WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/17/14
Applicant:	Enbridge										County:	Red Lake
Investigators				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit:	NWI Classification:								_			
Landform:	Talf				Local Relief: VL 7.8788184 Longitude: -95.96557						Sample Point	u-151n41w19-c1
Slope (%):	0 - 2%	nditions on the sit	Latitude: 47						Datum:		l	
		nditions on the sit				Γ ! (If no, exp			☑Yes	□ No	Section:	
Are Vegetation		or Hydrology					Are	e normal circum ☑ Yes	Istances pr	esent?	Township:	D' .
Are Vegetation		☐ or Hydrology	L aturally	problen	natic?			⊡ fes	□INO		Range:	Dir:
SUMMARY C									0 .		N	
Hydrophytic \			No							Is Present?		11 10 No
Wetland Hyd			No				ا المدال مما	h relative engage			t Within A W	etland? No
Remarks:	i ne upiano	sample point is lo	cated in an	n open n	neadow c	iominated	by Kent	tucky bluegrass	s, quackgras	ss, and biad	ck bent.	
HYDROLOG	Υ											
Wetland Hy	drology Indi	cators (Check all	I that apply	/; Minimι	um of one	e primary	or two se	econdary requi	red):			
Primary:					_					Secondary:		
☐ A1 - Surface Water☐ A2 - High Water Table						B11 - Salt (B6 - Surface S	Vegetated Concave Surface
	A3 - Saturatio										B10 - Sparsely	
	B1 - Water Ma					C2 - Dry Se						Rhizospheres on Living Roots (till
	B2 - Sedimen							spheres on Living	Roots (not till		C8 - Crayfish	
	B3 - Drift Dep							duced Iron				n Visible on Aerial Imagery
	B4 - Algal Mat B5 - Iron Depo					C7 - Thin N Other (Exp		ace			D2 - Geomorp D5 - FAC-Neu	
		n Visible on Aerial Im	nagery			Other (Lxp	iaiii)					aved Hummocks (LRR F)
	B9 - Water-St		ago. y							_	2	avea manimosite (Entry)
Field Observ	vations:											
Surface Water	er Present?	Yes 🔲	De	epth:		(in.)			W-41		D40	N.
Water Table	Present?	Yes \Box		· —		(in.)			wetland F	lydrology l	Present?	N
Saturation Pr	resent?	Yes 🔲		epth:		(in.)						-
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Reco		tream gallee mon	itorina well	aprial nl	hotoe nre	wioue inen	ections)	if available:				
								if available:				
Remarks:		tream gauge, mon or secondary indic						if available:				
Remarks:								if available:				
Remarks: SOILS	No primary	or secondary indic	cators of we	etland h	nydrology	were obs	erved.		dicators.)			
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Remarks: SOILS Profile Descri	No primary	or secondary indicates be to the depth neetion, RM=Reduced M	cators of we	etland h	nydrology t the indic	were obs	erved.	e absence of in				
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-9 9-14 9-14 14-15 NRCS Hydr	hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y It Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Deplete	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 3/2 2/1 5/3 Indicators (chain a sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface	eeded to do latrix, CS=Cov	% 100 55 Hu 40 98 Hu F2 - F3 - F6 - F7 -	Color (Nue_10YR) Color (Nue_10YR) Loamy General Stripped - Loamy General Stripped - Depleted - Redox De - Depleted - De	were obs cator or cc crains; Local //loist) 4/6 5/6 ot presen edox Matrix ucky Minera leyed Matrix Matrix Matrix Surface Dark Surface Dark Surface	onfirm the tion: PL=Pi Mottle % 5 2 tt):	e absence of inore Lining, M=Matroses Type C	Location M M	Indicators 1 A9 - 1 Coast S7 - Dark S1 F16 - High F F16 - Red F TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ed Vertic Parent Material Shallow Dark S	c Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n41w19-c1			
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: 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. 21			
	-		_		FAC spp. 0 x 3 = 0			
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 86 x 4 = 344			
1.					UPL spp. 0 x 5 = 0			
2.								
3.					Total 107 (A) 386 (B)			
4.					· · · · · · · · · · · · · · · · · · ·			
5.					Prevalence Index = B/A = 3.607			
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 Gover	•	_		Morphological Adaptations (Explain) *			
Horb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Poa pratensis	60	Υ	FACU	Problem Hydrophytic Vegetation (Explain)			
2.	Elymus repens	25	Y	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Agrostis gigantea	20	N I	FACW	present, unless disturbed or problematic.			
4.	Phleum pratense	1	N	FACU	Definitions of Vegetation Strata:			
5.	Hordeum jubatum	1	N	FACW	Definitions of Vegetation Strata.			
6	nordeum jubatum	- 1	IN	FACVV	Troo			
7.				_	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.			
				_	g(= //, g			
8.				_	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.			
9.				_	Saping/Sirub - woody plants less than 5 in. DBH, regardless of neight.			
10.								
11.					Herb - All herbaceous (non-woody) plants, regardless of size.			
12.					Herb - All herbaceous (non-woody) plants, regardless of size.			
13.								
14.					March March March and All Marc			
15.					Woody Vines - All woody vines, regardless of height.			
]	Total Cover =	107	_					
	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present?N			
5.								
4.								
	Total Cover =	0						
Remarks:	Vegetation is dominated by Kentucky bluegra	iss and qu	ackgrass,	with black	k bent also common. Diversity is very low.			
Additional Remarks:								
								