## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/01/14
Applicant:		Enbridge								County:	Red Lake
Investigators		LEB/DGL			Subregion	n (MI RA	or LRR).	MLRA 56		State:	MN
Soil Unit:	I39A	LLD/D OL	<u> </u>		Cubi ogioi	•	Classification:			Olulo.	
					! D-1:-4.		Ciassification				45440450
Landform:	Talf				cal Relief:					Sample Point:	u-151n42w15-a2
Slope (%):	0 - 2%		Latitude: 47.90		Longitude:			Datum:			
Are climatic/	hydrologic co	nditions on the site	e typical for th	is time of yea	ar? (If no, exp	olain in remar	rks)	⊡Yes	□ No	Section:	
Are Vegetati	on 🗆 Soi	☐ or Hydrology	□gnificantly	/ disturbed?		Are	normal circun	nstances pr	esent?	Township:	
Are Vegetati		or Hydrology						□No		Range:	Dir:
			Laturally pro	bilematic:			<b>1</b> 103			Range.	DII.
SUMMARY (											
Hydrophytic	Vegetation P	resent?	No		_			Hydric Soi	Is Present?	No No	
Wetland Hyd	Irology Prese	nt?	No		_			Is This Sa	mplina Poir	nt Within A W	etland? <b>No</b>
Remarks:		sample point is lo		from the roa	dside ditc	h wetland	l in a flat area				
	riio apiaila	cample point io io	outou apolope					o. a .a. go o	attio paotai	·	
<b>HYDROLOG</b>	Υ										
Wetland Hy	drology Ind	icators (Check all	that annly: M	inimum of on	e nrimary	or two se	condary requi	red).			
		icators (Oncor an	triat apply, ivi	illilliaili oi oil	C primary	OI TWO 3C	condai y requi	icu).	Cocondon		
Primary		Notor			D11 Calt	Crust			Secondary	B6 - Surface S	toil Cracks
	□ A1 - Surface Water □ B11 - Salt Crust □ A2 - High Water Table □ B13 - Aquatic Fauna										
_	A2 - High Wa						. 04				Vegetated Concave Surface
	A3 - Saturatio				C1 - Hydro					B10 - Drainage	
	B1 - Water M				C2 - Dry Se			D 1 - / 1 121			Rhizospheres on Living Roots (tilled
	B2 - Sedimen						pheres on Living	Roots (not til		C8 - Crayfish E	
	B3 - Drift Dep				C4 - Prese						Nisible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin N		ce			D2 - Geomorp	
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu	
		n Visible on Aerial Im	agery							D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-S	ained Leaves									
Field Obser	vations:										
	er Present?	Yes 🗆	Donth		(in.)						
			Depti	ı:	(111.)			Wetland F	lydrology	Present?	N
Water Table		Yes	Depth	1:	(in.)				, ,,		
Saturation P	resent?	Yes	Depth	1.	(in.)						
Cataration	Cociit:		БСРП	·	(111.)						
				-	,	octions) i	if available:				
Describe Rec	orded Data (s	stream gauge, moni	itoring well, ae	rial photos, pr	evious insp		if available:				
	orded Data (s		itoring well, ae	rial photos, pr	evious insp		if available:				
Describe Rec	orded Data (s	stream gauge, moni	itoring well, ae	rial photos, pr	evious insp		if available:				
Describe Rec	orded Data (s	stream gauge, moni	itoring well, ae	rial photos, pr	evious insp		if available:				
Describe Rec Remarks:	orded Data (s	stream gauge, moni	itoring well, ae cators of wetla	rial photos, pro	evious insp	erved.		ndicators.)			
Describe Rec Remarks: SOILS Profile Descr	orded Data (s  No primary  iption (Descr	stream gauge, moni or secondary indicates be to the depth ne	itoring well, ae cators of wetla	rial photos, prond hydrology	evious insp were obs	erved.	e absence of ir				
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Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description, D=Depl	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)	eded to docu atrix, CS=Covere	ment the indi	evious insp were obs cator or co Grains; Local	onfirm the tion: PL=Po  Mottle	e absence of in ore Lining, M=Matr ors Type	Location	SICL		Remarks
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Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-14 14-18  NRCS Hydi	orded Data (s No primary  iption (Descr ntration, D=Depi  Hue_10YR Hue_10YR  data = 10   10   10   10   10   10    A1- Histosol A2 - Histic Ep	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1 4/3  Indicators (chippedon	eded to docuetrix, CS=Covere  % 100 95	ment the indi d/Coated Sand  Color (i  Hue_10YR  dicators are r  S5 - Sandy R  S6 - Stripped	evious insperience de la constitución de la constit	months and the served.  Mottle  5  tt):	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators A9 - 1 cm M A16 - Coast	luck (LRR I, J) t Prairie Redox (	c Soils¹ (LRR F, G, H)
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-a2				
<b>VEGETATION</b>	N (Species identified in all uppercase are	e non-native	species.)						
	Plot size: 30 ft. radius)		<u>'</u>						
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet				
1.	Quercus macrocarpa	25	Υ	FACU					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)				
3.					Trained of Bollimark operior that are OBE, 1770W, of 1770.				
					T. (1) (D. (1)				
4.					Total Number of Dominant Species Across All Strata: 3 (B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.									
10.		05			· · · · · · · · · · · · · · · · · · ·				
	Total Cover =	25	_		FACW spp. $10$ $\times$ $2 = 20$				
					FAC spp. $0   x   3 = 0$				
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 115 x 4 = 460				
1.					UPL spp. 0 x 5 = 0				
2.									
3.					Total 125 (A) 480 (B)				
4.					. 5.5.1 120 (r) 100 (D)				
					Duration later DA 500				
5.					Prevalence Index = B/A = 3.840				
6.	<u> </u>								
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					Dominance Test is > 50%				
10.	Total Cause -	0							
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Phleum pratense	25	Υ	FACU					
2.	Poa pratensis	25	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Trifolium hybridum	15	N	FACU	present, unless disturbed or problematic.				
4.	Taraxacum officinale	15	N	FACU	Definitions of Vegetation Strata:				
					Definitions of Vegetation offata.				
5.	Agrostis gigantea	10	N	FACW	<b>-</b>				
6	Achillea millefolium	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Melilotus officinalis	5	N	FACU	height (DBH), regardless of height.				
8.									
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.				
					Help = 7 in horsesses (non mosely) plants, regulations of oiles.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	100							
			_						
Woody Vine St	ratum (Plot size: 30 ft. radius)								
	latum (Flot size. 30 ft. faulus)								
1.				_					
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
	Total Cover =	0							
Remarks:	The vegetation is dominated by non-hydroph		e and has	heen ara	7ed				
remarks.	The regetation is dominated by non-nydropin	ytic specie	o and nas	been gra	eca.				
Additional R	Remarks:								