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:	I39A NWI Classification:												
Landform:	Side slope	de slope Local Relief: VV									Sample Point	u-151n42w15-w1	
Slope (%):	3 - 7%		Latitude: 4		-	Longitude:			Datum:				
Are climatic/h	hydrologic co	nditions on the site	e typical f	for this	s time of yea	Ir? (If no, exp	olain in rema	arks)	⊡Yes	□No	Section:		
Are Vegetation		☐ or Hydrology	□gnific	cantly o	disturbed?		Are	e normal circum	istances pre	esent?	Township:		
Are Vegetation	on 📮 Soil	☐ or Hydrology	□aturall	ly prob	lematic?			Yes	□No		Range:	Dir:	
SUMMARY C	OF FINDINGS	6											
Hydrophytic \	lydrophytic Vegetation Present?					No			Hydric Soils Present?				
Wetland Hyd	Irology Prese	No					Is This Sar	mpling Poin	t Within A W	etland? No			
Remarks:	The upland	sample point is loc	cated ups	slope f	rom the wet	land next	to a dirt	road.					
HYDROLOG	Υ												
Wetland Hy	drology Indi	icators (Check all	that app	lv: Min	imum of on	e primary	or two se	econdary requir	red):				
Primary:		(0110011 4	and app	.,,		o pa. y	0		<i>ou</i> _j .	Secondary:			
A1 - Surface Water				□ B11 - Salt Crust							B6 - Surface Soil Cracks		
	A2 - High Wat					B13 - Aqua					B8 - Sparsely Vegetated Concave Surface		
	A3 - Saturatio					C1 - Hydro					B10 - Drainag		tillod)
	B1 - Water Ma B2 - Sedimen					C2 - Dry So		pheres on Living	Roots (not till		C8 - Crayfish	Rhizospheres on Living Roots (illea)
	B3 - Drift Dep					C4 - Prese			1100ts (HOL till			n Visible on Aerial Imagery	
	B4 - Algal Mat					C7 - Thin N					D2 - Geomorp		
	B5 - Iron Depo					Other (Exp	lain)				D5 - FAC-Nei		
		n Visible on Aerial Ima	agery								D7 - Frost-He	aved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves											
Field Observe	4!												
Field Observ						<i>(</i> ')							
Surface Water		_		Depth: _		(in.)			Wetland H	lydrology I	Present?	N	
Water Table		Yes				(in.)				, ,,			
Saturation Present? Yes Depth: (in.)													
				_									
Describe Reco	orded Data (s	tream gauge, monit	toring wel	II, aeria	al photos, pre	evious insp	ections),	if available:					
Describe Reco		stream gauge, monit or secondary indica						if available:					
								if available:					
Remarks:	No primary	or secondary indica	ators of v	wetlan	d hydrology	were obs	erved.						
Remarks: SOILS Profile Descri	No primary	or secondary indicates to the depth needs	ators of v	wetland	d hydrology	were obs	erved.	e absence of in					
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Remarks: SOILS Profile Descri	No primary	be to the depth need to the de	ators of v	wetland	d hydrology	were obs	erved. onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matri		I			
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indicates to the depth necession, RM=Reduced Ma	ators of v	docum covered/	d hydrology nent the indid Coated Sand C	were obs	erved. onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matri es	ix)			Powerly	
Remarks: SOILS Profile Descri	No primary	be to the depth need to the de	ators of v	wetland	d hydrology	were obs	erved. onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matri		Texture		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary	be to the depth neetion, RM=Reduced Ma Matrix Color (Moist)	ators of v	docum covered/	d hydrology nent the indid Coated Sand C	were obs	erved. onfirm the tion: PL=Pe	e absence of in ore Lining, M=Matri es Type	ix)	Texture		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	No primary ption (Descrintration, D=Deple ic Soil Field A1- Histosol	be to the depth needetion, RM=Reduced Ma Matrix Color (Moist) Indicators (che	ators of v	docum covered// %	d hydrology lent the indic Coated Sand C Color (N cators are n S5 - Sandy Re	cator or co crains; Local Moist) ot presen	erved. onfirm the tion: PL=Pe Mottle %	e absence of in ore Lining, M=Matri es Type	Location	Indicators f A9 - 1 cm M	uck (LRR I, J)	c Soils ¹	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	No primary iption (Descrintration, D=Deple ic Soil Field A1- Histosol A2 - Histic Ep	be to the depth needetion, RM=Reduced Ma Matrix Color (Moist) Indicators (checkipedon	ators of v	docum covered// %	d hydrology lent the indic Coated Sand C Color (N cators are n S5 - Sandy Re S6 - Stripped	were obs cator or co grains; Local Moist) ot presen edox Matrix	erved. Onfirm the tion: PL=Pe Mottle % tt):	e absence of in ore Lining, M=Matri es Type	Location	Indicators f A9 - 1 cm M A16 - Coast	uck (LRR I, J) Prairie Redox	c Soils ¹ (LRR F, G, H)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-w1		
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:(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. 0 x 1 = 0		
	Total Cover =	0			FACW spp. 15 x 2 = 30		
	_				FAC spp. 0 x 3 = 0		
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 75		
1.					UPL spp. 10 x 5 = 50		
2.							
3.					Total 100 (A) 380 (B)		
4.					```		
5.					Prevalence Index = B/A = 3.800		
6.							
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 *		
	Total Govel -		_		Morphological Adaptations (Explain) *		
Horb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Trifolium pratense	40	Υ	FACU	Frobletti Hydrophytic Vegetation (Explain)		
2.	Melilotus officinalis	15	Y	FACU	* Indicators of hydric soil and wetland hydrology must be		
3.	Cirsium arvense	10	N	FACU	present, unless disturbed or problematic.		
4.	Bromus inermis	10	N	UPL	Definitions of Vegetation Strata:		
5.	Phalaris arundinacea	10	N	FACW	Definitions of Vegetation Strata.		
				_	Troo		
6	Symphyotrichum ericoides	10	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.		
7.	Symphyotrichum lanceolatum	5	N	FACW	····g··· (= - · /)· · · ga · ····g····		
8.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.		
9.					Sapinig/Sirrub - Woody plants less than 5 m. DBH, regardless of neight.		
10.							
11.					All harbaccaus (non woods) plants, recording of size		
12.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.				_			
14.				_	All control of the co		
15.					Woody Vines - All woody vines, regardless of height.		
	Total Cover =	100	_				
	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present? N		
5.							
4.							
	Total Cover =	0					
Remarks:	The vegetation is dominated by non-hydrophy	ytic specie	s.				
Additional Remarks:							