WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/02/14	
Applicant: Enbridge										County:	Red Lake	
Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:	139A		NWI Classification:									
	Landform: Side slope Local Relief: VL Sample Point: u-151n42w15-r1 Slope (%): 26 - 60% Latitude: 47.905561 Longitude: -96.019398 Datum:											
Slope (%):	26 - 60%		Latitude: 47.9					Datum:				
		nditions on the site			ar? (If no, exp			⊡Yes		Section:		
Are Vegetati					e normal circumstances present? ☑ Yes □No			Township:				
Are Vegetati		G or Hydrology		roblematic?			⊡ res			Range:	Dir:	
			N.					Lludrie Cail	- Dresent?	Ne		
, , , , , , , , , , , , , , , , , , , ,				No No			Hydric Soils Present? Is This Sampling Poin				etland? No	
Remarks:	The upland	sample point is loc			side ditch y	vetland o	on a steen slon	e next to the	npling Poin a road			
Remarks.									51000.			
HYDROLOG	V											
				<i></i> .								
		icators (Check all	that apply; I	Vinimum of or	ne primary	or two se	econdary requir	ed):	C			
Primary	<u>/:</u> A1 - Surface \	Nater		П	B11 - Salt C	Crust			Secondary:	B6 - Surface S	oil Cracks	
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface	
	A3 - Saturatio						e Odor 🛛 🗖					
	B1 - Water M			H	C2 - Dry Se	eason Wate	ter Table				Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen B3 - Drift Dep			C4 - Presence of Reduced Iron						C8 - Crayfish E	n Visible on Aerial Imagery	
	B4 - Algal Ma									D2 - Geomorp		
	B5 - Iron Dep				Other (Expl	ain)				D5 - FAC-Neu		
	B7 - Inundatio B9 - Water-Si	n Visible on Aerial Im	agery							D7 - Frost-Hea	ved Hummocks (LRR F)	
	D9 - Waler-Si	aneu Leaves										
Field Obser	vations:											
	ter Present?	Voc 🗖	Dop	th	(in)							
Water Table		Yes Ves	Dep	th: th:	_ (in.) (in.)			Wetland H	ydrology l	Present?	Ν	
Saturation Present? Yes Depth: (in.)												
	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
					-	-	if available:					
Describe Rec Remarks:		stream gauge, monit or secondary indic			-	-	if available:					
Remarks:					-	-	if available:					
Remarks: SOILS	No primary	or secondary indic	ators of wet	land hydrology	y were obse	erved.		dicators)				
Remarks: SOILS Profile Descr	No primary		eded to doc	land hydrology	y were obse	erved.	e absence of in					
Remarks: SOILS Profile Descr	No primary	or secondary indic	eded to doc	land hydrology	y were obse	erved.	e absence of in					
Remarks: SOILS Profile Descr	No primary	or secondary indic	eded to doc	land hydrology	y were obse	erved.	e absence of in ore Lining, M=Matri					
Remarks: SOILS Profile Descr	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	eded to doc	ument the indi	y were obse icator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matri		Texture		Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	eded to doc atrix, CS=Cover	ument the indi	y were obse icator or co Grains; Locat	erved. Infirm the ion: PL=Po Mottle	e absence of in ore Lining, M=Matri	x)	Texture		Remarks	
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) NRCS Hyde RCS Hyde	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Color (Moist) Indicators (ch ipedon stic	eded to doc atrix, CS=Cover	ument the indi red/Coated Sand	were observed to the second se	Mottle	e absence of in ore Lining, M=Matri SS Type	x) Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St	luck (LRR I, J) Prairie Redox (urface (LRR G)	2 <u>Soils1</u> LRR F, G, H)	
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Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) NRCS Hyde NRCS Hyde C	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) ck (LRR FGH) d Below Dark Surface ark Surface	eded to doc atrix, CS=Cover	Land hydrology	were observed to be a construction of the cons	mfirm the ion: PL=Po	e absence of in re Lining, M=Matri S Type Type		Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio ced Vertic Parent Material	2 <mark>Soils¹</mark> LRR F, G, H) MS (LRR H, outside MLRA 72, 73)	
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) NRCS Hydi NRCS Hydi C	No primary iption (Descri- intration, D=Depl ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral	eded to doc atrix, CS=Cover	Land hydrology	were observed to be a construction of the cons	mfirm the ion: PL=Po	e absence of in ore Lining, M=Matri SS Type		Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio ed Vertic Parent Material Shallow Dark S	2 <mark>Soils¹</mark> LRR F, G, H) MS (LRR H, outside MLRA 72, 73)	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-r1					
VEGETATIO	N (Species identified in all uppercase and Plot size: 30 ft. radius)	e non-native	species.)							
	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: 2 (B)					
5.										
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)					
7.										
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.	Tatal Osura	0			$OBL spp. 0 \qquad x \ 1 = 0$					
	Total Cover =	0	_		FACW spp. 0 $x = 0$					
Carling/Chryb					FAC spp. 0 $x 3 = 0$					
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. <u>55</u> x 4 = <u>220</u> UPL spp. <u>35</u> x 5 = <u>175</u>					
2.										
3.	<u> </u>				Total <u>90</u> (A) <u>395</u> (B)					
4.	<u> </u>									
5.					Prevalence Index = B/A = 4.389					
6.	<u></u>									
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	0			Prevalence Index is ≤ 3.0 *					
			_		Morphological Adaptations (Explain) *					
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Bromus inermis	35	Y	UPL						
2.	Poa pratensis	30	Y	FACU	* Indicators of hydric soil and wetland hydrology must be					
3.	Trifolium hybridum	15	N	FACU	present, unless disturbed or problematic.					
4.	Setaria pumila	5	N	FACU	Definitions of Vegetation Strata:					
5.	Lotus comiculatus	5	N	FACU						
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.					height (DBH), regardless of height.					
8.					On the Ohn to Maady slasts less than 2 in DDL recordings of height					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.										
11.					Herb - All herbaceous (non-woody) plants, regardless of size.					
12.					Herb - An Herbaceeds (her woody) plants, regardless of size.					
13. 14.										
14.	<u> </u>			_	Woody Vines - All woody vines, regardless of height.					
15.	Total Cover -	00			Woody Winds - Marcely Marcely Constraints					
	Total Cover =	90								
Woody Vine St	ratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.										
	Total Cover =	0								
Remarks: The vegetation is dominated by non-hydrophytic species and has been recently mowed. Bare ground is present at approximately 10%.										
Additional Remarks:										