## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	09/27/14	
Applicant: Enbridge										County:	Red Lake	
Investigators: NTT/BEH				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:	138A						Classification:			-		
Landform:	Depression				cal Relief:					Sample Point:	w-152n42w31-b1	
Slope (%):	26 - 60%		Latitude: 47.9		Longitude:			Datum:				
		nditions on the site			ar? (If no, exp				□ No	Section:		
Are Vegetation	on Ļ Soil	📮 or Hydrology	gnificant	y disturbed?		Are	normal circum	•	esent?	Township:		
Are Vegetation		C or Hydrology	☐aturally pr	oblematic?			Yes	□No		Range:	Dir:	
SUMMARY OF FINDINGS												
Hydrophytic V	•			Yes			Hydric Soils Present?					
				Yes			Is This Sampling Point			t Within A W	etland? Yes	
Remarks:	The wetland	l is a fresh wet me	adow that ha	as been mowe	ed and is lo	ocated wit	thin a roadside	e ditch and d	lominated b	by reed canar	y grass and woolly sedge.	
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	that apply; N	linimum of on	e primary	or two se	condary requir	red):				
Primary			, <b>.</b> . <b>.</b> . <b>.</b> . <b>.</b> . <b>. .</b>		- r - J		, , ,	/	Secondary:			
	A1 - Surface				B11 - Salt					B6 - Surface S		
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface	
	A3 - Saturatio B1 - Water Ma				C1 - Hydro C2 - Dry So					B10 - Drainage	Patterns Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen						pheres on Living	Roots (not till		C8 - Cravfish E		
	B3 - Drift Dep				C4 - Prese					C9 - Saturation	Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin N	Auck Surfa	ce		4	D2 - Geomorp	hic Position	
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu		
		n Visible on Aerial Im	agery							D7 - Frost-Hea	ved Hummocks (LRR F)	
	B9 - Water-St	aned Leaves										
Field Ob each												
Field Observ			_		<i></i> .							
Surface Wate			Dept	h:	(in.)			Wetland H	vdroloav l	Present? Y		
Water Table		Yes 🔲		h:					, <u>.</u> .			
Saturation Present? Yes Depth: (in.)												
	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Describe Reco	orded Data (s	stream gauge, moni		-	,	pections),	if available:					
Describe Reco Remarks:			toring well, a	erial photos, pr	evious insp			ed on landso	ape positio	on and hydrop	hytic vegetation present.	
			toring well, a	erial photos, pr	evious insp			ed on landso	ape positic	on and hydrop	hytic vegetation present.	
			toring well, a	erial photos, pr	evious insp			ed on landsc	ape positic	on and hydrop	hytic vegetation present.	
Remarks: SOILS Profile Descri	No primary	wetland hydrology be to the depth ne	toring well, ad indicators a eded to docu	erial photos, pro- re present. We ument the indi	evious insp etland hyd cator or co	rology is	assumed base e absence of in	dicators.)	ape positic	on and hydrop	hytic vegetation present.	
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R			Sample Point: w-152n42w31-b1					
VEGETATIO	N (Species identified in all uppercase an Plot size: 30 ft. radius)	re non-native species.)							
,	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)					
5.				Total Number of Dominant Species Across All Strata: 2 (B)					
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)					
7.									
8.				Prevalence Index Worksheet					
9.				Total % Cover of: <u>Multiply by:</u>					
10.	_ Total Cover =	0		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
				FAC spp. $0$ x 3 = $0$					
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 80 (A) 140 (B)					
4. 5.	<u> </u>			Provolongo Index = P/A =4.750					
5. 6.	<u> </u>			Prevalence Index = B/A = <u>1.750</u>					
7.	J								
8.				Hydrophytic Vegetation Indicators:					
9.				Rapid Test for Hydrophytic Vegetation					
10.				X Dominance Test is > 50%					
	Total Cover =	0		<u> </u>					
Harb Stratum (	Diataiza: Eff radius)			Morphological Adaptations (Explain) *					
	Plot size: 5 ft. radius) Phalaris arundinacea	60 Y	FACW	Problem Hydrophytic Vegetation (Explain) *					
2.	Carex pellita	20 Y	OBL	* Indicators of hydric soil and wetland hydrology must be					
3.				present, unless disturbed or problematic.					
4.				Definitions of Vegetation Strata:					
5.									
6 7.				Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast 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.					
13. 14.				4					
14.			-	Woody Vines - All woody vines, regardless of height.					
10.	Total Cover =	80							
	ratum (Plot size: 30 ft. radius)								
1.				-					
2. 3.	1			Hydrophytic Vegetation Present? Y					
5.									
4.	<u></u>								
	Total Cover =								
Remarks:	The wetland vegetation is dominated by ree	d canary grass and	woolly sede	ge.					
Additional Remarks:									