WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/30/14	
Applicant:		Enbridge								County:	Red Lake	
Investigators		LEB/DGL			Subregion	n (MI RA	or LRR).	MLRA 56		State:	MN	
Soil Unit:	160A	LLD/D OL			Cubi ogioi	•	Classification:			Otato.		
					aal Daliafi		Ciassilication	·			454-40-45 -0	
Landform:	Rise				cal Relief:					Sample Point:	u-151n42w15-c3	
Slope (%):	0 - 2%		Latitude: 47.9		Longitude:			Datum:				
Are climatic/		nditions on the site		nis time of yea	ar? (If no, exp			⊡Yes	□ No	Section:		
Are Vegetati	on 🖵 Soil	☐ or Hydrology	□ qnificantl	y disturbed?		Are	normal circun	nstances pr	esent?	Township:		
Are Vegetati		☐ or Hydrology					Yes	□No		Range:	Dir:	
SUMMARY (001011141101						rango.	5	
Hydrophytic '			No		_				Is Present?			
Wetland Hyd			No							nt Within A We	etland? No	
Remarks:	The sample	point is located in	a small upla	nd island with	in a wet m	neadow th	hat runs throug	gh cattle pas	sture.			
	•		•									
HYDROLOG	V											
HYDROLOG	Y											
Wetland Hy	droloay Ind	icators (Check all	that apply: M	linimum of on	e primary	or two se	econdary requi	red):				
Primary		(Secondary	,		
	A1 - Surface \	Nater		П	B11 - Salt (Crust				B6 - Surface S	oil Cracks	
I =	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface	
1 5	A3 - Saturation				C1 - Hydro		e Odor			B10 - Drainage		
I	B1 - Water M				C2 - Dry Se						Rhizospheres on Living Roots (tilled)
1 6	B2 - Sedimen						pheres on Living	Roots (not till		C8 - Crayfish E		uncuj
1 5	B3 - Drift Dep				C4 - Prese			rtoots (not th			Nisible on Aerial Imagery	
1 6	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp		
1	B5 - Iron Dep				Other (Exp					D5 - FAC-Neut		
1 6		n Visible on Aerial Im	anery	_	Other (Exp	iairi					aved Hummocks (LRR F)	
	B9 - Water-St		lager y						_	D7 - 1103(-1100	ived Hammocks (ERRY)	
_	20 114101 01	aoa 20a.00										
						-						
Field Obser	vations:											
Surface Wat	er Present?	Yes	Depth	n:	(in.)			VA/ - 411 1		D40	N	
Water Table	Present?	Yes 🔲	Depth	n:	(in.)			wetiand F	Hydrology	Present?	N	
Saturation P		Yes			(in.)						_	
Saturation	i esent:	res 🗀	Depth	l.	(111.)							
					•							
Describe Rec	orded Data (s	tream gauge, moni	itoring well, ae	rial photos, pr	evious insp	ections),	if available:					
							if available:					
Describe Rec Remarks:		stream gauge, moni or secondary indic					if available:					
Remarks:							if available:					
Remarks:	No primary	or secondary indic	cators of wetla	and hydrology	were obs	erved.						
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	and hydrology	were obs	erved.	e absence of ir					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	and hydrology	were obs	erved.	e absence of ir					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	and hydrology	were obs	erved.	e absence of ir					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docu	and hydrology	were obs	erved.	e absence of ir ore Lining, M=Mati		ı			
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indices be to the depth neletion, RM=Reduced Matrix	eeded to docu	and hydrology ment the indi	were obscartor or co	erved. onfirm the tion: PL=Po	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-c3			
VEGETATION	N (Species identified in all uppercase are	non-native	species.)					
Tree Stratum (Plot size: 30 ft. radius)							
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet			
1.								
2.					Number of Dominant Species that are OBL, FACW, or FAC:(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: 33.3% (A/B)			
7.								
8.					Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.					OBL spp. 0 x 1 = 0			
	Total Cover =	0			FACW spp. 20 x 2 = 40			
	-		_		FAC spp. 0 x 3 = 0			
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 80 x 4 = 320			
1.					UPL spp. 0 x 5 = 0			
2.								
3.					Total 100 (A) 360 (B)			
4.					· · · · · · · · · · · · · · · · · · ·			
5.					Prevalence Index = B/A = 3.600			
6.								
7.								
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					Dominance Test is > 50%			
10.	Total Cover =	0			Prevalence Index is ≤ 3.0 *			
	Total cover _		_		Morphological Adaptations (Explain) *			
Herh Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Phleum pratense	30	Υ	FACU	1 Toblem Hydrophydic Vegetation (Explain)			
2.	Agrostis gigantea	20	Y	FACW	* Indicators of hydric soil and wetland hydrology must be			
3.	Trifolium hybridum	20	Y	FACU	present, unless disturbed or problematic.			
4.	Symphyotrichum ericoides	15	N .	FACU	Definitions of Vegetation Strata:			
5.	Fragaria virginiana	10	N	FACU	Deminions of Vegetation Strata.			
6	Taraxacum officinale	5	N	FACU	Tree			
7.	raraxacum omemare	5	IN	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.			
8.					. 3 . (
9.				_	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.			
10.					Sapining/Silitub - Woody Planto loss than one. BBH, Togardiess of Holgiti.			
11.					Herb - All herbaceous (non-woody) plants, regardless of size.			
12.					Herb - All Herbaceous (Holl-woody) plants, regardless of size.			
13.								
14.				_	Woody Vines - All woody vines, regardless of height.			
15.	7.1.0	400			WOODY VILLES - All WOODY VILLES, regardless of neight.			
]	Total Cover = _	100	_					
	ratum (Plot size: 30 ft. radius)							
1.				_				
2.				_				
3.				_	Hydrophytic Vegetation Present? N			
5.								
4.				_				
<u> </u>	Total Cover =	. 0						
Remarks:	The vegetation is dominated by non-hydrophy	ytic specie	s and is h	eavily gra	zea.			
Additional Remarks:								