drainage Patterns (B	·	
High Water Table (A2)		Fauna (B13)		Moss Trim Lines (B10	·	
Saturation (A3) Marl Depo		eposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidize	ed Rhizospheres on Living	Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Drift Deposits (B3) Presence o			Stunted/Stressed Plants (D1)		
Algal Mat or Crust (B4)	Algal Mat or Crust (B4) Recent Iron		Soils (C6)	Geomorphic Position	Geomorphic Position (D2)	
	Iron Deposits (B5) Thin Muck S				Shallow Aquitard (D3)	
		Explain in Remarks)	in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B8 Field Observations:	3)			FAC-Neutral Test (D5)	
Surface Water Present?	No Den	oth (inches)				
Water Table Present?		oth (inches)				
Saturation Present?		oth (inches)		Wetland Hydrology Present?	No	
(includes capillary fringe)	·			,		
Describe Recorded Data (stream gauge,	monitoring well, aeria	Il photos, previous in	spections), if avai	lable:		
Remarks:						
No indicators of wetland hydrology wer	re observed.					

VEGETATION - Use scientific na	mes of plants.			Sampling Point: CL006f1U		
	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot Size:) % Cover	Species?	Status	Number of Dominant Species		
1				That Are OBL, FACW, or FAC: 0 (A)		
2				Total Number of Dominant		
				2		
3				Species Across All Strata: (B)		
4				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 0.00 x 1 0		
Sapling/Shrub Stratum (Plot Size:		_		FACW species 0.00 x 2 0		
1.				FACU species 0.00 x 3 228		
2				UPL species 42.00 x 4 210		
3			_	Column Totals 99 (A) 438 (B)		
4		_	_	Prevalence Index = B/A = 4.4242424		
5			-	Hydrophytic Vegetation Indicators:		
6		_	_	- ' ' ' '		
0		_		1 - Rapid Test for Hydrophytic Vegetation		
7	0	- Total Cover	_	no 2 - Dominance Test is > 50% no 3 - Prevalence Index is $\leq 3.0^{1}$		
Herb Stratum (Plot Size: 5 ft		_ = Total Cover				
Bromus inermis	40.00	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
Poa pratensis	30.00	Yes	FACU	Public motio Hudrophytic Vegetation 1 (5, 1111)		
Z	10.00		_	Problematic Hydrophytic Vegetation ¹ (Explain)		
Phleum pratense	10.00	No No	FACU FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless		
Trifolium pratense	5.00	No No		disturbed or problematic.		
Medicago sativa		No No	UPL FACU	_ Definitions of Vegetation Strata:		
7 Trifolium repens		No No		-		
7.	2.00	_ No	FACU	Tree - Woody plants 3 in. (.76 cm) or more in diameter at breast height (DBH), regardless of height.		
8			_	-		
9				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				-		
	99	_ = 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				
Remarks: (include photo numbers here o	r on a separate sheet.)					
The vegetation is dominated by smooth b	rome and Kentucky bluegrass.					

SOIL							Sampling Point: CL006f1U	
Profile	e Description: (Describe to the	depth needed to	document the	indicator o	or confirm t	ne absence of in	ndicators.)	
Depth	Matrix		Redox Features					
(inche			olor (moist)	% T ₁	ype ¹ Loc ²	Texture	Remarks	
0-24	10YR 2 1	100				sil		
							-	
						_		
				_		-		
						-		
¹ Type:	C=Concentration, D=Depletion, RM=F	Reduced Matrix, M	S=Masked Sand Gr	ains.		-	² Location: PL=Pore Lining, M=Matrix.	
Hydric	Soil Indicators:	,				Indicators fo	r Problematic Hydric Soil ³ :	
	Histosol (A1)		Polyvalue Below 149B)	Surface (S8) (LRR R, MLRA	2 cm M	uck (A10) (LRR K, L, MLRA 149B)	
	Histic Epipedon (A2)		Thin Dark Surfac	e (S9) (LRR R,	MLRA 149B)	Coast P	rairie Redox (A16)(LRR K, L, R)	
	Black Histic (A3)		Loamy Mucky M	ineral (F1) (LR	R K, L)	5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)	
	Hydrogen Sulfide (A4)		Loamy Gleyed M	latrix (F2)		Dark Su	rface (S7) (LRR K, M)	
	Stratified Layers (A5)		Depleted Matrix	(F3)		Polyvalu	ue Below Surface (S8) (LRR K, L)	
	Depleted Below Dark Surface (A11)		Redox Dark Surfa	ace (F6)		Thin Dar	rk Surface (S9) (LRR K, L)	
	Thick Dark Surface (A12)		Depleted Dark Su	urface (F7)		Iron-Ma	aganese Masses (F12) (LRR K, L, R)	
	Sandy Mucky Mineral (S1)		Redox Depressio	ons (F8)		Piedmor	nt Floodplain Soils (F19) (MLRA 149B)	
	Sandy Gleyed Matrix (S4)					Mesic Sp	oodic (TA6) (MLRA 144A, 145, 149B)	
	Sandy Redox (S5)					Red Par	rent Material (F21)	
	Stripped Matrix (S6)					☐ Very Sh	allow Dark Surface (TF12)	
	Dark Surface (S7) (LRR R, MLRA 149B)				Other (e	explain in remarks)	
Restric	tive Layer (if observed):							
	pe:						- No	
	Depth (inches):					Hydric Soil Present	?? 140	
D	1							

The soil is dark and silty throughout the profile.