WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: County:	07/30/14	
Applicant: Enbridge											Kittson	
Investigators: BEH/BCS				Subregion (MLRA or LRR): MLRA 56						State:	MN	
Soil Unit: <u>I132A</u> Landform: Talf				NWI Classification: Local Relief: VL						Comple Point:	·· 150p10w0-b1	
Slope (%):	0 - 2%		Latitude: 48.60		Longitude:		2107 <u>06</u>	Datum		Sample Point.	u-159n49w9-b1	
		nditions on the site						⊡Yes		Section:		
Are Vegetatio		C or Hydrology			II : (11 110, 01.p		normal circun			Township:		
Are Vegetation Soil or Hydrology diffin							☑ Yes □No			Range:	Dir:	
SUMMARY C												
Hydrophytic V			No					Hydric Soi	Is Present?	? Yes		
Wetland Hydrology Present?			No				Is This Sampling Poin			nt Within A W	etland? No	
Remarks:	The upland	sample point is loc	cated in a whe	at field upslo	pe from a	seasona	ally-flooded ba	sin.				
HYDROLOG	Y											
		icators (Check all	that apply; Mi	nimum of on	e primary	or two se	econdary requi	red):				
Primary:		•• •• •		_		~			Secondary		" O	
	A1 - Surface V A2 - High Wat				B11 - Salt (B13 - Aqua					B6 - Surface Soil Cracks B8 - Sparsely Vegetated Concave Surface		
	A3 - Saturatio	n			C1 - Hydrog	gen Sulfid	e Odor			B10 - Drainage Patterns		
	B1 - Water Ma				C2 - Dry Se	eason Wa	ter Table	-			Rhizospheres on Living	Roots (tilled)
	B2 - Sediment B3 - Drift Dep				C3 - Oxidiz C4 - Preser	C8 - Crayfish E	Burrows n Visible on Aerial Imag					
	B4 - Algal Mat				C7 - Thin N					D2 - Geomorp	hic Position	
	B5 - Iron Depo				Other (Expl	lain)				D5 - FAC-Neu	tral Test	
	B7 - Inundatio B9 - Water-St	n Visible on Aerial Ima	agery							D7 - Frost-Hea	aved Hummocks (LRR I	F)
	Da - Marci-Or	dilleu Leaves										
Field Observ	vations:											
	er Present?	Yes 🛛	Depth ⁻	:	(in.)							
		Yes	Depth					Wetland H	lydrology	Present?	N	
		Yes		Water Table Present? Yes D Depth: (In.)								
		· - • —	Doptin.		(111.)							
Describe Reco	orded Data (s				,	ections)	if available:					
		stream gauge, monif	itoring well, aer	ial photos, pre	evious insp	ections),	if available:					
Describe Reco Remarks:			itoring well, aer	ial photos, pre	evious insp	ections),	if available:					
Remarks: SOILS	No primary	stream gauge, monit or secondary hydro	itoring well, aer rological indica	ial photos, pro tors were ob	evious insp served.							
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-21 NRCS Hydr 0 0 0 0 0 0 0 0 0 0 0 0 0	No primary of intration, D=Deplet intration, D=Deplet intration, D=Deplet intration, D=Deplet intration, D=Deplet intration, D=Deplet intrational intervention, D=Deplet interventinter	be to the depth ne- etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface	ee e e	ial photos, pro tors were ob ment the indii //Coated Sand (Color (I Hue_10YR Hue_7.5YR dicators are r S5 - Sandy R S6 - Stripped dicators are r S5 - Sandy R F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	evious insp evious insp iserved. Cator or cc Grains; Locat Moist) 5/6 4/4 4/4 tot present edox Matrix Incky Minera Bleyed Matrix Incky Minera Bleyed Matrix Incky Minera Bleyed Matrix Incky Surface I Dark Surface epressions	nfirm th tion: PL=P(Mottle % 2 2 2 t):	e absence of ir ore Lining, M=Matr 25 Type C C	Location M M I I I I I I I I I I I I I I I I I	SIC SIC SIC AI A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I F18 - Redur TF2 - Red F TF2 - Very	Muck (LRR I, J) t Prairie Redox (Surface (LRR G) Plains Depressio ced Vertic Parent Material	2 Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73	3)
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-159n49w9-b1
VEGETATIO	N (Species identified in all uppercase ar (Plot size: 30 ft. radius)	e non-native	species.)		
	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.					Tatel Number of Deminant Chasics Assoc All Circles 1 (D)
<u>4.</u> 5.					Total Number of Dominant Species Across All Strata: 1 (B)
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
Copling/Chrub (Stratum (Diat aiza: 15 ft. radius)				FAC spp. 0 $x 3 = 0$
Sapling/Shrub 3	Stratum (Plot size: 15 ft. radius)				FACU spp. 5 x 4 = 20 UPL spp. 40 x 5 = 200
2.					
3.					Total 45 (A) 220 (B)
4.					
5.					Prevalence Index = B/A = 4.889
6.					
7.					I hudun u hudin ta hudin ta un
<u>8.</u> 9.					Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
9. 10.					Dominance Test is > 50%
10.	Total Cover =	0			Prevalence Index is ≤ 3.0 *
			_		Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Triticum aestivum	40	Y	NI	
2.	Fallopia convolvulus	5	N	FACU	 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
<u>3.</u> 4.					Definitions of Vegetation Strata:
5.					Deminions of vegetation Strata.
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.	<u></u>				
11.				-	Herb - All herbaceous (non-woody) plants, regardless of size.
12.					HerD - An herbaceous (horewoody) plants, regardless of size.
13. 14.					
15.	,				Woody Vines - All woody vines, regardless of height.
	Total Cover =	45	_		
	ratum (Plot size: 30 ft. radius)				
1.					
2. 3.					Hydrophytic Vagatation Brasant2
<u> </u>	<u> </u>				Hydrophytic Vegetation Present? N
4.					
	Total Cover =	0			
Remarks:	The sample point is dominated by cultivated	wheat.			
Additional F	Remarks:				