WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/02/14	
Applicant:		Enbridge									County:	Red Lake	
Investigators	:	LEB/DGL				Subregio	n (MLRA	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	I50A						NW	I Classification:					
Landform:	Talf				Lo	cal Relief:	LL		-		Sample Point	u-151n42w15-z1	
Slope (%):	0 - 2%		Latitude: 47	7.8986	631	Longitude:	-96.018	3942	Datum:		1		
		nditions on the site							⊡Yes	□No	Section:		
Are Vegetation	, ,	☐ or Hydrology	71		,	(,		e normal circun			Township:		
Are Vegetation		or Hydrology					7 (1)	☑ Yes	□No	COCITE:		Dir:	
SUMMARY C			Liturally	probl	ematic:			1 103			Range:	DII.	
Hydrophytic \			No.							Is Present?			
Wetland Hyd			No						Is This Sai	mpling Poin	nt Within A W	etland? No	
Remarks:	The upland	sample point is loo	cated upsid	ope fr	om the we	tland in a l	large cat	ttle pasture.					
HYDROLOG	Y												
Wetland Hy	drology Indi	cators (Check all	that annly	· Mini	mum of on	e nrimary	or two s	econdary requi	red).				
Primary:		cators (Crieck all	triat apply	, IVIII III	illulli oi oli	e primary	OI tWO S	econdary requi	ieu).	Secondary:			
	A1 - Surface \	Vater .				B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wat					B13 - Aqua		1				Vegetated Concave Sur	face
	A3 - Saturatio					C1 - Hydro					B10 - Drainag		
	B1 - Water Ma	arks				C2 - Dry So						Rhizospheres on Living	Roots (tilled)
	B2 - Sedimen	t Deposits						spheres on Living	Roots (not till		C8 - Crayfish	Burrows	, ,
	B3 - Drift Dep							educed Iron				n Visible on Aerial Image	ery
	B4 - Algal Mat					C7 - Thin N		ace			D2 - Geomorp		
	B5 - Iron Depo					Other (Exp	lain)				D5 - FAC-Neu		
		n Visible on Aerial Im	agery								D7 - Frost-He	aved Hummocks (LRR F	=)
	B9 - Water-St	ained Leaves											
								•					
Field Observ													
Surface Water	er Present?	Yes	De	epth:		(in.)			Mada a d	ludual a aut l	D=====42	N1	
Water Table	Present?	Yes	De	epth:		(in.)			welland F	lydrology l	Present?	N	
Saturation Pr	_											_	
		Yes 🗆		epth:		(in.)							
Describe Reco	orded Data (s	tream gauge, moni	itoring well,	aerial	l photos, pre	evious insp		, if available:					
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Describe Reco	orded Data (s	tream gauge, moni	itoring well,	aerial	l photos, pre	evious insp		, if available:					
Describe Reco	orded Data (s No primary	tream gauge, monitor secondary indic	itoring well, cators of we	aerial etland	l photos, pred hydrology	evious insp	erved.						
Describe Reco Remarks: SOILS Profile Descri	No primary ption (Descri	or secondary indic	itoring well, cators of we	aerial etland	I photos, pro	evious insp were obs	erved.	ne absence of ir					
Describe Reco Remarks: SOILS Profile Descri	No primary ption (Descri	tream gauge, monitor secondary indic	itoring well, cators of we	aerial etland	I photos, pro	evious insp were obs	erved.	ne absence of ir					
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-z1		
VEGETATIO		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:(B)		
5.							
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)		
7.							
8.					Prevalence Index Worksheet		
9.					Total % Cover of: Multiply by:		
10.					OBL spp. 10 x 1 = 10		
	Total Cover =	0			FACW spp. 30 x 2 = 60		
			_		FAC spp. 10		
Sanling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACU spp. 55 x 4 = 220		
1.	Stratum (Flot Size. 13 it. radius)				UPL spp. 0 $\times 5 = 0$		
2.					σ. 2 ορφ. <u> </u>		
3.					Total 105 (A) 220 (P)		
					Total 105 (A) 320 (B)		
4.					Duration later DA COS		
5.					Prevalence Index = B/A = 3.048		
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) *		
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Phleum pratense	30	Υ	FACU			
2.	Agrostis gigantea	30	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be		
3.	Lotus comiculatus	15	N	FACU	present, unless disturbed or problematic.		
4.	Juncus tenuis	10	N	FAC	Definitions of Vegetation Strata:		
5.	Taraxacum officinale	10	N	FACU	•		
6	Carex granularis	10	N	OBL	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.					1161D		
14.				_	Woody Vines - All woody vines, regardless of height.		
15.	7::0	40-			**Outy villes = / w moody villos, regardless of height.		
	Total Cover =	105	_				
	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present?N		
5.							
4.							
	Total Cover =	0					
Remarks:	The vegetation is dominated by non-hydrophy	ytic specie	s and has	been gra	zed.		
]		•		•			
Additional R	Pomarke:						
Auditional R	ACHIGINS.						
]							