WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/02/14	
Applicant: Enbridge											Red Lake	
Investigators: NTT/BEH				Subregion (MLRA or LRR): MLRA 56							MN	
Soil Unit:	159A		NWI Classification:									
	Depression				cal Relief:					Sample Point:	<u>w-151n42w9-g1</u>	
	3 - 7%		Latitude: 47.9		Longitude:			Datum:		_		
		nditions on the site			Ir? (If no, exp			⊡Yes	□ No	Section:		
Are Vegetation 🗘 Soil 🗘 or Hydrology 🖾 gnificantly dist						Are	e normal circun	•	esent?	Township:		
Are Vegetation		📮 or Hydrology	Laturally pro	blematic?			Yes	□No		Range:	Dir:	
SUMMARY OF FINDINGS Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes												
	•		Yes				Hydric Soils Present?					
				/es			Is This Sampling Poir					
Remarks:	The wetland	l is a fresh wet me	adow that is I	ocated within	a very lar	ge wetla	nd complex. Th	nis wetland	is within the	e Plummer sta	ation and expands to cover a	
		ty of the area. The	wetland veg	etation is dom	inated by	woolly s	edge, reed car	iary grass, a	and thimble	weed.		
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	that apply; M	inimum of on	e primary	or two se	econdary requi	red):				
Primary:									Secondary:			
	A1 - Surface				B11 - Salt					B6 - Surface S		
	A2 - High Wa A3 - Saturatio				B13 - Aqua						Vegetated Concave Surface	
	B1 - Water M			C1 - Hydrogen Sulfide Odor						B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen										Burrows	
	B3 - Drift Dep				C4 - Prese						Visible on Aerial Imagery	
	B4 - Algal Ma B5 - Iron Dep				C7 - Thin N		ace			D2 - Geomorp D5 - FAC-Neu		
		n Visible on Aerial Ima	agery		Other (Exp	an)					ived Hummocks (LRR F)	
	B9 - Water-St		ugery							Di - Host-hot		
Field Observ	vations:											
Surface Wate	er Present?	Yes 🛛	Depth	:	(in.)							
Water Table	Present?	Yes 🔲			(in.)			Wetland F	lydrology	Present?	Y	
Saturation Pr	esent?	Yes 🛛	Depth	c.	(in.)							
					· · /	ections)	if available:					
Describe Reco	orded Data (s	stream gauge, monit	toring well, ae	rial photos, pre	evious insp			n hydronhyf	ic vegetatio	on and lander		
Describe Reco	orded Data (s		toring well, ae	rial photos, pre	evious insp			n hydrophyt	ic vegetatio	on and landsc	ape position.	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w9-g1
VEGETATIO		e non-native	species.)		
Tree Stratum (Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.		<u>% Cover</u>	Dominant	IIIU.Status	Dominance rest worksheet
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)
5.					(=)
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. 45 x 2 = 90
					FAC spp. 5 $x 3 = 15$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0
1.					UPL spp. 0 x 5 = 0
2.					
3.					Total <u>105</u> (A) <u>160</u> (B)
4.					
5.					Prevalence Index = B/A = 1.524
6.					
7.	Į				
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	0			X Prevalence Index is \leq 3.0 *
					Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Carex pellita	50	Y	OBL	• Lotter and the state of th
2.	Phalaris arundinacea	25	Y	FACW	 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Poa palustris	10	N	FACW	
4.	Sonchus arvensis	5	N	FAC	Definitions of Vegetation Strata:
5.	Anemone canadensis	5	N	FACW	Tree
6	Eleocharis palustris	5	N	OBL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7. 8.	Argentina anserina	5	N	FACW	
0. 9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
9. 10.					
10.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
12.					
13.					
14.					Woody Vines - All woody vines, regardless of height.
10.	Total Cover =	105			,
		100	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					, , , , , , , , , , , , , , , , <u>, </u>
4.					
	Total Cover =	0			
Remarks:	The sample area is dominated by woolly sed		ed canary	grass.	
Additional R	Remarks:				