## 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:	159A						Classification:					
	Local Relief: LL Sample Point: u-151n42w15-gg1   Slope (%): 0 - 2% Latitude: 47.900893 Longitude: -96.020269 Datum:											
Slope (%):	0 - 2%		Latitude: 47.90					Datum:				
		nditions on the site			al ? (If no, exp			⊡Yes		Section:		
Are Vegetati							normal circumstances present? ☑ Yes □No			Township:		
Are Vegetati		G or Hydrology		bbiematic?			⊡ res			Range:	Dir:	
			Ne					Hudria Sail	o Drocont?	Vaa		
Hydrophytic Vegetation Present? Wetland Hydrology Present?				No			Hydric Soils Present? Is This Sampling Poin				etland? No	
Remarks:	The unland	sample point is lo		from the we	tland in a l	arge cattle	e nasture	15 1115 34	nping Poin			
rtemarko.				. nom the we		arge outin	e public.					
HYDROLOG	Y											
		icators (Chook all	that apply: M	inimum of or	o primonu	or two cor	oondony roqui	rod):				
Primary		icators (Check all	i that apply, w		le primary o	or two sec	condary requir	eu):	Secondary:			
	A1 - Surface \	Nater		B11 - Salt Crust						B6 - Surface S	oil Cracks	
	A2 - High Wa				B13 - Aqua						/egetated Concave Surface	
	A3 - Saturatio B1 - Water Mater Mater Mater Mater Materia										Patterns Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen			H	C2 - Dry Se	ed Rhizosn	oheres on Living	Roots (not till		C8 - Crayfish E		
	B3 - Drift Dep				C4 - Preser	nce of Redu	uced Iron				Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin M		ce			D2 - Geomorp		
	B5 - Iron Dep	osits In Visible on Aerial Im	2000/		Other (Expl	lain)				D5 - FAC-Neu	ral Test wed Hummocks (LRR F)	
	B9 - Water-St		lagely							DI - FIOSI-HEA	Neu Hummocks (LRR F)	
_												
Field Obser	vations:											
Surface Wat	er Present?	Yes 🛛	Depth	:	(in.)			\A/- 4		<b>D</b>		
Water Table	Present?	Yes 🛛	Depth	:	(in.)			Wetland H	iyarology i	Present?	N	
Saturation P	resent?	Yes 🛛	Depth		(in.)						—	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Rec	orded Data (s	stream gauge, moni	itoring well, ae	rial photos, pr	evious insp	ections), if	f available:					
			-		-		f available:					
Describe Rec Remarks:		stream gauge, moni or secondary indic	-		-		f available:					
Remarks: SOILS	No primary	or secondary indic	cators of wetla	ind hydrolog	y were obse	erved.						
Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to docu	ment the ind	y were obse	erved.	absence of in					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to docu	ment the ind	y were obse	erved.	absence of in					
Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	eeded to docu	ment the ind	y were obse	onfirm the	absence of in re Lining, M=Matr					
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	cators of wetla	ment the ind	y were obse icator or co Grains; Locat	erved. onfirm the tion: PL=Por Mottles	absence of in re Lining, M=Matr S	ix)	Texture		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-14	No primary iption (Descrintration, D=Depl Hue_10YR Hue_10YR	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/1	eeded to docu atrix, CS=Covere % 100 100	ind hydrology ment the ind d/Coated Sand Color (	y were obse icator or co Grains; Locat	erved. onfirm the tion: PL=Por Mottles	absence of in re Lining, M=Matr S	ix)	SIL SIL		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-14 14-18 NRCS Hydr	No primary iption (Descrintration, D=Depletion) Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Al- Histosol A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogen	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/1 4/2 Indicators (ch ipedon stic n Sulfide	eeded to docu atrix, CS=Covere % 100 100 100 eneck here if in	Ind hydrology ment the ind d/Coated Sand Color ( Color ( dicators are S5 - Sandy F S6 - Strippec F1 - Loamy ( F2 - Loamy (	y were observed to a server ob	erved.	absence of in re Lining, M=Matr s Type	Location	SIL SCL SCL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio	: Soils <sup>1</sup>	
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: u-151n42w15-gg1					
VEGETATIO	N (Species identified in all uppercase and (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: 1 (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: 33.3% (A/B)					
7.										
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.					OBL spp. 10 X 1 = 10					
	Total Cover =	0			FACW spp. 20 x 2 = 40					
					FAC spp. 5 $\times$ 3 = 15					
	Stratum (Plot size: 15 ft. radius)				FACU spp. <u>65</u> x 4 = <u>260</u>					
1. 2.					UPL spp. 0 x 5 = 0					
<u> </u>	<u> </u>				Total 100 (A) 325 (B)					
3. 4.	<u> </u>				Total 100 (A) 325 (B)					
4. 5.					Prevalence Index = B/A = 3.250					
5. 6.					Prevalence Index = B/A = <u>3.250</u>					
0. 7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
10.	Total Cover =	0			Prevalence Index is ≤ 3.0 *					
		<u> </u>			Morphological Adaptations (Explain) *					
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Phleum pratense	30	Y	FACU						
2.	Trifolium pratense	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be					
3.	Agrostis gigantea	20	Y	FACW	present, unless disturbed or problematic.					
4.	Trifolium hybridum	10	Ν	FACU	Definitions of Vegetation Strata:					
5.	Carex pellita	5	Ν	OBL						
6	Carex granularis	5	Ν	OBL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.	Juncus tenuis	5	Ν	FAC	height (DBH), regardless of height.					
8.	Poa pratensis	5	Ν	FACU						
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.					Woody Vines - All woody vines, regardless of height.					
15.	T-4-1 0	400			WOODY VILLES - An woody villes, regardless of height.					
	Total Cover =	100								
Woody Vine Ct	ratum (Plat aiza: 20 ft radius)									
Woody Vine Sti 1.	ratum (Plot size: 30 ft. radius)									
2.	1									
3.					Hydrophytic Vegetation Present? N					
5.	1									
4.	P									
	Total Cover =	0								
Remarks:	The vegetation is dominated by non-hydroph		es and has	been gra	zed.					
	<b>.</b>			U ·						
<b></b>										
Additional Remarks:										