## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/01/14	
Applicant:		Enbridge									County:	Red Lake	
Investigators	3:	NTT/BEH				Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:	I7A						NWI	Classification	PFO1C				
Landform:	Depression				Lo	cal Relief:	CC				Sample Point:	w-151n42w9-a2	
Slope (%):	3 - 7%		Latitude: 47	7 9197			-96.0453	333	Datum		1		
		nditions on the site							⊡Yes	□No	Section:		
		or Hydrology				ai: (II IIO, exp		normal circur			-		
Are Vegetati							Ale		•	esent?	Township:		
Are Vegetati		☐ or Hydrology	□aturally	proble	ematic?			Yes	□No		Range:	Dir:	
SUMMARY (													
Hydrophytic	Vegetation P	resent?	Ye	es					Hydric So	ils Present?	Yes		
Wetland Hyd	drology Prese	nt?	Ye	es					Is This Sa	mpling Poin	nt Within A W	etland? Yes	
Remarks:	The wetland	d is a scrub-shrub	area that fr	ringes	a shallow	marsh an	d a forest	ted rise. The o	lominant sh	rub through	out is meado	w willow with lake sedge	9
		the ground layer.		Ŭ						•		· ·	
HYDROLOG		,											
Wetland Hy	drology Ind/	icators (Check all	I that apply;	; Minir	mum of on	e primary	or two se	condary requi	red):				
<u>Primary</u>										Secondary:			
	A1 - Surface					B11 - Salt (					B6 - Surface S		
A2 - High Water Table						B13 - Aqua		0.1			■ B8 - Sparsely Vegetated Concave Surface		
<b>✓</b>	A3 - Saturation B1 - Water M					C1 - Hydro					B10 - Drainage Patterns		
	B2 - Sedimer										C3 - Oxidized Rhizospheres on Living Roots (tilled) C8 - Crayfish Burrows		
	B3 - Drift Dep											Nisible on Aerial Imagery	
1 5	B4 - Algal Ma				_	C7 - Thin M					D2 - Geomorp		
	B5 - Iron Dep					Other (Expl		00			D5 - FAC-Neu		
		on Visible on Aerial Im	nagery		_	( )	- /					aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves	0 ,									, ,	
Field Obser	vations:												
	ter Present?	V □	D-			(in )							
		_		epth:	0	(in.)			Wetland I	Hydrology I	Present?	Υ	
Water Table		Yes 🗹		epth:	8	(in.)						<u> </u>	
Saturation P	resent?	Yes 🗹	De	epth:	0	(in.)							
Describe Rec	corded Data (s	stream gauge, moni	itorina well.	aerial	photos, pro	evious insp	ections), i	if available:					
		stream gauge, moni						if available:					
Describe Red Remarks:		stream gauge, moni sturated at the surf						if available:					
Remarks:								if available:					
Remarks:	Soils are sa	turated at the surf	face with a	water	table pres	ent at eigh	nt inches.		adioatore )				
Remarks: SOILS Profile Descr	Soils are sa	iturated at the surf	face with a	water	table present the indi	ent at eigh	nt inches.	e absence of in					
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Remarks: SOILS Profile Descr	Soils are sa	iturated at the surf	face with a	water	table present the indi	ent at eigh	onfirm the	e absence of ingre Lining, M=Mat			I		
Remarks:  SOILS Profile Descr (Type: C=Conce	Soils are sa	turated at the surf ibe to the depth ne etion, RM=Reduced Ma Matrix	face with a seeded to do latrix, CS=Cov	water ocume vered/Co	ent the indicated Sand (	ent at eight cator or co Grains; Locat	onfirm the	e absence of ir re Lining, M=Mat s	rix)				
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Remarks: SOILS Profile Descr (Type: C=Conce	Soils are sa	turated at the surf ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	ocume vered/Co	ent the indicated Sand (	ent at eight cator or co Grains; Locat	onfirm the	e absence of ir re Lining, M=Mat s	rix)			Remarks	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w9-a2
VEGETATIO	N (Species identified in all uppercase are	e 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: 4 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 4 (B)
					Total Number of Dominant Species Across All Strata. 4
5.					(A/D)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 105 x 1 = 105
	Total Cover =	0			FACW spp. 30 x 2 = 60
	•		_		FAC spp. 0 x 3 = 0
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0
1.	Salix petiolaris	40	Υ	OBL	UPL spp. 0 x 5 = 0
2.			Y	FACW	οι Ε ορφ. <u> </u>
	Salix interior	10	Ť	FACVV	
3.					Total 135 (A) 165 (B)
4.					
5.					Prevalence Index = B/A = 1.222
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	50			X Prevalence Index is ≤ 3.0 *
	Total Gover =		_		
	D				Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)			ODI	Problem Hydrophytic Vegetation (Explain) *
1.	Carex lacustris	40	Y	OBL	* La Parte or a file of the address
2.	Carex atherodes	15	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Phalaris arundinacea	10	N	FACW	
4.	Agrostis gigantea	10	N	FACW	Definitions of Vegetation Strata:
5.	Sparganium eurycarpum	10	N	OBL	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
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.
					THE D = 7 to 100 0000000 (1007 WOOdy) picture, regulations of these.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	85	_		
			·		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.		-		_	Hydrophytic Vegetation Present? Y
5.					
4.					
→.	Total Cover =	0		_	
Domarka:	The wetland vegetation is dominated by mea		v in the ab	rub lover :	and lake codes throughout the ground layer
Remarks:	The welland vegetation is dominated by mea	Idow willov	v iii tile Sili	rub layer a	and take sedge throughout the ground layer.
Additional F	Remarks:				
İ					