WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/24/14	
Applicant: Enbridge			Subregion (MLRA or LRR): MLRA 56							County:	Marshall	
Investigators Soil Unit:	: I15A	NTT/KRG			_Subregio	`	l Classification:	MLRA 56		State:	MN	
Landform:	Rise			Lo	cal Relief:		Classification.	•		Sample Point:	u-156n46w34-a1	
Slope (%):	0 - 2%	Latitude	e: 48.29		Longitude:		839	Datum:		1		
Are climatic/l	hydrologic co	nditions on the site typica	al for this	s time of ye	ar? (If no, exp	lain in rema	arks)	Yes	□ No	Section:		
								nstances pre	esent?	Township:		
Are Vegetation			ally prob	olematic?			Yes	□ No		Range:	Dir:	
SUMMARY OF FINDINGS Hydrophytic Vegetation Present? No Hydric Soils Present? No												
Wetland Hydrology Present?			No			Is This Sampling Point				etland? No		
Remarks: The upland point is located within a wheat field.												
HYDROLOGY												
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):												
<u>Primary:</u>	<u>:</u>	·					, ,	,	Secondary:			
	A1 - Surface \ A2 - High Wat				B11 - Salt (B6 - Surface S	oil Cracks Vegetated Concave Surface	
	A3 - Saturatio			□ B13 - Aquatic Fauna□ C1 - Hydrogen Sulfide Odor□ □							e Patterns	
	B1 - Water Ma				C2 - Dry Se	eason Wa	ter Table	D • • • • • • • • • • • • • • • • • • •			Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen B3 - Drift Dep	•			C3 - Oxidiz C4 - Prese		spheres on Living	Roots (not till	• 🗆	C8 - Crayfish E	Burrows n Visible on Aerial Imagery	
	B4 - Algal Mat				C7 - Thin N				_	D2 - Geomorp		
	B5 - Iron Depo				Other (Exp	lain)				D5 - FAC-Neut		
	B7 - Inundatio	n Visible on Aerial Imagery ained Leaves								D7 - Frost-Hea	aved Hummocks (LRR F)	
_	20 114151 01	a										
Field Observations:												
Surface Water		Yes	Depth:		_ (in.)			Wetland H	lydrology I	Present?	N	
Water Table		Yes	Depth:		- (in.)			Trottalla l	., a. c.eg, .		<u></u>	
Saturation Present? Yes Depth: (in.)												
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
	<u>`</u>			al photos, pr	evious insp	ections),	if available:					
Remarks:	<u>`</u>	tream gauge, monitoring very hydrology indicators pres		al photos, pr	evious insp	ections),	if available:					
Remarks:	<u>`</u>			al photos, pr	evious insp	ections),	if available:					
Remarks:	No wetland		sent.		·	·		ndicators.)				
Remarks: SOILS Profile Descri	No wetland	hydrology indicators pres	sent.	nent the indi	icator or co	onfirm the	e absence of in					
Remarks: SOILS Profile Descri	No wetland	hydrology indicators pres be to the depth needed t etion, RM=Reduced Matrix, CS	sent.	nent the indi	icator or co	onfirm the	e absence of in ore Lining, M=Matr					
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicators pres be to the depth needed t etion, RM=Reduced Matrix, CS	o docum Covered	nent the indi /Coated Sand	icator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr	ix)	Toyturo		Pomarks	
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland iption (Descri	be to the depth needed tetion, RM=Reduced Matrix Color (Moist)	o docum Covered	nent the indi	icator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr		Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10	No wetland iption (Descri	be to the depth needed to	o docum =Covered, % 100	nent the indi /Coated Sand	icator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr	ix)	SCL		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10 10-18	No wetland iption (Descri	be to the depth needed tetion, RM=Reduced Matrix Matrix Color (Moist) 2/1 4/1	o docum =Covered 100 100	nent the indi /Coated Sand	Grains; Locat	Mottle	e absence of in ore Lining, M=Matr	ix)	SCL FS			
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10 10-18 NRCS Hydr	No wetland iption (Descrintration, D=Depleted by the Land by the	be to the depth needed tetion, RM=Reduced Matrix Matrix Color (Moist) 2/1 4/1	o docum =Covered 100 100 ere if indi	Color (icator or co Grains; Locat Moist)	Mottle	e absence of in ore Lining, M=Matr es Type	Location	SCL FS	or Problematic		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10 10-18 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger	be to the depth needed to the detion, RM=Reduced Matrix, CS Matrix Color (Moist) 2/1 4/1 Indicators (check he dipedon stick in Sulfide)	o docum Covered % 100 100 ere if indi	Color (S5 - Sandy F S6 - Stripped F1 - Loamy N F2 - Loamy O	Moist) Moist) Redox Mucky Minera	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressio	c Soils ¹	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	: L3R		Sample Point:	u-156n46w34-a1					
VEGETATIO		se are non-native species.)							
Tree Stratum	(Plot size: 30 ft. radius)								
	Species Name	<u>% Cover</u> <u>Dominant</u> <u>Ind.Statu</u>	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 A	Il Strata:1 (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 Cov	er = <u> </u>	OBL spp. 0)					
			FAC spp. $0 x 3 = 0$)					
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)		FACU spp)					
1.			UPL spp $x = 5 = 0.00$	50					
2.									
3.			Total <u>30</u> (A) <u>15</u>	50 (B)					
4.									
5.			Prevalence Index = B/A = 5.0	000					
6.									
7.									
8.			Hydrophytic Vegetation Indicators:						
9.			Rapid Test for Hydro	phytic Vegetation					
10.			Dominance Test is >	50%					
	Total Cov	er = 0	Prevalence Index is :	≤ 3.0 *					
			Morphological Adapt	ations (Explain) *					
Herb Stratum ((Plot size: 5 ft. radius)			Vegetation (Explain) *					
1.	Triticum aestivum	30 Y NI		(=					
2.			* Indicators of hydric soil and w	etland hydrology must be					
3.		_	present, unless disturb						
4.			Definitions of Vegetation Strata:						
5.		_							
6			Tree - Woody plants 3 in. (7.6cr	n) or more in diameter at breast					
7.			height (DBH), regardless						
8.									
9.		-	Sapling/Shrub - Woody plants less than 3	in. DBH, regardless of height.					
10.									
11.			\dashv						
12.			Herb - All herbaceous (non-woo	ody) plants, regardless of size.					
13.			Tierb - which consider the constraint of the con						
14.	<u> </u>		_						
15.	<u> </u>		Woody Vines - All woody vines, regardle	ess of height					
15.	Total Cav	20	Woody Villes - All Woody Villes, Tegardic	200 of Holght.					
	Total Cov	er = <u>30</u>							
Woody Vine St	tratum (Plot size: 30 ft. radius)								
1.									
2.				10 N					
3.	1		Hydrophytic Vegetation Pre	esent?N					
5.									
4.	T.110								
D	Total Cov		Last and Call						
Remarks:	Vegetation is sparse due to the upland p	ooint location within an agricultura	al wheat field.						
Additional Remarks:									
Ī									