WETLAND DETERMINATION DATA FORM Great Plains Region

		LOD									Data	10/00/14	
Project/Site:		L3R									Date:	10/02/14	
Applicant:		Enbridge									County:	Red Lake	
Investigators		LEB/DGL				Subregion		or LRR):	MLRA 56		State:	MN	
Soil Unit:	139A						NWI	Classification:					
Landform:	Side slope				Loc	cal Relief:					Sample Point:	u-151n42w15-v1	
Slope (%):	0 - 2%		Latitude: 4	17.905	218	Longitude:	-96.017	709	Datum:				
Are climatic/h	hydrologic co	nditions on the site	te typical fo	or this	time of year				⊡Yes	□No	Section:		
Are Vegetation		☐ or Hydrology			disturbed?			normal circum		esent?	Township:		
Are Vegetation		or Hydrology					,	☑ Yes	□No	000	Range:	Dir:	
		, , ,,	Litturally	y prob	nematic:			1 103			Range.	DII.	
SUMMARY C											.,		
Hydrophytic \			_	No						Is Present?			
Wetland Hyd				No						mpling Poin	nt Within A W	etland? No	
Remarks:	The upland	sample point is lo	cated ups	slope f	rom the wet	land on a	slight slo	ope in a hay fie	ld.				
HYDROLOG'	Υ												
		icators (Check all	I that apply	y; Min	imum of on	e primary	or two se	econdary requir	ed):				
Primary:					_					Secondary:			
	A1 - Surface					B11 - Salt (B6 - Surface S		
	A2 - High Wa					B13 - Aqua		- Od			B8 - Sparsely V	Vegetated Concave Surface	
l H	A3 - Saturation B1 - Water M				☐ C1 - Hydrogen Sulfide Odor ☐ C2 - Dry Season Water Table							e Patterns Rhizospheres on Living Roots (t	tilled)
I	B2 - Sedimen							spheres on Living	Roots (not till		C8 - Crayfish E		,iiicu)
	B3 - Drift Dep					C4 - Prese			110010 (1101 1111			Visible on Aerial Imagery	
1 5	B4 - Algal Ma					C7 - Thin N					D2 - Geomorp		
l =	B5 - Iron Dep					Other (Exp					D5 - FAC-Neut		
	B7 - Inundation	n Visible on Aerial Im	nagery				•				D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves											
Field Observ	vations:												
Surface Water		Yes	_)onth:		(in)							
		=		Depth:		(in.)			Wetland F	lydrology I	Present?	N	
Water Table		Yes 🔲				(in.)							
Saturation Pr	resent?	Yes	D	Depth:		(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Decr	orded Data (s	tream gauge, moni	itorina well	I. aeria	al photos, pre	vious insp	ections).	if available:					
								if available:					
Remarks:		stream gauge, moni or secondary indic						if available:					
Remarks:								if available:					
Remarks:	No primary	or secondary indic	cators of w	vetlan	d hydrology	were obs	erved.		digators \				
Remarks: SOILS Profile Descri	No primary	or secondary indicates be to the depth ne	cators of w	vetlan docum	d hydrology	were obs	erved.	e absence of in					
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-v1
VEGETATIO	N (Species identified in all uppercase are	e 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: 1 (A)
3.					` `
4.					Total Number of Dominant Species Across All Strata: 4 (B)
5.					Total Number of Bonnian opposite / Groce / III ottala.
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)
					reicent of Dominant Species That Ale Obl., FACW, of FAC. 25.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.	<u>_</u>				OBL spp. <u>15</u> x 1 = <u>15</u>
	Total Cover =	0			FACW spp. 15 x 2 = 30
					FAC spp. 0 x 3 = 0
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 60
1.					UPL spp. 15 x 5 = 75
2.					···
3.					Total 105 (A) 360 (B)
4.					. Stall 100 (1)(D)
					Dravelance Index = D/A = 2 400
5.					Prevalence Index = B/A = 3.429
6.					
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) *
Herh Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Fragaria virginiana	25	Υ	FACU	rrobidii riyaropiiyaa vagatataii (Explaiii)
2.	Carex pellita	15	· Y	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Bromus inemis		Y	UPL	present, unless disturbed or problematic.
		15			
4.	Lotus comiculatus	15	Y	FACU	Definitions of Vegetation Strata:
5.	Poa pratensis	10	N	FACU	
6	Symphyotrichum ericoides	10	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Agrostis gigantea	10	N	FACW	height (DBH), regardless of height.
8.	Anemone canadensis	5	N	FACW	
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.				_	Woody Vines - All woody vines, regardless of height.
15.					vvoody villes - All woody villes, regaldless of neight.
	Total Cover =	105	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? N
5.				-	
4.					
7.	Total Cover =	0			
Domorko	The vegetation is dominated by non-hydroph				
Remarks:	The vegetation is dominated by non-nydroph	ylic specie	2 S.		
Additional F	Remarks:				