WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/02/14	_									
Applicant:		Enbridge								County:	Red Lake										
Investigators	nvestigators: NTT/BEH				or LRR):	MLRA 56		State:	MN	-											
Soil Unit:	159A		-		Classification			1		-											
Landform:	Depression			Lo	cal Relief:	CC				Sample Point:	w-151n42w9-f1										
Slope (%):	3 - 7%		Latitude: 47.		Longitude:		368	Datum:		1		-									
		nditions on the site						⊡Yes	□No	Section:											
					жт: (п по, ехр		normal circun			1											
Are Vegetation		or Hydrology		tly disturbed?		Ale		•	esenti	Township:											
Are Vegetation		☐ or Hydrology	∟ aturally p	roblematic?			✓ Yes	□No		Range:	Dir:										
SUMMARY (
Hydrophytic '	Vegetation P	resent?	Yes		_			Hydric Soi	ls Present?	Yes											
Wetland Hyd	Irology Prese	nt?	Yes		_			Is This Sai	mpling Poin	nt Within A We	etland? Yes										
Remarks:	The wetland	d is a scrub-shrub	area located	d on the edge of	of a shallow	w excava	ted pond. This					harvested									
	Remarks: The wetland is a scrub-shrub area located on the edge of a shallow excavated pond. This wetland is a small fringe wetland and is adjacent to a harvested soybean field. Dominant vegetation includes reed canary grass and meadow willow.																				
HYDROLOG		3			, 5		-														
Wetland Hy	drology Ind	icators (Check all	I that apply;	Minimum of or	e primary	or two se	econdary requi	red):													
<u>Primary</u> :	<u>:</u>								Secondary:												
A1 - Surface Water					B11 - Salt (B6 - Surface S											
	A2 - High Wa				B13 - Aqua					☐ B8 - Sparsely Vegetated Concave Surface											
	A3 - Saturation				C1 - Hydro					■ B10 - Drainage Patterns											
	B1 - Water M				C2 - Dry Se			Danta (not till			Rhizospheres on Livi	ng Roots (tilled)									
	B2 - Sedimer				C3 - Oxidiz C4 - Presei		pheres on Living	Roots (not till		C8 - Crayfish E	surrows n Visible on Aerial Ima	00001									
	B3 - Drift Dep B4 - Algal Ma				C7 - Thin M					D2 - Geomorpi		agery									
l H	B5 - Iron Dep				Other (Expl		ice			D5 - FAC-Neut											
1 5		on Visible on Aerial Im	nagery		Other (Exp	iairi)					ived Hummocks (LRI	R F)									
	B9 - Water-S		lagery						_	<i>B1</i> 1100011100	rvod Hammooko (Erki	,									
_																					
Field Obser																					
Field Obser																					
Surface Wat				oth:				Wetland F	lydrology l	Present?	Υ										
Water Table		Yes \square	Dep	oth:	(in.)			· · · · · · · · · · · · · · · · · · ·	.ya.c.ogy .		<u></u>										
Saturation Present? Yes Depth: (in.)																					
outuration .		103	DOP	/LI I.	(111.)						Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
						actions)	if available:														
Describe Rec	orded Data (stream gauge, moni	itoring well, a	erial photos, pr	evious insp			- 1 1		- d bdb. 4'											
	orded Data (itoring well, a	erial photos, pr	evious insp			n landscape	e position a	nd hydrophytic	c vegetation prese	ent.									
Describe Reco	orded Data (stream gauge, moni	itoring well, a	erial photos, pr	evious insp			n landscape	e position ar	nd hydrophytio	c vegetation prese	ent.									
Describe Reco	orded Data(No primary	stream gauge, moni wetland hydrology	itoring well, a	erial photos, proresent. Wetlan	evious insp	gy is assu	umed based o		e position ar	nd hydrophytio	c vegetation prese	ent.									
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w9-f1				
VEGETATION	(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: 3 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: 3 (B)				
5.					Total Number of Borninant openies Across Air Strata.				
					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. 55 x 1 = 55				
	Total Cover =	0			FACW spp. 85 x 2 = 170				
	•		_		FAC spp. 15 x 3 = 45				
Sanling/Shrub 9	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		от Е эрр				
	Cornus racemosa	15		FAC					
3.	Cornus alba	10	N	FACW	Total 155 (A) 270 (B)				
4.									
5.					Prevalence Index = B/A = 1.742				
6.			-						
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
10.	Total Caver -	C.F.							
	Total Cover =	65	_		X Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Phalaris arundinacea	70	Y	FACW					
2.	Carex pellita	15	N	OBL	* Indicators of hydric soil and wetland hydrology must be				
3.	Rubus pubescens	5	N	FACW	present, unless disturbed or problematic.				
4.				_	Definitions of Vegetation Strata:				
5.					•				
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.				_	height (DBH), regardless of height.				
8.				_					
				_	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
9.					Sapinig/Sirrup - Woody plants less than 5 m. DDM, Tegaluless of fleight.				
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 =	90			•				
	Total Cover		_						
Moody Vinn C	ratum (Plot aiza: 20 # radius)								
-	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? Y				
5.									
4.				_					
	Total Cover =	0							
Remarks: The wetland vegetation is dominated by meadow willow, gray dogwood, and reed canary grass.									
Additional December									
Additional R	temarks:								
1									
<u> </u>									