## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/02/14	
Applicant:		Enbridge								County:	Red Lake	
Investigators	·		Subregion (MLRA			or LRR): MLRA 56			State:	MN		
Soil Unit:										Otato.		
					aal Daliafi		nassilication.			0	450=444 =4	
Landform:	Footslope				cal Relief:					Sample Point:	u-150n41w1-c1	
Slope (%):	3 - 7%		Latitude: 47			-95.85588		Datum:				
Are climatic/	hydrologic co	nditions on the site	e typical for	r this time of ye	ar? (If no, expl	olain in remarks	s)	<b></b> Yes	□ No	Section:		
Are Vegetati	on 🗆 Soi	☐ or Hydrology	□anificar	ntly disturbed?		Are n	normal circum	stances pro	esent?	Township:		
Are Vegetati		or Hydrology						□No		Range:	Dir:	
			Liturally	problematice			<u> </u>			Range.	DII.	
SUMMARY (												
Hydrophytic	Vegetation P	resent?	No	)				Hydric Soi	Is Present?	No		
Wetland Hyd	drology Prese	nt?	No	)	_			Is This Sar	mplina Poin	t Within A We	etland? <b>No</b>	
Remarks:		sample point is lo			nated by sn	mooth bron	me and quach		1 5			
rtcinarto.	The apiana	oumpie point is lot	oatea iii a g	grassiana aoni	nated by on	noour bron	ne ana quaci	rgrass.				
<b>HYDROLOG</b>	Υ											
Wotland Hy	drology Ind	icators (Check all	that apply:	Minimum of or	oo primary (	or two sec	ondary requi	od).				
		icators (Crieck all	i tilat apply,	, iviii iii iiii iii ii ii ii ii	ie primary c	OI TWO SECT	oriuary requii	eu).	0			
Primary		Notor			D11 Calt C	Or not			Secondary:		oil Crooks	
	A1 - Surface							B6 - Surface Soil Cracks B8 - Sparsely Vegetated Concave Surface				
_	A2 - High Wa						04					итасе
	A3 - Saturatio				C1 - Hydrog					B10 - Drainage		- Daata (#III.ad)
	B1 - Water M				C2 - Dry Se			D ( ( ( - ( ) ) )			Rhizospheres on Living	g Roots (tilled)
	B2 - Sedimen						neres on Living	ROOTS (not till		C8 - Crayfish E		
	B3 - Drift Dep										Visible on Aerial Imag	gery
	B4 - Algal Ma				C7 - Thin M		Э			D2 - Geomorpi		
	B5 - Iron Dep				Other (Expla	lain)				D5 - FAC-Neut		
		n Visible on Aerial Im	nagery							D7 - Frost-Hea	ived Hummocks (LRR	(F)
	B9 - Water-S	ained Leaves										
Field Obser	vations:											
Surface Wat	er Present?	Yes 🔲	De	epth:	(in.)							
		=	DC	.ptii	_ (iii.)			Wetland F	łydrology i	Present?	N	
Water Table				epth:								
Saturation P	resent?	Yes $\square$	De	epth:	(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Rec	orded Data (	tream gauge moni	itoring well	aerial nhotos ni		ections) if:	available:					
						ections), if	available:					
Describe Rec Remarks:		stream gauge, moni rs of wetland hydro				ections), if	available:					
Remarks:						ections), if	available:					
Remarks:	No indicato	rs of wetland hydro	ology were	observed.	evious inspe	·						
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were	observed.	evious inspe	onfirm the a	absence of in					
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Remarks:  SOILS Profile Descr (Type: C=Conce)  Depth (In.) 0-12 12-18  NRCS Hydi	No indicato iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  3/2  4/3  Indicators (ch	eeded to do atrix, CS=Cov	observed.  cument the ind rered/Coated Sand  Color (  Col	icator or co Grains; Locati  Moist)  not present	onfirm the a cion: PL=Pore Mottles %	absence of in e Lining, M=Matr Type	Location	SL FS Indicators f A9 - 1 cm M	uck (LRR I, J)	: Soils¹	
Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-12 12-18  NRCS Hydr	No indicato iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  3/2 4/3  Indicators (ch	eeded to do atrix, CS=Cov	observed.  cument the independence of content of conten	icator or co Grains; Locati  Moist)  not present	Mottles %	absence of in e Lining, M=Matr Type	Location	Indicators f A9 - 1 cm M A16 - Coast	uck (LRR I, J) Prairie Redox (	: Soils¹	
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Remarks:  SOILS Profile Descr (Type: C=Conce	No indicato iption (Descritation, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  3/2 4/3  Indicators (chairs)	eeded to do atrix, CS=Cov	observed.  comment the ind ered/Coated Sand  Color (  Col	icator or co Grains; Locati  Moist)  not present Redox I Matrix Mucky Minera	onfirm the action: PL=Pore  Mottles  %  t):	absence of in e Lining, M=Matr Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St	uck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio	<del>: Soils <sup>1</sup></del> LRR F, G, H)	73)
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n41w1-c1
VEGETATION		non-native	species.)		
Tree Stratum (	Plot size: 30 ft. radius)				
	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:(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 x 3 = 0
Sanling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 x 4 = 200
1.	Stratum (Flot Size. 13 it. radius)				UPL spp. 50 x 5 = 250
2.					5. 2 opp
3.					Total 100 (A) 450 (D)
					Total 100 (A) 450 (B)
4.					Description of Index - D/A - 4.500
5.					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 (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Bromus inermis	50	Υ	UPL	
2.	Elymus repens	30	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Dactylis glomerata	15	N	FACU	present, unless disturbed or problematic.
4.	Cirsium arvense	5	N	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.				-	
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.
13.					
14.				_	
15.					Woody Vines - All woody vines, regardless of height.
10.	Total Course	100			Floory Filles,,
	Total Cover =	100	_		
	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? N
5.	ļ				
4.				_	
	Total Cover =	0			
Remarks:	The upland sample point is dominated by sm	ooth brom	e and qua	ickgrass.	
Additional R	Remarks:				
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