WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	09/29/14	
Applicant: Enbridge										County:	Red Lake	
Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56						State:	MN	
	Soil Unit: 159A NWI Classification:											
Landform:	Talf				cal Relief:					Sample Point:	<u>u-151n42w15-a1</u>	
Slope (%):	0 - 2%		Latitude: 47.90			-96.02847		Datum:				
		nditions on the site			dí? (If no, exp		^{s)} Iormal circum	⊡Yes		Section:		
Are Vegetatio		C or Hydrology				Aren	ionnai circun ⊡ Yes		sent?	Township:		
Are Vegetation Soil or Hydrology Aturally problematic? Yes No Range: Dir: Dir:												
			N.					Lludria Cail	o Drocort?	Ne		
Hydrophytic Vegetation Present? Wetland Hydrology Present?				No No			Hydric Soils Present? Is This Sampling Poin				etland? No	
Remarks:	The upland	sample point is loc		from the we	tland in a f	enced nas	turo	is this dat	npling Poin			
Remarks.		sample point is lot	cated upsiope			enceu pas	sture.					
HYDROLOG	v											
				· · · ·				D.				
		icators (Check all	that apply; M	inimum of oi	ne primary	or two seco	ondary requi	red):	0			
Primary:		Crust			Secondary:	B6 - Surface S	oil Cracks					
	A1 - Surface A2 - High Wa				B13 - Aqua						Vegetated Concave Surface	
	A3 - Saturatio					gen Sulfide (e Odor 🛛 🗖					
	B1 - Water M			H	C2 - Dry Se	eason Water	r Table				Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen B3 - Drift Dep				C4 - Preser	nce of Reduc	neres on Living	ROOLS (NOT TIM			n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin M					D2 - Geomorp		
	B5 - Iron Dep				Other (Expl	lain)				D5 - FAC-Neu		
		on Visible on Aerial Im	agery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-Si	aned Leaves										
Field Observ	votional											
		V	Denth		(in)							
Surface Wate		_	Depth	:	(in.)			Wetland H	ydrology I	Present?	Ν	
Water Table				:							—	
	Saturation Present? Yes Depth: (in.)											
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
			-			-	available:					
Describe Reco Remarks:		stream gauge, moni or secondary indic	-			-	available:					
Remarks:			-			-	available:					
Remarks: SOILS	No primary	or secondary indic	ators of wetla	ind hydrolog	y were obse	erved.		dicators)				
Remarks: SOILS Profile Descri	No primary		eded to docu	ment the ind	y were obse	erved.	absence of in					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	ment the ind	y were obse	erved.	absence of in					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	ment the ind	y were obse	erved.	absence of in Lining, M=Matr					
Remarks: SOILS Profile Descri	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced Ma	eded to docu	ment the ind	y were obse icator or co Grains; Locat	erved. onfirm the a tion: PL=Pore	absence of in Lining, M=Matr		Texture		Remarks	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-a1				
VEGETATIO	N (Species identified in all uppercase ar Plot size: 30 ft. radius)	e non-native	species.)						
The official (Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: 3 (B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)				
7. 8.					Prevalence Index Worksheet				
0. 9.									
9. 10.					Total % Cover of: Multiply by: OBL spp. 0 x 1 = 0				
10.	Total Cover =	0			FACW spp. 0 $x 2 = 0$				
			_		FAC spp. 0 x 3 = 0				
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 75 x 4 = 300				
1.	, , , , , , , , , , , , , , , , , , , ,				UPL spp. 25 X 5 = 125				
2.									
3.					Total 100 (A) 425 (B)				
4.									
5.					Prevalence Index = B/A = 4.250				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9. 10.					Rapid Test for Hydrophytic Vegetation				
10.	Total Cover =	0			Dominance Test is > 50% Prevalence Index is < 3.0 *				
		0	_		Morphological Adaptations (Explain) *				
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Bromus inermis	25	Y	UPL					
2.	Phleum pratense	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Trifolium hybridum	20	Y	FACU	present, unless disturbed or problematic.				
4.	Fragaria virginiana	15	Ν	FACU	Definitions of Vegetation Strata:				
5.	Taraxacum officinale	10	Ν	FACU					
6	Melilotus officinalis	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Cirsium arvense	5	N	FACU	height (DBH), regardless of height.				
8.					Operational Operator Woody plants less than 2 in DPU regardless of height				
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10. 11.				-					
11.					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 St	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.	Tatal Origina	0							
Remarks:	Total Cover =		s The ver	netation h	as been moderately grazed				
Remarks: The vegetation is dominated by non-hydrophytic species. The vegetation has been moderately grazed.									
Additional Remarks:									