WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/13/14	
Applicant: Enbridge										County:	Red Lake	
Investigators: BEH/NTT					Subregion (MLRA or LRR): MLRA 56					State:	MN	
Soil Unit: <u>17A</u>						NWI Classification:						
Landform:	Side slope		1		cal Relief:		2402	Deture		Sample Point:	<u>u-150n41w2-b1</u>	
Slope (%):	<u>8 - 15%</u>		Latitude: 47.		Longitude:			Datum		Castian		
		nditions on the site			di? (If no, exp		e normal circun			Section:		
Are Vegetation						Are	e normal circun	Istances pr	esent?	Township:	Di	
SUMMARY C				roblematic?			🖻 Tes			Range:	Dir:	
Hydrophytic '			No							Ne		
	•			Hydric Soils Present? No Is This Sampling Point With						otland? No		
Wetland Hyd Remarks:		ple point upslope	No from a wetta	nd complex 1	ocated in	a field ne	avt to a corn fie		mpling Poli		etland? No	
Remarks.	Opianu san	ipie point upsiope	nom a weuz	ind complex. L		a neiu ne		au.				
HYDROLOG	V											
-												
		icators (Check all	that apply; I	Vinimum of or	e primary	or two se	econdary requi	red):				
Primary:	: A1 - Surface \	Nator			B11 - Salt (Cruct			Secondary:	: B6 - Surface S	oil Crocks	
	A2 - High Wa				B13 - Aqua						legetated Concave Surfa	ace
	A3 - Saturatio				C1 - Hydro	gen Sulfid				B10 - Drainage	Patterns	
	B1 - Water Ma				C2 - Dry Se	eason Wat	ter Table				Rhizospheres on Living F	toots (tilled)
	B2 - Sedimen B3 - Drift Dep				C3 - Oxidiz C4 - Prese	ed Rhizos	pheres on Living	Roots (not til		C8 - Crayfish E	Burrows I Visible on Aerial Imager	n /
	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp		у
	B5 - Iron Dep				Other (Exp					D5 - FAC-Neu	ral Test	
		n Visible on Aerial Im	agery							D7 - Frost-Hea	ved Hummocks (LRR F))
	B9 - Water-St	ained Leaves										
Field Obser		_										
Surface Wat			Dep	th:	(in.)			Wetland H	Hydrology	Present?	Ν	
Water Table		Yes 🛛		th:					,			
Saturation Pi	resent?	Saturation Present? Yes Depth: (in.)										
Describe Rec	orded Data (s	tream gauge, moni	itoring well, a	erial photos, pr	,	ections),	if available:					
Describe Rec Remarks:		tream gauge, moni or secondary hydro	-		evious insp	ections),	if available:					
Remarks:			-		evious insp	ections),	if available:					
Remarks: SOILS	No primary	or secondary hydro	ological indi	cators observe	evious insp ed.	·						
Remarks: SOILS Profile Descri	No primary	or secondary hydro be to the depth ne	eded to doc	cators observe	evious insp ed. cator or co	onfirm the	e absence of ir					
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Remarks: SOILS Profile Descri	No primary	or secondary hydro be to the depth ne etion, RM=Reduced Ma	eded to doc	cators observe	evious insp ed. cator or co	onfirm the tion: PL=Pc	e absence of ir pre Lining, M=Matr					
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary hydro be to the depth ne etion, RM=Reduced Ma Matrix	ological indi eeded to doc atrix, CS=Cove	ument the indi	evious insp ed. cator or cc Grains; Local	onfirm the tion: PL=Pc Mottle	e absence of ir ore Lining, M=Matr	ix)	Tavtura		Pamarka	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-150n41w2-b1			
VEGETATION Tree Stratum (N (Species identified in all uppercase an Plot size: 30 ft. radius)	re non-native	species.)					
(<u>Species Name</u>	% 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: Multiply by:			
10.					OBL spp. <u>10</u> x 1 = <u>10</u>			
	Total Cover =	0	_		FACW spp. 15 x 2 = 30			
0 11 101 1					FAC spp. 5 $x 3 = 15$			
	Stratum (Plot size: 15 ft. radius)				FACU spp. 90 x 4 = 360			
1. 2.					UPL spp. 10 X 5 = 50			
2. 3.					Total 130 (A) 465 (B)			
3. 4.					Total <u>130</u> (A) <u>465</u> (B)			
4. 5.					Prevalence Index = B/A = 3.577			
5. 6.								
0. 7.								
8.					Hydrophytic Vegetation Indicators:			
9.	<u></u>				Rapid Test for Hydrophytic Vegetation			
10.					Dominance Test is > 50%			
10.	Total Cover =	0			Prevalence Index is ≤ 3.0 *			
			_		Morphological Adaptations (Explain) *			
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Poa pratensis	60	Y	FACU				
2.	Trifolium hybridum	10	Y	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Cirsium arvense	10	Y	FACU	present, unless disturbed or problematic.			
4.	Phalaris arundinacea	10	Y	FACW	Definitions of Vegetation Strata:			
5.	Bromus inermis	10	Y	UPL				
6	Persicaria amphibia	5	Ν	OBL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast			
7.	Taraxacum officinale	5	Ν	FACU	height (DBH), regardless of height.			
8.	Symphyotrichum lanceolatum	5	Ν	FACW				
9.	Sonchus arvensis	5	Ν	FAC	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.			
10.	Carex granularis	5	Ν	OBL				
11.	Solidago canadensis	5	Ν	FACU				
12.					Herb - All herbaceous (non-woody) plants, regardless of size.			
13.								
14.								
15.					Woody Vines - All woody vines, regardless of height.			
	Total Cover =	130	_					
M								
	ratum (Plot size: 30 ft. radius)							
1. 2.								
3.					Hydrophytic Vegetation Present? N			
5.								
4.	1							
т.	Total Cover =	0						
Remarks:	Sample site dominated by Kentucky bluegra		clover, Ca	nada thist	le, reed canary grass, and smooth brome.			
Additional Remarks:								