## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/15/14										
Applicant:	Enbridge										County:	Red Lake										
Investigators	•				Subregion (MLRA or LRR): MLRA 5						State:	MN										
Soil Unit:	I59A NWI Classification:									_												
Landform:							cal Relief: LL				Sample Point	: u-151n41w19-a1										
Slope (%):	0 - 2%	P.C. 01 30	Latitude: 47			Longitude:			Datum:		4											
		nditions on the sit				Ir? (If no, exp			☑Yes	□ No	Section:											
Are Vegetati		☐ or Hydrology					Are	normal circun		esent?	Township:											
Are Vegetati		☐ or Hydrology	Laturally	/ proble	ematic?			Yes	□No		Range:	Dir:										
SUMMARY C																						
Hydrophytic '			No							Is Present?												
Wetland Hyd			No		C 1 1 1		14 1 1				nt Within A W	etland? <b>No</b>										
Remarks:	The upland	sample point is lo	cated with	ın a ha	ay field don	ninated by	/ Kentuci	ky bluegrass ar	nd orchardg	rass.												
HYDROLOG	Y																					
Wetland Hy	drology Indi	cators (Check all	I that apply	y; Minin	mum of one	e primary	or two se	econdary requi	red):													
Primary										Secondary												
□ A1 - Surface Water □ B11 - Salt Crust □ B2 - High Water Table □ B13 - Aquatic Fauna									B6 - Surface S													
	A2 - High Water Table A3 - Saturation					C1 - Hydro					<ul><li>□ B8 - Sparsely Vegetated Concave Surface</li><li>□ B10 - Drainage Patterns</li></ul>											
l H	B1 - Water Ma					C2 - Dry S						Rhizospheres on Living Roots (ti	illed)									
1 5	B2 - Sedimen							pheres on Living	Roots (not till		C8 - Crayfish											
	B3 - Drift Dep				_	C4 - Prese			,			n Visible on Aerial Imagery										
	B4 - Algal Mat					C7 - Thin N		ace			D2 - Geomorp											
	B5 - Iron Depo	osits n Visible on Aerial Im	200001		Ц	Other (Exp	lain)				D5 - FAC-Neu	itral Test aved Hummocks (LRR F)										
l H	B9 - Water-St	ained Leaves	lagel y								DI - FIOSI-FIE	aved Hullillocks (LRR F)										
_																						
Field Obser	vations:																					
	er Present?	Yes 🔲	De	epth:		(in.)																
Water Table		Yes 🗆							Wetland F	lydrology	Present?	N										
		Yes 🗆				(in.)						<del>_</del>										
					· ·							Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
Describe Rec Remarks:									upland swal	le in a hay f	field, meeting	geomorphic position.										
Remarks:									upland swal	le in a hay f	field, meeting	geomorphic position.										
Remarks: SOILS	No primary	indicators of wetla	and hydrolo	ogy we	ere observe	d. Sample	e point is	located in an i		le in a hay f	field, meeting	geomorphic position.										
Remarks:  SOILS Profile Descri	No primary iption (Descri	indicators of wetla	and hydrolo	ogy we	ere observe	ed. Sample	e point is	located in an o	ndicators.)	le in a hay f	field, meeting	geomorphic position.										
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-12 6-12 12-18 12-18  NRCS Hydr	No primary  iption (Descrintration, D=Depleter of the property	be to the depth ne etion, RM=Reduced M.  Matrix Color (Moist)  2/2 3/2 2/1 2/1 4/2  Indicators (chair a sulfide Layers (LRR F)) ck (LRR FGH) d Below Dark Surface Lucky Mineral Lucky Peat or Peat (LR) eyed Matrix  s of a brown sand	eeded to do latrix, CS=Cor	ocume overed/Co	color (National Color (Nationa	d. Sample cator or control cator or c	e point is  onfirm the tion: PL=Pi  Mottle  %  5  t):  al x  sicce  ssions (ML	e absence of ir ore Lining, M=Matrices  Type  C  C  Hydric Son sandy clay which is a son on sandy clay	Location    M	Texture SCL SC SC SCL SCL SCL A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I TF2 - Red F TF12 - Very Other (Expl.	Gravel fragments Gravel fragments Gravel fragments Muck (LRR I, J) t Prairie Redox surface (LRR G) Plains Depressi ced Vertic Parent Material y Shallow Dark s ain in Remarks hydrophytic vegeta ed or problematic.	Remarks  s present s present  c Soils¹ (LRR F, G, H) ons (LRR H, outside MLRA 72, 73)  Surface										

## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n41w19-a1
VEGETATION		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: 2 (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
	-		_		FAC spp. 0 x 3 = 0
Sanling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 75 x 4 = 300
1.	Statum (Flot oiles: Fork Fadias)				UPL spp. 25 X 5 = 125
2.					
3.					Total 100 (A) 425 (B)
4.					1000 (1) <u>120 (</u> D)
5.					Prevalence Index = B/A = 4.250
6.					Fievalcifice filidex = D/A = 4.230
7.					
					Hadanahadia Wanadatian hadia dana
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) *
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Poa pratensis	45	Y	FACU	
2.	Dactylis glomerata	30	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Bromus inermis	15	N	UPL	present, unless disturbed or problematic.
4.	Medicago sativa	10	N	UPL	Definitions of Vegetation Strata:
5.					
6					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.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	100			
	Total Cover -	100	_		
Woody Vino St	ratum (Plot size: 30 ft. radius)				
1.	ratum (1 101 SIZE. 30 II. TaulūS)				
2.					
3.					Hydrophytic Veretation Present?
				-	Hydrophytic Vegetation Present? N
5.					
4.	T.1.0				
	Total Cover =	0			
Remarks:	Upland sample area is dominated by Kentuck	ky bluegras	ss and ord	cnaragrass	s, with smooth brome and alfalfa intermixed.
Additional R	Remarks:				