WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: 06/26								
Applicant: Enbridge										County: Kittso	n							
Investigators: EAB/RAJ				Subregion (MLRA or LRR): MLRA 56						State: MN								
Soil Unit:	1132A						Classification:											
Landform:	Talf				cal Relief:		075	Determ		Sample Point: w-159	9n48w31-c1							
Slope (%):	0 - 2%	nditions on the sit	Latitude: 48.54		Longitude:			Datum:	⊡ No	0								
		nditions on the site			II ? (If no, exp		normal circum		-	Section:								
Are Vegetation		or Hydrology or Hydrology or Hydrology				Ale	Yes		esent	Township: Bango:	Dir:							
SUMMARY C				Diematic ?						Range:	DII.							
Hydrophytic			No					Hydric Soi	ls Present?	Ves								
Wetland Hyd				No			Hydric Soils Present? Yes Is This Sampling Point Within A Wetland? No											
Remarks:				ield of wheat	adiacent	to an unr	planted basin	The field dra	ains into roa	adside ditches and is	crossed by multiple							
. tornantor		elines. Recent, ab									orococa sy manapro							
HYDROLOG	-	,	5			0												
		instars (Chook all	that apply: M	inimum of on	o primoru	or two or	oondor (roqui	ad).										
Primary:		icators (Check all	that apply, M		eprinary	OF LWO SE	econdary requi	eu):	Secondary:									
	A1 - Surface	Water			B11 - Salt	Crust				B6 - Surface Soil Crack	ks							
	A2 - High Wa	ter Table			B13 - Aqua		B8 - Sparsely Vegetate											
	A3 - Saturatio B1 - Water M			C1 - Hydrogen Sulfide Odor Dirainage Patterns														
	B1 - Water W B2 - Sedimen			 C2 - Dry Season Water Table C3 - Oxidized Rhizospheres on Living Roots (not tille C3 - Oxidized Rhizospheres on Living Roots (not tille 														
	B3 - Drift Dep				C4 - Prese		C9 - Saturation Visible	on Aerial Imagery										
	B4 - Algal Ma				C7 - Thin N		ice			D2 - Geomorphic Posit								
	B5 - Iron Dep	osits on Visible on Aerial Im	ageny		Other (Exp	lain)				D5 - FAC-Neutral Test D7 - Frost-Heaved Hur								
	B9 - Water-Si		lagery							Di - i lost-i leaved i lui								
_																		
Field Observ	vations:																	
Surface Wate	er Present?	Yes 🛛	Depth	:	(in.)					- <i>1</i> 0 N								
Water Table		Yes 🔲	Depth	Depth: (in.)				Wetland F	lydrology	Present? N								
Saturation Pr	resent?	Yes 🛛	Depth		(in.)													
Describe Reco	orded Data (s	stream gauge, moni	itoring well ae	rial photos pre	evious insr	pections)	if available:											
Remarks:		hydrology indicato	-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,												
rtomanto.		injuloiogy indicate		vou.														
SOILS																		
SUILS								Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Profile Descri																		
Profile Descri		ibe to the depth ne etion, RM=Reduced Ma																
Profile Descri		etion, RM=Reduced M				tion: PL=Po	ore Lining, M=Matr			I								
Profile Descri (Type: C=Concer		etion, RM=Reduced Ma Matrix	atrix, CS=Covere	d/Coated Sand 0	Grains; Loca	tion: PL=Po Mottle	ore Lining, M=Matr	ix)										
Profile Descri (Type: C=Concer Depth (In.)	htration, D=Depl	etion, RM=Reduced Ma Matrix Color (Moist)	atrix, CS=Covere		Grains; Loca	tion: PL=Po	ore Lining, M=Matr		Texture	R	emarks							
Profile Descri (Type: C=Concer Depth (In.) 0-10	Hue_10YR	Matrix Color (Moist) 2/1	atrix, CS=Covere % 100	d/Coated Sand (Color (I	Grains; Loca Moist)	tion: PL=Po Mottle %	ore Lining, M=Matr es Type	Location	С									
Profile Descri (Type: C=Concer Depth (In.)	htration, D=Depl	etion, RM=Reduced Ma Matrix Color (Moist)	atrix, CS=Covere	d/Coated Sand (Color (I Hue_10YR	Grains; Loca Moist) 2/1	tion: PL=Po Mottle % 19	ore Lining, M=Matr es Type C	Location M	C C	R Dark color is mixed in from								
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R			Sample Point: w-159n48w31-c1
VEGETATIO Tree Stratum	N (Species identified in all uppercase ar (Plot size: 30 ft. radius)	e non-native species.)	
	Species Name	<u>% Cover</u> Dominar	nt 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: 1 (B)
4. 5.				Total Number of Dominant Species Across All Strata(D)
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.				$OBL spp. 0 \qquad x \ 1 = 0$
	Total Cover =	0		FACW spp. 0 x 2 = 0 FAC spp. 0 x 3 = 0
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)			FAC spp. 0 $x 3 = 0$ FACU spp. 0 $x 4 = 0$
1.				UPL spp. 95 \times 5 = 475
2.				
3.				Total <u>95</u> (A) <u>475</u> (B)
4.				
5.				Prevalence Index = B/A = 5.000
6. 7.				
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) *
	Plot size: 5 ft. radius)			Problem Hydrophytic Vegetation (Explain) *
1.	Triticum aestivum	95 Y	NI	* Indicators of hydric coil and watland hydrology must be
2. 3.				* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. 4.				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.				
11.				Herb - All herbaceous (non-woody) plants, regardless of size.
13.				
14.				
15.				Woody Vines - All woody vines, regardless of height.
	Total Cover =	95		
Woody Vine St 1.	rratum (Plot size: 30 ft. radius)			
1. 2.	<u> </u>			
3.				Hydrophytic Vegetation Present? N
5.				
4.				
_	Total Cover =	0		
Remarks:	The site is dominated by planted wheat.			
Additional F	Remarks:			