WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/01/14	
Applicant: Enbridge										County:	Red Lake	
Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit: 144A						NWI Classification:						
	Side slope			-	cal Relief: '					Sample Point:	u-151n42w15-k1	
	0 - 2%		Latitude: 47.9			-96.026337		Datum:		_		
		nditions on the site			ar? (If no, expl				D No	Section:		
Are Vegetation D Soil D or Hydrology D gnificantly disturbed								stances pre	esent?	Township:		
Are Vegetation		🖵 or Hydrology	Laturally pro	oblematic?			🛛 Yes	□No		Range:	Dir:	
SUMMARY OF FINDINGS Hydrophytic Vegetation Present? No Hydric Soils Present? No												
						Soils Present? No						
				No			Is This Sampling Point				etland? No	
Remarks:	The upland	sample point is loo	cated slightly	upslope from	the wetlan	id in a large ca	ttle pastu	re.				
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	that apply; M	inimum of on	e primary o	or two seconda	ry require	ed):				
Primary:	<u>.</u>				. ,				Secondary:			
A1 - Surface Water					B11 - Salt C					B6 - Surface S		
	A2 - High Wa A3 - Saturatio				ic Fauna jen Sulfide Odor					B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns		
	B1 - Water Ma					ason Water Tabl	e				Rhizospheres on Living	Roots (tilled)
	B2 - Sedimen				C3 - Oxidize	ed Rhizospheres	on Living F	Roots (not tille		C8 - Crayfish E		(
	B3 - Drift Dep				C4 - Presen	nce of Reduced Ir	ron			C9 - Saturation	Visible on Aerial Imag	jery
	B4 - Algal Ma				C7 - Thin M					D2 - Geomorp		
	B5 - Iron Dep	osits In Visible on Aerial Im	2000/		Other (Expla	ain)				D5 - FAC-Neu	tral Test wed Hummocks (LRR	E)
	B9 - Water-St		agery							D7 - FIOSI-Hea		F)
Field Observ	vations:											
Surface Wate		Yes 🛛	Denth	1:	(in.)							
Water Table		Yes		1:	- · ·			Wetland H	lydrology	Present?	N	
		Yes										
Saturation Present? Yes Depth: (in.)												
					• • •		<u>.</u> .					
		stream gauge, moni	-		evious inspe		able:					
Describe Reco Remarks:		stream gauge, moni or secondary indic	-		evious inspe		able:					
Remarks:			-		evious inspe		able:					
Remarks: SOILS	No primary	or secondary indic	ators of wetla	and hydrology	evious inspe were obse	erved.		dicators)				
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-k1					
VECETATIO										
VEGETATION Tree Stratum (N (Species identified in all uppercase ar Plot size: 30 ft. radius)	e non-native	e species.)							
The official (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: 4 (B)					
5.										
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)					
7.										
8.					Prevalence Index Worksheet					
9.					Total % Cover of: <u>Multiply by:</u>					
10.		0			OBL spp. 20 x 1 = 20 FACW spp. 15 x 2 = 30					
	Total Cover =	0	_							
Sapling/Shrub (Stratum (Plot size: 15 ft. radius)				FAC spp. 5 X 3 = 15 FACU spp. 65 X 4 = 260					
3apiirig/Srirub 3	Cornus racemosa	5	Y	FAC	UPL spp. 0 $x 5 = 0$					
2.		0								
3.	J				Total 105 (A) <u>325</u> (B)					
4.	J									
5.	<u> </u>				Prevalence Index = B/A = 3.095					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	5			Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Phleum pratense	20	Y	FACU						
2.	Trifolium hybridum	20	Y	FACU	 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 					
3.	Taraxacum officinale	20	Y	FACU						
4.	Agrostis gigantea	15	N	FACW	Definitions of Vegetation Strata:					
5.	Carex pellita	10	N	OBL	Tree					
6	Carex granularis	10	<u>N</u>	OBL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
7. 8.	Poa pratensis	5	IN	FACU						
0. 9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.										
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.										
14.										
15.					Woody Vines - All woody vines, regardless of height.					
	Total Cover =	100								
Woody Vine Str 1.	ratum (Plot size: 30 ft. radius)									
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.	,									
	Total Cover =	0								
Remarks: The vegetation is dominated by non-hydrophytic species and has been heavily grazed.										
Additional Remarks:										