WETLAND DETERMINATION DATA FORM Great Plains Region

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Project/Site:		L3R									Date:	10/04/14	
Applicant:		Enbridge									County:	Red Lake	
Investigators	:	BEH/NTT				Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:	I59A		•			· ·		Classification:					
Landform:	Talf				Lo	cal Relief:		0.000000			Sample Point	u-151n42w10-d1	
	0 - 2%		1 00 1 4	47.000				05000	Datum		Sample i oint.	u-1511142W10-u1	
Slope (%):			Latitude: 4			Longitude:			Datum:		4		
Are climatic/l		nditions on the sit		for this	s time of yea	Ir? (If no, exp			⊡Yes	□ No	Section:		
Are Vegetation	on 📮 Soil	☐ or Hydrology	□gnifica	antly o	disturbed?		Are	normal circum	nstances pr	esent?	Township:		
Are Vegetation		☐ or Hydrology		v prob	olematic?			Yes	□No		Range:	Dir:	
SUMMARY C		, , ,,) p. 0.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						rango.	5	
Hydrophytic '				No						Is Present?			
Wetland Hyd	Irology Prese	nt?	N	No					Is This Sa	mpling Poir	nt Within A We	etland? No	
Remarks:	Upland sam	ple point located i	in a hayfie	eld do	minated by	grasses, a	idjacent t	to a small wet r	neadow dig).			
	•		•		,	•	•						
LIVERAL GO	· ·												
HYDROLOG	Y												
Wetland Hy	drology Ind	icators (Check all	I that apply	lv: Min	nimum of on	e primary	or two se	econdary requir	red):				
Primary		.catoro (orroon an	. и.а. арр.	.,,		o pa. y	00 0.	, , , , , , , , , , , , , , , , , , ,		Secondary:	•		
<u> </u>	A1 - Surface \	Water				B11 - Salt (Crust				B6 - Surface S	oil Cracks	
1 5	A2 - High Wa					B13 - Aqua						Vegetated Concave Surface	
1 5	A3 - Saturation					C1 - Hydro		e Odor			B10 - Drainage		
1 5	B1 - Water M					C2 - Dry Se						Rhizospheres on Living Roof	te (tilled)
l H	B2 - Sedimen							pheres on Living	Dooto (not till		C8 - Crayfish E		is (illeu)
									Roots (not til				
	B3 - Drift Dep					C4 - Prese						Visible on Aerial Imagery	
	B4 - Algal Ma					C7 - Thin M		ice			D2 - Geomorp		
	B5 - Iron Dep					Other (Expl	iain)				D5 - FAC-Neut		
		on Visible on Aerial Im	nagery								D7 - Frost-Hea	ived Hummocks (LRR F)	
	B9 - Water-St	ained Leaves											
Field Obser	vations:												
Surface Wat	er Present?	Yes	Г	Depth:		(in.)							
		=							Wetland F	lydrology	Present?	N	
Water Table		Yes 🔲	L	Depth:		(in.)							
Saturation Present? Yes Depth: (in.)													
Saturation Pi	resent?	Yes 🔟		Deptil.		(111.)							
						. ,	ections)	if available:					
Describe Rec	orded Data (s	stream gauge, mon	itoring well	II, aeria	al photos, pre	evious insp	ections),	if available:					
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Describe Reco	orded Data (s	stream gauge, mon	itoring well	II, aeria	al photos, pre	evious insp	ections),	if available:					
Describe Reco	orded Data (s No primary	stream gauge, moni or secondary hydr	itoring well rological ir	II, aeria	al photos, pre tors observe	evious insp d.	·						
Describe Reco	orded Data (s No primary	stream gauge, mon	itoring well rological ir	II, aeria	al photos, pre tors observe	evious insp d.	·		ndicators.)				
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w10-d1		
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: 0 (A)		
3.							
4.					Total Number of Dominant Species Across All Strata:(B)		
5.							
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (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. 0 x 2 = 0		
	10101 00101		_		FAC spp. 0 x 3 = 0		
Capling/Chrub 9	Stratum (Plot cizo: 15 ft radius)						
	Stratum (Plot size: 15 ft. radius)						
1. 2.					UPL spp. <u>25</u> x 5 = <u>125</u>		
					Total 110 (A) 405 (B)		
3.					Total 110 (A) 465 (B)		
4.							
5.					Prevalence Index = B/A = 4.227		
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.	Poa pratensis	40	Υ	FACU			
2.	Bromus inermis	25	Y	UPL	* Indicators of hydric soil and wetland hydrology must be		
3.	Taraxacum officinale	20	N	FACU	present, unless disturbed or problematic.		
4.	Trifolium pratense	15	N	FACU	Definitions of Vegetation Strata:		
5.	Dactylis glomerata	10	N	FACU	Definitions of Vegetation offata.		
6	Dactyns giornerata	10	IN	TACO	Tree		
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.		
8.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.		
9.					Sapling/Snrub - Woody plants less than 3 m. DBH, Tegardiess of height.		
10.							
11.							
12.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.							
14.							
15.					Woody Vines - All woody vines, regardless of height.		
	Total Cover =	110					
	-		_				
Woody Vine St	ratum (Plot size: 30 ft. radius)						
1.	,						
2.							
3.					Hydrophytic Vegetation Present? N		
5.					ilyaropilyaro rogotation ribboliti		
4.				_			
7.	Total Cover =	0		_			
Remarks:	Sample site dominated by Kentucky bluegras		oth brome	۵			
Remarks.	Sample site dominated by Kentucky bidegras	is and sind	our bronne	ᡛ.			
Additional R	temarks:						
]							