WETLAND DETERMINATION DATA FORM Great Plains Region

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Project/Site:	ŀ	L3R								Date: County:	09/30/14						
Applicant:		Enbridge									Red Lake						
Investigators	:	NTT/BEH		Subregion (MLRA or LRR): MLRA 56							MN						
Soil Unit:	159A					NWI	Classification:										
Landform:										Sample Point:	w-151n42w5-e1						
Slope (%):	3 - 7%		Latitude: 47.92	7202	Lonaitude:	-96 0595	543	Datum:		1 '	•						
		nditions on the site			. 5			⊡Yes	□No	Section:							
			• •		i : (ii iio, exp												
Are Vegetation	,		gnificantly			Ale	normal circum	•	esent	Township:							
Are Vegetation		☐ or Hydrology	Laturally pro	blematic?			Yes	□No		Range:	Dir:						
SUMMARY C	OF FINDINGS																
Hydrophytic \	Vegetation Pr	esent?	Yes	Yes					Hydric Soils Present? Yes								
, , ,	Irology Preser			Yes				Is This Sampling Point Within A Wetland? Yes									
Remarks:				cated within	a nlanted	sovhean	field and conn				Dominant plants include	de blunt					
rtemants.		nd narrow-leaf cat		catea within	a plantea	Joybean	nicia ana com	icoting to a	ricarby cao	avatea pona.	Dominant plants morat	ac blant					
	•	ind namow-lear cat	taii.														
HYDROLOG'	Y																
Wetland Hy	drology Indi	cators (Check all t	that apply: Mi	nimum of on	nrimary	or two se	condary requi	red).									
Primary:		Cators (Oncok all t	iliai appiy, iviii	illinain or on	pililary	OI TWO 3C	condary requi	icu).	Secondary:								
	<u>.</u> A1 - Surface V	Vator			B11 - Salt (ruet					oil Cracks						
			_					 □ B6 - Surface Soil Cracks □ B8 - Sparsely Vegetated Concave Surface 									
	A2 - High Wate A3 - Saturation			☐ C2 - Dry Season Water Table ☐ C3 - Oxidized Rhizospheres on Living Roots (not tille ☐						B10 - Sparsely		æ					
	B1 - Water Ma											oto (tillod)					
	B2 - Sediment B3 - Drift Depo										surrows I Visible on Aerial Imagery						
				☐ C4 - Presence of Reduced Iron☐ C7 - Thin Muck Surface ☑													
	B4 - Algal Mat						ce		2	D2 - Geomorpi D5 - FAC-Neut							
	B5 - Iron Depo				Other (Expl	iain)											
_		n Visible on Aerial Ima	agery							D7 - Frost-Hea	ved Hummocks (LRR F)						
	B9 - Water-Sta	ained Leaves															
Field Observ	vations:																
Surface Wate	er Present?	Yes 🗆	Depth:		(in.)												
Water Table		Yes 🔲	•		. ,			Wetland F	lydrology l	Present?	Υ						
		_	Depth:		(in.)												
Saturation Pr	esent?	Yes 🚨	Depth:		(in.)		Saturation Present? Yes Depth: (in.)										
Describe Reco	orded Data (st	tream gauge monito	oring well aeri	al photos pre	vious insp	ections)	if available:										
		tream gauge, monito						od on landa	ana nacitio	and hydron	butio vagatation proces	nt					
Describe Reco								ed on lands	cape positio	n and hydrop	hytic vegetation prese	nt.					
Remarks:								ed on landso	cape positio	n and hydrop	hytic vegetation preser	nt.					
Remarks:	No primary v	wetland hydrology i	indicators are	present. We	tland hyd	rology is	assumed base		cape positio	n and hydrop	hytic vegetation preser	nt.					
Remarks: SOILS Profile Descri	No primary v	wetland hydrology i	indicators are	present. We	tland hydrator or co	rology is	assumed base e absence of in	ndicators.)	cape positic	on and hydrop	hytic vegetation preser	nt.					
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w5-e1			
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: 2 (A)			
3.					· · · · · · · · · · · · · · · · · · ·			
4.					Total Number of Dominant Species Across All Strata: 2 (B)			
					Total Number of Dominant Species Across All Strata(D)			
5.					40.00			
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. 40 x 1 = 40			
	 Total Cover =	0			FACW spp. 20 x 2 = 40			
			_		FAC spp. 0 x 3 = 0			
Conling/Chrub (Stratum (Diet aire) 15 ft radius)				···			
	Stratum (Plot size: 15 ft. radius)				··· ———			
1.					UPL spp. 0 x 5 = 0			
2.								
3.					Total 60 (A) 80 (B)			
4.								
5.					Prevalence Index = B/A = 1.333			
6.								
7.	_							
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					X Dominance Test is > 50%			
	Total Cover =	0	_		X Prevalence Index is ≤ 3.0 *			
					Morphological Adaptations (Explain) *			
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Eleocharis obtusa	30	Υ	OBL				
2.	Persicaria maculosa	20	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be			
3.	Typha angustifolia	10	N	OBL	present, unless disturbed or problematic.			
4.				OBL	Definitions of Vegetation Strata:			
5.					Definitions of Vegetation offata.			
				-	Tree			
6				-	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.			
7.					neight (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.			
13.								
14.								
				_	Woody Vines - All woody vines, regardless of height.			
15.					VYOOQY VIIIeS - All WOOQY VIIIes, regalatess of height.			
	Total Cover =	60	_					
Woody Vine St	ratum (Plot size: 30 ft. radius)							
1.								
2.				_				
3.					Hydrophytic Vegetation Present? Y			
5.					Tryatophysio rogotation r rosontr			
4.	T	^		_				
	Total Cover =			1 0 2				
Remarks:	The wetland vegetation is dominated by blun	t spike-rus	in and lady	s thumb	with scattered pockets of narrow-leaf cattail.			
Additional 5	Remarks:							
Additional Remarks:								