## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R Applicant: Enbridge										Date:	09/30/14	
Applicant: Enbridge Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56						County: State:	Red Lake MN	
Soil Unit: 159A				NWI Classification:						Otate.		
Landform:	Talf			Lo	cal Relief:					Sample Point	u-151n42w15-e1	
Slope (%):	0 - 2%		Latitude: 47.89		Longitude:			Datum:				
Are climatic/h	hydrologic co	nditions on the site	e typical for th	is time of yea	ar? (If no, exp				□ No	Section:		
Are Vegetation							e normal circumstances present?			Township:		
Are Vegetation		D or Hydrology	Laturally pro	blematic?			Yes	□No		Range:	Dir:	
SUMMARY OF FINDINGS Hydrophytic Vegetation Present? No Hydric Soils Present? No												
, , , , , , , , , , , , , , , , , , , ,				No							atland2 No	
Remarks:	The sample	point is located sl	No lightly upslope	from the we	tland in a l	arge cat	tle nasture	is this Sal	mpling Poir	nt Within A W	etland? No	
Remarks.	The sample	point is located si		e nom the we		arge car	lie pasture.					
HYDROLOG	Y											
		icators (Check all	that apply: M	inimum of on	e nrimarv	or two se	econdary requi	red).				
Primary			that apply, M		c primary	01 100 30	condary requi	icu).	Secondary:	:		
A1 - Surface Water					B11 - Salt (					B6 - Surface S		
	A2 - High Wa A3 - Saturatio				B13 - Aqua C1 - Hydro					B8 - Sparsely B10 - Drainage	Vegetated Concave Sur	face
	B1 - Water M				C2 - Dry Se	ason Wa	ter Table				Rhizospheres on Living I	Roots (tilled)
	B2 - Sedimen				C3 - Oxidiz	ed Rhizos	pheres on Living	Roots (not till	• 🗖	C8 - Crayfish I		· · ·
	B3 - Drift Dep B4 - Algal Ma				C4 - Prese C7 - Thin M						n Visible on Aerial Image	ery
	B5 - Iron Dep				Other (Exp		ice			D2 - Geomorp D5 - FAC-Neu		
	B7 - Inundatio	on Visible on Aerial Im	lagery	_	<b>v</b> r	- /					aved Hummocks (LRR F	-)
	B9 - Water-St	tained Leaves										
Field Observ	votiona											
Surface Wate		Vee 🗖	Dooth		(in)							
Water Table		Yes 🔲 Yes 🔲		: :				Wetland H	lydrology	Present?	Ν	
Saturation Pr		Yes			(in.)							
Doscribo Poo	ordod Data (a	stroom gougo moni	itoring woll an	rial photos pr		octions)	if available:					
		stream gauge, moni	-				if available:					
Describe Reco Remarks:		stream gauge, moni or secondary indic	-				if available:					
			-				if available:					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	ment the indi	were obs	erved.	e absence of ir					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	ment the indi	were obs	erved.	e absence of ir					
Remarks: SOILS Profile Descri	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced Ma	eded to docu	ment the indi	were obs	erved. onfirm the tion: PL=Pe	e absence of ir ore Lining, M=Matr					
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	ment the indi	cator or co Grains; Locat	erved. onfirm the ion: PL=Po Mottle	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr	No primary iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/2 Indicators (ch ipedon	eeded to docu atrix, CS=Covere % 100 98 eeck here if in	ment the indid d/Coated Sand ( Color (I Hue_10YR dicators are r	were obs cator or cc Grains; Local Moist) 4/6 4/6 not presen edox Matrix	erved. onfirm the ion: PL=Po Mottle % 2 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators 1 A9 - 1 cm M	luck (LRR I, J) Prairie Redox	: <b>Soils¹</b> ∶LRR F, G, H)	
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: u-151n42w15-e1				
VEGETATIO	N (Species identified in all uppercase and (Plot size: 30 ft. radius)	e non-native	species.)						
Thee Stratum	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: 5 (B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: <u>Multiply by:</u>				
10.					OBL spp. 5 x 1 = 5				
	Total Cover =	0			FACW spp. $25$ x 2 = $50$				
					FAC spp. 0 $x^3 = 0$				
	Stratum (Plot size: 15 ft. radius)	<b>F</b>	V	EACU	FACU spp. 70 x 4 = $280$				
1. 2.	Rosa acicularis	5	Y	FACU	UPL spp. 0 x 5 = 0				
<u> </u>					Total 100 (A) $225$ (D)				
3. 4.					Total 100 (A) 335 (B)				
4. 5.	<u> </u>				Prevalence Index = B/A = 3.350				
5. 6.	<u> </u>				Prevalence Index = B/A = <u>3.350</u>				
0. 7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					Dominance Test is > 50%				
10.	Total Cover =	5			Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Agrostis gigantea	25	Y	FACW	································				
2.	Phleum pratense	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Symphyotrichum ericoides	15	Y	FACU	present, unless disturbed or problematic.				
4.	Fragaria virginiana	15	Y	FACU	Definitions of Vegetation Strata:				
5.	Symphyotrichum ericoides	10	Ν	FACU					
6	Solidago nemoralis	10	Ν		Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Poa pratensis	5	Ν	FACU	height (DBH), regardless of height.				
8.	Carex pellita	5	Ν	OBL					
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.	<u> </u>								
14.	<u> </u>			-	Manda Manne Allwoody visco regardless of height				
15.		405			Woody Vines - All woody vines, regardless of height.				
	Total Cover =	105	_						
Woody Viza Ct	ratum (Plot oizo: 20 ft radius)								
Woody Vine St 1.	ratum (Plot size: 30 ft. radius)								
2.									
3.	<u> </u>				Hydrophytic Vegetation Present? N				
5.									
4.									
	Total Cover =	0							
Remarks:	The vegetation is moderately grazed.	-							
Additional									
Additional F	Additional Remarks:								
<u>.</u>									