WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/03/14		
Applicant: Enbridge											Red Lake		
Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56							MN		
Soil Unit:	139A						Classification			-			
	Side slope				cal Relief:					Sample Point	u-151n42w15-ff1		
Slope (%):	0 - 2%		Latitude: 47.9		Longitude:			Datum:		1			
-	, ,	nditions on the site			ar? (If no, exp				□ No	Section:			
Are Vegetatio		G or Hydrology				Are	normal circun	•	esent?	Township:			
Are Vegetation		🖵 or Hydrology	Liturally pr	oblematic?			Yes	□No		Range:	Dir:		
SUMMARY C													
Hydrophytic V	-		No						ls Present?				
Wetland Hyd			No	<u> </u>			C 11	Is This Sar	mpling Poin	nt Within A W	etland? No		
Remarks:	I ne upland	sample point is loo	cated upslop	e from the we	liand in a li	arge nay	tield.						
HYDROLOG	Y												
Wetland Hy	drology Ind	icators (Check all	that apply; N	linimum of on	e primary o	or two se	condary requi	red):					
Primary:				_					Secondary:				
	A1 - Surface				B11 - Salt 0 B13 - Aqua					B6 - Surface S		_	
	A2 - High Wa A3 - Saturatio									B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns			
	B1 - Water Ma									C3 - Oxidized Rhizospheres on Living Roots (tilled)			
	B2 - Sedimen			C3 - Oxidized Rhizospheres on Living Roots (not tille							C8 - Cravfish Burrows		
	B3 - Drift Dep				C4 - Preser					C9 - Saturation	Visible on Aerial Imagery		
	B4 - Algal Ma B5 - Iron Dep			C7 - Thin Muck Surface						D2 - Geomorphic Position D5 - FAC-Neutral Test			
		n Visible on Aerial Im	agery			airi)					aved Hummocks (LRR F)		
	B9 - Water-St								_		()		
Field Observ	vations:												
Surface Wate	er Present?	Yes 🛛	Dept	h:	(in.)			Matlend I	lu due le au cl	Dues sur 40	N		
Water Table	Present?	Yes 🛛		h:				wetland F	lydrology	Present?	Ν		
Saturation Pr	resent?	Yes 🛛		h:	(in.)								
Describe Reco	orded Data (s	stream dauge monit	itoring well as	rial nhotos nr	vious insp	ections) i	if available:						
		stream gauge, monit	-		-	-	if available:						
Describe Reco Remarks:		stream gauge, moni or secondary indic	-		-	-	if available:						
Remarks:			-		-	-	if available:						
Remarks: SOILS	No primary		ators of wetl	and hydrology	were obse	erved.		ndicators.)					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	and hydrology	were observed a second	erved.	e absence of ir						
Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	eded to docu	and hydrology	were observed a second	onfirm the	e absence of ir re Lining, M=Mate						
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	and hydrology ument the indi ed/Coated Sand (cator or co Grains; Locat	erved. Infirm the ion: PL=Po Mottle	e absence of ir ore Lining, M=Matr	rix)					
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18 NRCS Hydr	No primary ption (Descri ntration, D=Depl Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 	eded to docu eded to docu atrix, CS=Cover % 100 100 eck here if ir	and hydrology iment the indi ed/Coated Sand (Color (()) indicators are r S5 - Sandy R S6 - Stripped F1 - Loamy M	Were observations of the second secon	Mottle	e absence of ir rre Lining, M=Matr ss Type	Location	SIL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark Si	luck (LRR I, J) Prairie Redox (urface (LRR G)	2 <u>Soils1</u> LRR F, G, H)		
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-ff1
	· · · · · · · · · · · · · · · · · · ·				
VEGETATION	(Species identified in all uppercase ar Plot size: 30 ft. radius)	e non-native	species.)		
Tree Stratum (<u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.		<u></u>			
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 3 (B)
5.					
6.					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.					OBL spp. 0 x 1 = 0
	Total Cover =	0			FACW spp. 0 x 2 = 0
					FAC spp. 0 $\times 3 = 0$
	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 x 4 = 200 UPL spp. 50 x 5 = 250
1. 2.	<u> </u>				UPL spp. $50 \times 5 = 250$
3.	<u> </u>				Total 100 (A) 450 (B)
<u> </u>					
5.	<u> </u>				Prevalence Index = B/A = 4.500
6.					
7.					
8.	·				Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
	Total Cover =	0			Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Medicago sativa	25	Y	UPL	
2.	Trifolium pratense	25	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Bromus inermis	25	Y	UPL	present, unless disturbed or problematic.
4.	Poa pratensis	15	N	FACU	Definitions of Vegetation Strata:
5.	Taraxacum officinale	10	N	FACU	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7. 8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
				-	
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.				-	Woody Vines - All woody vines, regardless of height.
	Total Cover =	100			
	atum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? N
5.	<u> </u>				
4.	Total Cover =	0			
Remarks:	The vegetation is dominated by non-hydroph		es.		
		, 0,0000			
Additional B	amarka				
Additional R	ซากลางจ.				
L					