WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/03/14		
Applicant: Enbridge										County:	Red Lake		
Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56						State:	MN		
Soil Unit:	131A						Classification:						
Landform: Talf Local Relief: LL Sample Point: u-151n42w15-dd1													
Slope (%): 0 - 2% Latitude: 47.900615 Longitude: -96.017651 Datum: Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Image: Climatic (Angelian in remarks) Image: Climatic (Angelian in remarks) Section:													
								⊡Yes		Section:			
Are Vegetatio					e normal circumstances present?			Township:					
Are Vegetation		📮 or Hydrology	☐aturally p	problematic?			🗹 Yes	□No		Range:	Dir:		
SUMMARY OF FINDINGS													
Hydrophytic \	Vegetation P	resent?	No	No			Hydric Soils Present?			Yes			
Wetland Hydrology Present?				No			Is This Sampling Poin			nt Within A We	etland? No		
Remarks:	The upland	sample point is loo	cated upslo	pe from the v	vetland in a l	arge catt	le pasture.						
HYDROLOG	Y												
Wetland Hy	droloav Ind	icators (Check all	that apply:	Minimum of	one primary	or two se	condary requi	red):					
Primary:			anac appij,		sile pilliai j	0	, een aan ji requi	00).	Secondary:				
									B6 - Surface S	oil Cracks			
	A2 - High Wa				🔄 B13 - Aqua						/egetated Concave Surface		
	A3 - Saturatio				C1 - Hydro								
	B1 - Water M B2 - Sedimen				C2 - Dry Se	eason wat	pheres on Living	Dooto (not til		C3 - Oxidized I C8 - Crayfish E	Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen B3 - Drift Dep				C3 - Oxidiz	nce of Red	fuced from				Visible on Aerial Imagery		
	B4 - Algal Ma				C7 - Thin N					D2 - Geomorpl			
	B5 - Iron Dep			I	Other (Exp	lain)				D5 - FAC-Neut			
		on Visible on Aerial Im	nagery							D7 - Frost-Hea	ved Hummocks (LRR F)		
	B9 - Water-S	tained Leaves											
Field Observ													
Surface Wate		_	Dej	pth:	(in.)			Wetland H	Hydrology	Present?	Ν		
Water Table		Yes 🛛	De	pth:	(in.)			monunu	i yaiology i		<u> </u>		
Saturation Pr	esent?	Yes 🛛	Dej	pth:									
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Reco	orded Data (s	stream gauge, moni	itoring well, a	aerial photos,	previous insp	ections),	if available:						
			-	-			if available:						
		stream gauge, monit or secondary indic	-	-			if available:						
			-	-			if available:						
Remarks: SOILS	No primary		cators of we	etland hydrolo	gy were obse	erved.		dicators.)					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to doo	tland hydrolo	gy were obso	erved.	e absence of in						
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Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to doo	tland hydrolo	gy were obso	erved.	e absence of in ore Lining, M=Matr						
Remarks: SOILS Profile Descri	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced Ma	eeded to doo	cument the in ered/Coated Sar	gy were obso	erved. Onfirm the tion: PL=Po	e absence of in ore Lining, M=Matr		Texture		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doo atrix, CS=Cove	cument the in ered/Coated Sar	gy were obso dicator or cc d Grains; Locat	erved. onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)	Texture		Remarks		
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-dd1				
VEGETATIO	N (Species identified in all uppercase an (Plot size: 30 ft. radius)	e non-native	species.)						
Thee Stratum	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: 2 (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. <u>15</u> X 1 = <u>15</u>				
	Total Cover =	0	_		FACW spp. 5 x 2 = 10				
					FAC spp. 5 X 3 = 15				
	Stratum (Plot size: 15 ft. radius)				FACU spp. 60 x 4 = 240				
1.					UPL spp. 15 X 5 = 75				
2.									
3.					Total 100 (A) 355 (B)				
4.									
5.					Prevalence Index = B/A = <u>3.550</u>				
6.									
7.					I hadne what die Maara de die aan die adaaraa				
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 ((Plot size: 5 ft. radius) Phleum pratense	30	Y	EACU	Problem Hydrophytic Vegetation (Explain) *				
2.	Poa pratensis		Y	FACU FACU	* Indicators of hydric soil and wetland hydrology must be				
<u>2.</u> 3.	Bromus inermis	20 15	N T	UPL	present, unless disturbed or problematic.				
<u> </u>	Trifolium pratense	15	N	FACU	Definitions of Vegetation Strata:				
	Carex pellita	10	N	OBL	Demittions of Vegetation Strata.				
6	Carex granularis	5	N	OBL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Juncus tenuis	5	N	FAC	height (DBH), regardless of height.				
8.	Agrostis gigantea	5	N	FACW					
9.		Ū		171011	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.									
11.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.	j								
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	100							
Woody Vine St	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
	Total Cover =	0							
Remarks:	The vegetation is dominated by non-hydroph	ytic specie	es and has	been gra	zed.				
Additional Remarks:									
<u> </u>									