WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/26/14		
Applicant:		Enbridge								County:	Kittson		
Investigators	i:	BEH/BCS			Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN		
Soil Unit:	1248A					NWI	Classification						
Landform:	Shoulder			Lo	cal Relief:	VL				Sample Point:	u-160n50w10-a1		
Slope (%):	3 - 7%		Latitude: 48.6		Longitude:		5166667	Datum:		1			
		nditions on the site						□Yes	☑ No	Section:			
Are Vegetation		☐ or Hydrology		ly disturbed?	ai . (ii iio, cx _i		normal circun			1			
						Aic	✓ Yes	□No	esent:	Township:	D '.		
Are Vegetation		☐ or Hydrology	L aturally p	robiematic?			₫ Tes	□INO		Range:	Dir:		
SUMMARY C													
Hydrophytic \			No					Hydric Soi					
Wetland Hyd			No					Is This Sai	mpling Poir	nt Within A W	etland? No		
Remarks:	The upland	sample point is loc	cated in a wh	neat field just ι	ipslope fro	m an ex	cavated ditch t	hat drains a	idjacent far	mland. Recer	nt heavy rain has affected the		
	region.												
HYDROLOG													
		icators (Check all	I that apply; I	Minimum of on	e primary	or two se	econdary requi	red):					
Primary:				_					Secondary:				
	A1 - Surface				B11 - Salt (B6 - Surface S			
	A2 - High Wa										B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns		
	A3 - Saturation B1 - Water M				C2 - Dry Se						e Patterns Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen						pheres on Living	Poots (not till		C8 - Crayfish E			
I	B3 - Drift Dep				C4 - Prese			1700ts (110t till			n Visible on Aerial Imagery		
I	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp			
	B5 - Iron Dep				Other (Exp					D5 - FAC-Neu	tral Test		
	B7 - Inundation	on Visible on Aerial Im	nagery		` .	·				D7 - Frost-Hea	aved Hummocks (LRR F)		
	B9 - Water-S	tained Leaves											
Field Observ	vations:												
Surface Water		Yes 🗆	Den	th:	(in.)								
Water Table		=	Dep	th:	(in.)			Wetland F	lydrology	Present?	N		
				th:									
Saturation Pr	resent?	Yes	Dep	th:	(in.)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Reco	orded Data (s	stream gauge, moni	itoring well, a	erial photos, pre	evious insp	ections),	if available:						
						ections),	if available:						
Describe Reco		stream gauge, moni or secondary hydr				ections),	if available:						
Remarks:						ections),	if available:						
Remarks: SOILS	No primary	or secondary hydr	rological indi	cators were ob	served.	·		ndicators)					
Remarks: SOILS Profile Descri	No primary	or secondary hydro	rological indice	cators were ob	served.	onfirm the	e absence of ir						
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Remarks: SOILS Profile Descri	No primary	or secondary hydrological hydrological or secondary hydrological hydro	rological indice	cators were ob	served.	onfirm the	e absence of ir ore Lining, M=Mati						
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary hydrone or second	rological indiceded to doc latrix, CS=Cover	ument the indi	served. cator or co	onfirm the tion: PL=Pc	e absence of ir ore Lining, M=Mati es	ix)	Touture		Domarko		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-5	No primary iption (Descriptration, D=Depl	or secondary hydrological be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1	eeded to doc latrix, CS=Cover	ument the indired/Coated Sand (Coated Sand (cator or cc Grains; Local Moist)	onfirm the tion: PL=Po Mottle % 15	e absence of ir ore Lining, M=Matr es Type C	Location M	С	Layer is a mix of l			
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-5	No primary iption (Descriptration, D=Depl	or secondary hydrological be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1	eeded to doc latrix, CS=Cover	ument the indiced/Coated Sand (Coated Sand (cator or cc Grains; Local Moist)	onfirm the tion: PL=Po Mottle % 15	e absence of ir ore Lining, M=Matr es Type C	Location M	С	-	two colors.		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-5 5-10	No primary ption (Descriptration, D=Depl Hue_10YR Hue_2.5Y	or secondary hydrological be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2	rological indiceeded to documents, CS=Cover	ument the indiced/Coated Sand (Coated Sand (cator or cc Grains; Local Moist)	onfirm the tion: PL=Po Mottle % 15	e absence of ir ore Lining, M=Matr es Type C	Location M	C C	-	two colors.		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-5 5-10 10-21	No primary iption (Descr ntration, D=Depi	or secondary hydrological better to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 3/2 2/1	eeded to doc eatrix, CS=Cover	cators were ob ument the indi red/Coated Sand (Color (I Hue_10YR Hue_10YR	cator or co Grains; Local Moist) 3/1 2/1	Mottle % 15 45	e absence of ir ore Lining, M=Mate es Type C C	Location M	C C	-	two colors.		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-5 5-10 10-21 NRCS Hydr	No primary iption (Description, D=Depl Hue_10YR Hue_2.5Y Hue_10YR A1- Histosol	or secondary hydrobe to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 3/2 2/1 Indicators (ch	eeded to doc atrix, CS=Cover	ument the indicators were ob ument the indicators and of the color (I Color (I Hue_10YR Hue_10YR undicators are r	cator or co Grains; Local Moist) 3/1 2/1	Mottle % 15 45	e absence of ir ore Lining, M=Mate es Type C C	Location M M	C C C	Layer is a mix of the	two colors. two colors. c Soils ¹		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-5 5-10 10-21 NRCS Hydr	No primary iption (Description, D=Depl Hue_10YR Hue_2.5Y Hue_10YR A1- Histosol A2 - Histic Ep	or secondary hydrological properties of the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 3/2 2/1 Indicators (chair)	rological indiceded to documents, CS=Cover	ument the indiced/Coated Sand (Coated Sand (cator or co Grains; Local Moist) 3/1 2/1 not presen	Mottle % 15 45 tt):	e absence of ir ore Lining, M=Mate es Type C C	Location M M	C C C Indicators A9 - 1 cm M A16 - Cost I	Layer is a mix of the	two colors. two colors. c Soils¹ RR F, G, H)		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-160n50w10-a1
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:(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. 70 x 5 = 350
2.					
3.					Total 70 (A) 350 (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%
	Total Cover =	0			Prevalence Index is ≤ 3.0 *
			_		Morphological Adaptations (Explain) *
Herh Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Triticum aestivum	70	Υ	NI	1 Tobiciii Tiyaropiiyile Vegetatioii (Explaini)
2.		- 10	•		* Indicators of hydric soil and wetland hydrology must be
3.				-	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.				_	Definitions of Vegetation offata.
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.				_	Gupinig/Onitub = 11-12-5, p.m.no-12-0 - 1 = 1, 1-2-m.no-12-0 - 1
11.					
					Herb - All herbaceous (non-woody) plants, regardless of size.
12.					TIGIT = 7 Tot 5555555 (1.5.) Modalf / plants, regulates of 5125.
13.				_	
14.				-	Woody Vines - All woody vines, regardless of height.
15.	T.110	70			AAOOGA AILIGE - VII Mooda Ailige VIII Ge VIII
]	Total Cover =	70	_		
	ratum (Plot size: 30 ft. radius)				
1.				_	
2.					
3.					Hydrophytic Vegetation Present? N
5.				_	
4.				_	
	Total Cover =	0			
Remarks:	The sample point is in a planted wheat field.	The lack of	f other pla	nts sugge	ests the area has been treated with herbicide.
Additional R	Remarks:				