WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/17/14				
Applicant:	Enbridge rs: KRG/BCS										County:	Red Lake				
Investigators	:		Subregion (MLRA or LRR):					MLRA 56		State:	MN					
Soil Unit:	159A		NWI Classification:							1						
Landform:	Talf				Local Relief: LL						Sample Point:	u-151n41w29-c1				
Slope (%):	0 - 2%		Latitude: 47	7 871672		Longitude:		1725	Datum:		1					
		nditions on the sit								□No	Section:					
						ii: (II 110, exp					-					
Are Vegetation		or Hydrology					Ale	normal circun	•	esent	Township:					
Are Vegetation		I ☐ or Hydrology	Laturally	problem	natic?			Yes	□No		Range:	Dir:				
SUMMARY C	OF FINDING	S														
Hydrophytic \	Vegetation P	resent?	No	0					Hydric Soil	s Present?	No					
Wetland Hyd			No	0							nt Within A We	etland? No				
Remarks:		sample point is lo			ultivated	d wheat fie	eld			- pg						
r tomanto.	The apiana	campio point io io	oatoa witiiii	iii a nat o	out i vato	a willout iic	Jiu.									
HIV-DOI OO																
HYDROLOG	Y															
Wetland Hy	drology Ind	icators (Check all	I that apply:	; Minimu	ım of on	e primary	or two se	econdary requi	red):							
Primary:		,	11.5	,		. ,		, ,	,	Secondary						
	A1 - Surface	Water				B11 - Salt (Crust				B6 - Surface S	oil Cracks				
	A2 - High Wa	ter Table				B13 - Aqua	tic Fauna				B8 - Sparsely \	Vegetated Concave Surface				
	A3 - Saturatio					C1 - Hydro		e Odor			B10 - Drainage					
	B1 - Water M	arks				C2 - Dry Se	eason Wa	ter Table			C3 - Oxidized I	Rhizospheres on Living Roots (tilled)				
	B2 - Sedimer							pheres on Living	Roots (not till		C8 - Crayfish E					
	B3 - Drift Dep	osits				C4 - Prese	nce of Red	duced Iron			C9 - Saturation	Note:				
	B4 - Algal Ma					C7 - Thin M		ice			D2 - Geomorp					
	B5 - Iron Dep	osits				Other (Expl	lain)				D5 - FAC-Neut					
		on Visible on Aerial Im	nagery								D7 - Frost-Hea	ved Hummocks (LRR F)				
	B9 - Water-S	tained Leaves														
Field Observ	vations:															
Surface Water		Yes	De	epth:		(in.)										
									Wetland H	lydrology	Present?	N				
Water Table		Yes 🔲		epth:								<u> </u>				
Saturation Pr	resent?	Yes 📙	De	epth:		Saturation Present? Yes Depth: (in.)										
						,										
Describe Reco	orded Data (stream gauge, mon	itorina well.	aerial ph	notos, pre	,	ections).	if available:								
		stream gauge, mon				evious insp		if available:								
Describe Reco		stream gauge, mon or secondary indic				evious insp		if available:								
Remarks:						evious insp		if available:								
Remarks: SOILS	No primary	or secondary indic	cators of we	etland hy	ydrology	evious insp were obse	erved.									
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Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indicates	eeded to do	etland hy	ydrology the indicated Sand C	were observator or co	erved. onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks				
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-8 6-8 6-8 8-18 NRCS Hydr	Ption (Descritration, D=Depineration, D=Depine	or secondary indicators (characteristics in Sulfide I Layers (LRR F) ck (LRR FGH) and Below Dark Surface lucky Mineral Mucky Peat or Peat (LR Leyed Matrix	eeded to do latrix, CS=Cov	## Company Property	the indiced Sand Color (If the Indiced Sand Color (If the Indiced Sand Color (If the Indiced Sand Sand Sand Sand Sand Sand Sand San	evious insp were obse cator or cc Grains; Locat Moist) 5/6 oot present edox Matrix lucky Minera leleyed Matrix Matrix ark Surface Dark Surfa epressions ains Depres	months of the served.	e absence of irrore Lining, M=Matrices Type C C RA 72, 73 of LRF	Location M RH)	SCL SC SC SC SC SC A9 - 1 cm M A16 - Coast F18 - Reduct F12 - Red F TF12 - Very Other (Explainless disturbed) N	for Problematic fluck (LRR I, J) I Prairie Redox (urface (LRR G) Plains Depressic ced Vertic Parent Material r Shallow Dark S ain in Remarks)	E: Soils ¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73) Furface				

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n41w29-c1					
VEGETATION (Species identified in all uppercase are 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. $0 x 2 = 0$					
			_		FAC spp. $0 \times 3 = 0$					
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0					
1.					UPL spp. 5 x 5 = 25					
2.										
3.					Total <u>5</u> (A) <u>25</u> (B)					
4.										
5.					Prevalence Index = B/A = 5.000					
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.	Triticum aestivum	5	Υ	NI	Frobletti Hydrophytic Vegetation (Explain)					
2.		<u> </u>	<u> </u>	- 141	* Indicators of hydric soil and wetland hydrology must be					
3.				-	present, unless disturbed or problematic.					
4.					Definitions of Vegetation Strata:					
5.				-	Definitions of Vegetation Strata.					
6				_	Troo					
7.				-	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
				-	g (= =/,)					
8.				-	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
9.				_	Saphing/Silrub - Woody plants less than 5 lit. DBT, Tegardiess of height.					
10.				-						
11.					Light All herbacous (non woods) plants, recordings of size					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.				_						
14.				_	All construction in the construction					
15.					Woody Vines - All woody vines, regardless of height.					
]	Total Cover =	5	_							
	ratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.										
	Total Cover =	0								
Remarks:	Vegetation is limited to sparse small wheat s	eedlings. T	he area w	as entirel	ly planted through with wheat but has been harvested and tilled.					
Additional R	Remarks:									
]										