WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/02/14	
Applicant:		Enbridge								County:	Red Lake	
Investigators		LEB/DGL			Subregio	n (MI RA c	or LRR).	MLRA 56		State:	MN	
Soil Unit:										Otato.		
				— .	! D-11-6		Classification:				45440450	
Landform:	Talf				_ocal Relief:					Sample Point:	u-151n42w15-p2	
Slope (%):	0 - 2%		Latitude: 47			-96.02061		Datum:				
Are climatic/l	hydrologic co	nditions on the site	e typical fo	or this time of y	ear? (If no, exp	plain in remark	(S)	 Yes	□ No	Section:		
Are Vegetation	on 🗆 Soil	□ or Hydrology	□anifica	intly disturbed	?	Are r	normal circum	nstances pr	esent?	Township:		
Are Vegetation		or Hydrology			•		☑ Yes	□No			Dir:	
			Litturally	problematic?			<u> </u>			Range:	DII.	
SUMMARY C												
Hydrophytic '	Vegetation P	resent?	No	0				Hydric Soi	Is Present?	No		
Wetland Hyd	Irology Prese	nt?	No	n	_			Is This Sa	mnling Poin	t Within A W	etland? No	
Remarks:		sample point is lo			votland in a l	largo paeti	uro	10 11110 001	mpiling i om		olidila. IIO	
Remarks.	The upland	sample point is lot	cated upsit	ope iroin the v	velianu in a i	iarye pasit	ure.					
HYDROLOG	Υ											
Wetland Hy	drology ind	icators (Check all	that apply	; Minimum of	one primary	or two sec	condary requi	red):				
<u>Primary</u> :	<u>:</u>								Secondary:			
	A1 - Surface \	Water			B11 - Salt (Crust				B6 - Surface S	oil Cracks	
A2 - High Water Table					B13 - Aqua	atic Fauna				B8 - Sparsely Vegetated Concave Surface		
	A3 - Saturatio				C1 - Hydro	gen Sulfide	Odor			B10 - Drainage	e Patterns	
	B1 - Water M	arks			C2 - Dry Se	eason Wate	er Table			C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen	t Deposits					heres on Living	Roots (not till		C8 - Crayfish E		,
	B3 - Drift Dep				C4 - Prese						Nisible on Aerial Imagery	
I =	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp		
1 5	B5 - Iron Dep				Other (Exp		•			D5 - FAC-Neu		
1 5		on Visible on Aerial Im	nagery	'	- Other (Exp	idiii)					aved Hummocks (LRR F)	
1 5	B9 - Water-St		lagel y						_	D1 - 11031-1166	ived Hullillocks (LIXIX I)	
	Da - Water-Si	tairieu Leaves										
Field Observ	vations:											
Surface Wat	or Drocont?	Yes	D	onth:	(in.)							
			De	epth:	("1.)			Wetland F	lydrology I	Present?	N	
Water Table	Present?	Yes \square	D€	epth:	(in.)				, ,,			
Saturation Pr	resent?	Yes \square	De	epth:	(in.)							
					_ ` ′							
	orded Data (s	stream gauge, moni	itoring well,	aerial photos,	previous insp		f available:					
	orded Data (s		itoring well,	aerial photos,	previous insp		f available:					
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-p2			
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: 1 (A)			
3.					`` ` '			
4.					Total Number of Dominant Species Across All Strata: 3 (B)			
5.					(B)			
					Descent of Deminant Creation That Are ORL EACIN on EAC. 22.29/ (A/D)			
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. 25 x 1 = 25			
	Total Cover =	0			FACW spp. 10 x 2 = 20			
	-		_		FAC spp. 0 x 3 = 0			
Sanling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACU spp. 65 x 4 = 260			
1.	Stratam (Flot Size: 10 It. radias)				UPL spp. 0 x 5 = 0			
2.					от E зpp х о			
					T. I. 100 (1)			
3.					Total 100 (A) 305 (B)			
4.								
5.					Prevalence Index = B/A = 3.050			
6.				·				
7.								
8.	<u> </u>				Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					Dominance Test is > 50%			
10.	Total Caver -							
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *			
					Morphological Adaptations (Explain) *			
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Trifolium pratense	40	Y	FACU				
2.	Carex pellita	25	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be			
3.	Phleum pratense	20	Υ	FACU	present, unless disturbed or problematic.			
4.	Agrostis gigantea	10	N	FACW	Definitions of Vegetation Strata:			
5.	Melilotus officinalis	5	N	FACU				
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast			
7.				_	height (DBH), regardless of height.			
8.					O I' /Ot I Weady plants less than 2 in DDI I reportless of height			
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.			
	Total Cover =	100						
	Total Cover –	100	_					
144 1 3 P = -	only of (District on OO file and it is)							
	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present?N			
5.								
4.								
	Total Cover =	0		_				
Remarks:			es and has	heen gra	7ed			
Remarks: The vegetation is dominated by non-hydrophytic species and has been grazed.								
Additional Remarks:								