WETLAND DETERMINATION DATA FORM Great Plains Region

		1.00									ъ.	10/04/44	
Project/Site:		L3R									Date:	10/01/14	
Applicant:		Enbridge									County:	Red Lake	
Investigators		LEB/DGL Subregion (MLRA or LRR): MLRA 56								State:	MN		
Soil Unit:	I59A NWI Classification:												
Landform:	Side slope				Loc	cal Relief:					Sample Point:	u-151n42w15-o1	
Slope (%):	0 - 2%		Latitude: 4	47.901	1202	Longitude:	-96.025	657	Datum:				
Are climatic/h	hydrologic co	nditions on the sit	te typical fo	or this	s time of year				⊡Yes	□No	Section:		
Are Vegetation		☐ or Hydrology			disturbed?	,		normal circum		esent?	Township:		
Are Vegetation		☐ or Hydrology					, 0	☑ Yes	□No	000	Range:	Dir:	
		, ,	Litturani	y proc	nematic:			1 103			Range.	DII.	
SUMMARY C													
Hydrophytic \				No						Is Present?		•	
Wetland Hyd				No							t Within A We	etland? No	
Remarks:	The upland	sample point is lo	cated slig	ıhtly u	pslope from	the wetlar	nd on a s	side slope withi	n a large ca	attle pasture) .		
HYDROLOG'	Υ												
						-							
		icators (Check all	I that apply	ly; Min	imum of on	e primary	or two se	econdary requir	ed):				
Primary:					_					Secondary:			
	A1 - Surface					B11 - Salt (B6 - Surface S		
	A2 - High Wa					B13 - Aqua		- 04				/egetated Concave Surfa	ice
l H	A3 - Saturation B1 - Water M					C1 - Hydro					B10 - Drainage	Rhizospheres on Living R	oots (tilled)
I	B2 - Sedimen							pheres on Living	Roots (not till		C8 - Crayfish E		oots (tilica)
1	B3 - Drift Dep					C4 - Prese			110013 (1101 1111			i Visible on Aerial Imagen	v
I	B4 - Algal Ma					C7 - Thin M					D2 - Geomorpi		,
I 🗀	B5 - Iron Dep					Other (Expl					D5 - FAC-Neut		
	B7 - Inundation	n Visible on Aerial Im	nagery			` '	•				D7 - Frost-Hea	ved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves											
Field Observ	vations:												
Surface Water		Yes 🗆	_	Jonth:		(in)							
		_		Depth:		(in.)			Wetland F	lydrology I	Present?	N	
Water Table		Yes 🔲				(in.)						_	
Saturation Pr	resent?	Yes \square		Depth:		(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
I Describe Reco	orded Data (s	stream gauge, mon	itorina well	I. aeria	al photos, pre	evious insp	ections).	if available:					
								if available:					
Remarks:		stream gauge, mon or secondary indic						if available:					
Remarks:								if available:					
Remarks:	No primary	or secondary indic	cators of w	wetlan	d hydrology	were obs	erved.		diagtora \				
Remarks: SOILS Profile Descri	No primary	or secondary indic	cators of w	wetlan	d hydrology	were obse	erved.	e absence of in					
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Remarks: SOILS Profile Descri	No primary	or secondary indicates	cators of w	wetlan	d hydrology	were obse	erved. onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matri		1			
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indices be to the depth neetion, RM=Reduced M Matrix	cators of w	wetlan docum overed/	d hydrology nent the indi Coated Sand (were observed on congrains; Locat	erved. onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matri	(x)				
Remarks: SOILS Profile Descri	No primary	or secondary indicates	cators of w	wetlan	d hydrology	were observed on congrains; Locat	erved. onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matri		Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indices be to the depth neetion, RM=Reduced M Matrix	eeded to d	wetlan docum overed/	d hydrology nent the indi Coated Sand (were observed on congrains; Locat	erved. onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matri	(x)	Texture SIL		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6	No primary ption (Descriptration, D=Depl	be to the depth neetion, RM=Reduced M Matrix Color (Moist)	eeded to d	docum overed// %	d hydrology ent the india Coated Sand C	were obsc cator or cc Grains; Locat Moist)	onfirm the	e absence of in ore Lining, M=Matri es Type	Location	SIL		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-18 NRCS Hydr	No primary ption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	be to the depth neetion, RM=Reduced M Matrix Color (Moist) 2/1 5/1 Indicators (chippedon	eeded to d	wetlan docum overed/ % 100 90 if indi	d hydrology lent the indic Coated Sand C Color (I Hue_10YR cators are r S5 - Sandy R S6 - Stripped	were observed and the control of the	monfirm the lion: PL=Po Mottle % 10 tt):	e absence of in ore Lining, M=Matri es Type C	Location	SIL SIL Indicators 1 A9 - 1 cm M A16 - Coast	luck (LRR I, J) Prairie Redox (: Soils ¹	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-18 NRCS Hydr	No primary ption (Descrintration, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth neetion, RM=Reduced M Matrix Color (Moist) 2/1 5/1 Indicators (chairs)	eeded to d	wetlan docum overed/ % 100 90 if indi	d hydrology lent the india Coated Sand (Color (I Hue_10YR cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M	were observed and the control of the	monfirm that the confirm that the confirmation that	e absence of in ore Lining, M=Matri es Type C	Location	SIL SIL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S6	luck (LRR I, J) Prairie Redox (urface (LRR G)	: Soils¹ LRR F, G, H)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-o1		
VEGETATION	(Species identified in all uppercase are	non-native	species.)				
	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: 2 (A)		
3.					`` <i>_</i> ``		
4.					Total Number of Dominant Species Across All Strata: 4 (B)		
5.					(b)		
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)		
7.					reicent of Dominiant Species That Ale OBL, I AGW, of I AG.		
8.					Prevalence Index Worksheet		
9.					Total % Cover of: Multiply by:		
10.	<u>_</u>				OBL spp. <u>15</u> x 1 = <u>15</u>		
	Total Cover =	0	_		FACW spp. 20 x 2 = 40		
					FAC spp. $0 x 3 = 0$		
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 65 X 4 = 260		
1.					UPL spp. 0 x 5 = 0		
2.					··· 		
3.					Total 100 (A) 315 (B)		
4.					(5)		
5.					Dravelance Index = D/A = 2.450		
					Prevalence Index = B/A = 3.150		
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.	Phleum pratense	20	Υ	FACU			
2.	Agrostis gigantea	20	Y	FACW	* Indicators of hydric soil and wetland hydrology must be		
3.	Elymus repens	15	Y	FACU	present, unless disturbed or problematic.		
			Y	_			
4.	Carex granularis	15		OBL	Definitions of Vegetation Strata:		
5.	Trifolium hybridum	10	N	FACU	_		
6	Taraxacum officinale	10	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast		
7.	Symphyotrichum ericoides	5	N	FACU	height (DBH), regardless of height.		
8.	Melilotus officinalis	5	N	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.							
15.				_	Woody Vines - All woody vines, regardless of height.		
15.	T.1.0	400			TYOOUY VIIIGS - 7 1000, 1000, 1000 or 100gil.		
	Total Cover =	100	_				
	atum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present? N		
5.				_			
4.							
<u>'</u>	Total Cover =	0		_			
Remarks:			s and has	heen ara	7ed		
Remarks: The vegetation is dominated by non-hydrophytic species and has been grazed.							
Additional Remarks:							