WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/02/14						
Applicant: Enbridge										County:	Red Lake						
Investigators: BJC/RAJ				Subregion (MLRA or LRR): MLRA 56						State:	MN						
Soil Unit:	<u>138A</u>			NWI Classification:													
Landform:	Footslope				cal Relief:			<u> </u>		Sample Point:	<u>u-150n41w1-f1</u>						
Slope (%):	3 - 7%		Latitude: 47.844			-95.85325		Datum:									
		nditions on the site			ar? (If no, exp				□ No	Section:							
Are Vegetation		G or Hydrology				Are n	ormal circum	•	esent?	Township:							
Are Vegetation		🖵 or Hydrology	Liturally prot	plematic?			⊡ Yes	□No		Range:	Dir:						
SUMMARY C									-								
Hydrophytic	•		No				Hydric Soils Present? Is This Sampling Poin										
Wetland Hyd			No							it Within A W	etland? No						
Remarks:	I ne upland	sample point is loo	cated in a gras	sland domir	nated by sr	mooth brom	ne and Kentu	icky bluegra	ISS.								
HYDROLOG	Y																
Wetland Hy	drology Ind	icators (Check all	that apply; Mir	nimum of on	e primary	or two seco	ondary requii	red):									
Primary				_		. .			Secondary:								
	A1 - Surface				B11 - Salt (B13 - Aqua					B6 - Surface S							
	A2 - High Wa A3 - Saturatio					igen Sulfide (Odor				Vegetated Concave Surface						
	B1 - Water M				C2 - Dry Se	eason Water	Table				Rhizospheres on Living Roots (tilled)						
	B2 - Sedimen	t Deposits			C3 - Oxidiz	ed Rhizosph	eres on Living	Roots (not tille		C8 - Crayfish E	Burrows						
	B3 - Drift Dep					nce of Reduc					Visible on Aerial Imagery						
	B4 - Algal Ma B5 - Iron Dep					Auck Surface	•			D2 - Geomorp D5 - FAC-Neu							
		on Visible on Aerial Im	agery		Other (Exp	iairi)					aved Hummocks (LRR F)						
	B9 - Water-Si		lagery						-	D7 - 1103(-1102							
_																	
Field Obser	vations:																
Surface Wat		Yes 🛛	Depth [.]		(in.)												
Water Table		Yes	Depth:		(in.)			Wetland H	ydrology l	Present?	N						
Saturation Pr		Yes			(in.)						—						
					,												
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:																	
Deversion	March 1997					bections), if a	available:										
Remarks:	No indicato	rs of wetland hydro				Dections), if a	available:										
	No indicato					Dections), if a	available:										
SOILS		rs of wetland hydro	ology were obs	erved.				dicators)									
SOILS Profile Descri	iption (Descri		eded to docum	erved. nent the indi	cator or cc	onfirm the a	absence of in										
SOILS Profile Descri	iption (Descri	rs of wetland hydro be to the depth ne	eded to docum	erved. nent the indi	cator or cc	onfirm the a	absence of in										
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SOILS Profile Descri	iption (Descri	ts of wetland hydro be to the depth ne etion, RM=Reduced Ma Matrix	eded to docum	erved. nent the indi	cator or co Grains; Locat	onfirm the a tion: PL=Pore	absence of in		Texture		Remarks						
SOILS Profile Descri (Type: C=Concer	ption (Descrintration, D=Depl	ts of wetland hydro be to the depth ne etion, RM=Reduced Ma	blogy were obs reded to docum atrix, CS=Covered	erved. nent the indi /Coated Sand	cator or co Grains; Locat	onfirm the a tion: PL=Pore Mottles	absence of in Lining, M=Matr	ix)	Texture		Remarks						
SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Descri	ts of wetland hydro be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docum atrix, CS=Covered %	erved. nent the indi /Coated Sand	cator or co Grains; Locat	onfirm the a tion: PL=Pore Mottles	absence of in Lining, M=Matr	ix)			Remarks						
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-150n41w1-f1				
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: 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: (A/B)				
7. 8.					Prevalence Index Worksheet				
0. 9.									
10.					Total % Cover of: Multiply by: OBL spp. 0 x 1 = 0				
10.	_ Total Cover =	0			FACW spp. 0 \times 2 = 0				
			_		FAC spp. 10 $x 3 = 30$				
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 55 x 4 = 220				
1.					UPL spp. 35 x 5 = 175				
2.									
3.					Total 100 (A) 425 (B)				
4.									
5.					Prevalence Index = B/A = 4.250				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.	 Total Cavar =	0			Dominance Test is > 50%				
	Total Cover =	0	_		$\underline{\qquad \qquad } Prevalence Index is \leq 3.0 *$				
Horb Stratum (Plot size: 5 ft. radius)				Morphological Adaptations (Explain) * Problem Hydrophytic Vegetation (Explain) *				
1.	Bromus inermis	35	Y	UPL					
2.	Poa pratensis	25	Ý	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Cirsium arvense	15	Ň	FACU	present, unless disturbed or problematic.				
4.	Solidago altissima	10	Ν	FACU	Definitions of Vegetation Strata:				
5.	Solidago gigantea	10	Ν	FAC					
6	Symphyotrichum ericoides	5	Ν	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.					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.	1				Woody Vines - All woody vines, regardless of height.				
15.	Tatal Occur	100			WUUUY VIIIES - A W WUUUY VIIIES, TEGALUIESS OI HEIGHIL				
	Total Cover =	100	_						
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
	Total Cover =								
Remarks:	The upland sample point is dominated by sr	nooth brom	e and Ke	ntucky blu	egrass.				
Additional Remarks:									