WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R									Date:	10/02/14				
Applicant: Enbridge										Red Lake				
Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56					State:	MN				
Soil Unit:	159A						ation:							
Landform: Side slope Local Relief: VL Sample Point: u-151n42w15-y1														
Slope (%): 3 - 7% Latitude: 47.903566 Longitude: -96.018790 Datum:														
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)														
Are Vegetation							circumstances p	present?	Township:					
Are Vegetation		🖵 or Hydrology	□aturally p	roblematic?		7	Yes □No		Range:	Dir:				
SUMMARY OF FINDINGS Hydrophytic Vegetation Present? No Hydric Soils Present? No														
	•		No		-			oils Present?						
Wetland Hyd	rology Prese	nt?	No				Is This Sampling Point Within A Wetland? No							
Remarks: The upland sample point is located upslope from the wetland in a large hay field.														
HYDROLOG	Y													
Wetland Hv	droloav Ind	icators (Check all	that apply:	Minimum of or	e primary c	or two secondary	required):							
Primary:						· · · · · · ,	,	Secondary:						
A1 - Surface Water					B11 - Salt C				B6 - Surface S					
	A2 - High Wa				B13 - Aquat					/egetated Concave Surface				
	A3 - Saturatio B1 - Water M					en Sulfide Odor ason Water Table			B10 - Drainage	e Patterns Rhizospheres on Living Roots (ti	(bolli			
	B1 - Water W B2 - Sedimen				C2 - DIV Sei	ed Rhizospheres on	Living Roots (not	Hilla 🗖	C3 - Oxidized C8 - Crayfish E		med)			
	B3 - Drift Dep				C4 - Presen	ce of Reduced Iron	Living 10003 (not			Visible on Aerial Imagery				
	B4 - Algal Ma				C7 - Thin M				D2 - Geomorp					
	B5 - Iron Dep				Other (Expla	ain)			D5 - FAC-Neu					
		n Visible on Aerial Im	agery						D7 - Frost-Hea	ved Hummocks (LRR F)				
	B9 - Water-Si	ained Leaves												
Field Observ		_												
Surface Wate		_		oth:			Wetland	Hydrology	Present?	N				
Water Table		Yes 🔲	Dep	oth:						<u> </u>				
Saturation Pr	esent?	Yes 🛛	Dep	oth:										
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:														
Describe Reco	orded Data (s	tream gauge, moni	itoring well, a	erial photos, pr	evious inspe	ections), if availabl	e:							
			-				e:							
Describe Reco Remarks:		stream gauge, monit or secondary indic	-				e:							
			-				e:							
Remarks: SOILS	No primary		ators of we	land hydrology	were obse	erved.								
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to doo	land hydrology	were obse	rved.	e of indicators.)							
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Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	eded to doc atrix, CS=Cove	land hydrology	were obse	rved.	e of indicators.)							
Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	eded to doo	land hydrology	v were obse cator or cor Grains; Locatio	nfirm the absence	e of indicators.) /=Matrix)	1 Texture		Remarks				
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-y1				
VEOETATIO									
VEGETATION	N (Species identified in all uppercase are Plot size: 30 ft. radius)	e non-native	species.)						
(Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: <u>3</u> (B)				
5.									
6. 7.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)				
7. 8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					$\frac{1}{OBL \text{ spp.}} 0 \qquad \text{x 1} = 0$				
	Total Cover =	0			FACW spp. 0 $x 2 = 0$				
					FAC spp. 0 $x 3 = 0$				
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 40 x 4 = 160				
1.					UPL spp. 60 x 5 = 300				
2.									
3.					Total <u>100</u> (A) <u>460</u> (B)				
4.									
5.					Prevalence Index = B/A = 4.600				
6.									
7.					I haden what is Managartian Indiana ann				
8.					Hydrophytic Vegetation Indicators:				
9. 10.					Rapid Test for Hydrophytic Vegetation				
10.	Total Cover =	0			Dominance Test is > 50% Prevalence Index is ≤ 3.0 *				
		0	_		Morphological Adaptations (Explain) *				
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Bromus inermis	40	Y	UPL					
2.	Poa pratensis	30	Y	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Medicago sativa	20	Y	UPL	present, unless disturbed or problematic.				
4.	Cirsium arvense	10	Ν	FACU	Definitions of Vegetation Strata:				
5.									
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.					height (DBH), regardless of height.				
8.					• U. (• U.). Marcharlante lass than 0 in DDU as southers of brinkt				
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.									
11. 12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
12.									
13.									
15.				-	Woody Vines - All woody vines, regardless of height.				
	Total Cover =	100							
Woody Vine Str	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.	ļ				Hydrophytic Vegetation Present? N				
5.									
4.									
Pomorko	Total Cover = The vegetation is dominated by non-hydroph		20						
Remarks:	The vegetation is dominated by non-nydroph	ylic specie	:5.						
Additional Remarket									
Additional Remarks:									