## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant:		L3R Enbridge		-						Date: County:	10/08/14 Pennington	
Investigators	s: NTT/BEH Subregion (MLRA or LRR): MLRA							MLRA 56		State:	MN	
Soil Unit:	I50A NWI Classification:											
Landform:	Talf         Local Relief: LL           0 - 2%         Latitude: 47.970552         Longitude: -96.114901         Datum:									Sample Point	u-152n43w24-a1	
Slope (%): Are climatic/h		nditions on the site			-			Datum: ☑ Yes	□ No	Section:		
Are Vegetatio	•	□, or Hydrology				1	e normal circun			Township:		
Are Vegetation	•	□, or Hydrology	•				☑ Yes	□ No		Range:	Dir:	
SUMMARY C												
	Hydrophytic Vegetation Present?         No         Hydric Soils Preser											
Wetland Hyd			No o recently til	led wheet fiel	d: no vogo	tation in	propont booido			nt Within A W	/etland? <b>No</b>	
Remarks:	The upland	point is located in	a recently th	led wheat her	a; no vege	lation is	present beside	s winter whe	eat.			
HYDROLOGY												
Wetland Hy	Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):											
Primary:				_		<b>a</b>			Secondary:			
	<ul> <li>A1 - Surface Water</li> <li>A2 - High Water Table</li> </ul>				B11 - Salt B13 - Aqua					B6 - Surface S	Soil Cracks Vegetated Concave Surface	
	A3 - Saturatio				C1 - Hydro	gen Sulfid	le Odor			B10 - Drainag	e Patterns	
	B1 - Water Ma				C2 - Dry S			Deete (ret till			Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen B3 - Drift Dep	•			C3 - Oxidiz C4 - Prese		spheres on Living duced Iron	Roots (not till	€ ⊔	C8 - Crayfish C9 - Saturatio	Burrows In Visible on Aerial Imagery	
	B4 - Algal Mat				C7 - Thin N					D2 - Geomorp	<b>U</b>	
	B5 - Iron Dep				Other (Exp	olain)				D5 - FAC-Neu		
	B7 - Inundatio B9 - Water-St	n Visible on Aerial Im ained Leaves	nagery							D7 - Frost-He	aved Hummocks (LRR F)	
_	20 110101 01											
Field Observ	vations:											
Surface Wate			Dep		(in.)			Wetland H	lydrology	Present?	Ν	
Water Table		Yes D	Dep		_ (in.)				.,			
Saturation Present?     Yes     Depth:     (in.)												
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Remarks: No wetland hydrology indicators present.												
SOILS												
Profile Descri		be to the depth ne										
Profile Descri		be to the depth ne etion, RM=Reduced M										
Profile Descri							ore Lining, M=Mati					
Profile Descri		etion, RM=Reduced M		ed/Coated Sand		tion: PL=P	ore Lining, M=Mati		Texture		Remarks	
Profile Descri (Type: C=Concer		etion, RM=Reduced M Matrix Color (Moist)	atrix, CS=Cover	ed/Coated Sand	Grains; Loca	tion: PL=P Mottle	ore Lining, M=Matr	ix)	Texture SCL		Remarks	
Profile Descri (Type: C=Concer Depth (In.)	htration, D=Deple	etion, RM=Reduced M Matrix Color (Moist)	atrix, CS=Cover	ed/Coated Sand	Grains; Loca	tion: PL=P Mottle	ore Lining, M=Matr	ix)		abundant gravel		
Profile Descri (Type: C=Concer Depth (In.) 0-8	Hue_10YR	Matrix Color (Moist) 2/1	atrix, CS=Cover	ed/Coated Sand	Grains; Loca	tion: PL=P Mottle	ore Lining, M=Matr	ix)	SCL	abundant gravel		
Profile Descri (Type: C=Concer Depth (In.) 0-8	Hue_10YR	Matrix Color (Moist) 2/1	atrix, CS=Cover	ed/Coated Sand	Grains; Loca	tion: PL=P Mottle	ore Lining, M=Matr	ix)	SCL	abundant gravel		
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Profile Descri (Type: C=Concer Depth (In.) 0-8 8-19	Hue_10YR Hue_10YR	Matrix Matrix Color (Moist) 2/1 4/3	atrix, CS=Cover	ed/Coated Sand Color 0	Grains; Loca	tion: PL=P Mottle %	ore Lining, M=Matr es Type	ix)	SCL	abundant gravel		
Profile Descri (Type: C=Concer Depth (In.) 0-8 8-19	Hue_10YR	Matrix Matrix Color (Moist) 2/1 4/3	atrix, CS=Cover	ed/Coated Sand	Grains; Loca	tion: PL=P Mottle %	ore Lining, M=Matr	ix)	SCL SL			
Profile Descri (Type: C=Concer Depth (In.) 0-8 8-19 NRCS Hydr	Hue_10YR Hue_10YR	Matrix Matrix Color (Moist) 2/1 4/3	atrix, CS=Cover	ed/Coated Sand Color 0	Grains; Loca (Moist)	tion: PL=P Mottle %	ore Lining, M=Matr es Type	Location	SCL SL	abundant gravel	ic Soils <sup>1</sup>	
Profile Descri (Type: C=Concer Depth (In.) 0-8 8-19 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Ep	etion, RM=Reduced M Matrix Color (Moist) 2/1 4/3 Indicators (ch	atrix, CS=Cover	ed/Coated Sand Color 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grains; Loca (Moist) (Moist) not presen Redox d Matrix	tion: PL=P Mottle %	ore Lining, M=Matr es Type		SCL SL Indicators f A9 - 1 cm M A16 - Coast	<b>or Problemati</b> luck (LRR I, J) Prairie Redox	i <u>c Soils<sup>1</sup></u> (LRR F, G, H)	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-152n43w24-a1
VEGETATIO		are non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	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)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <b>0.0%</b> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: <u>Multiply by:</u>
10.					$OBL spp.  0 \qquad X  1 =  0 \qquad \qquad$
	Total Cover	=0	FACW spp. 0 $X 2 = 0$		
					OBL spp.0x1 =0FACW spp.0x2 =0FAC spp.0x3 =0FACU spp.0x4 =0
	Stratum (Plot size: 15 ft. radius)				$FACU \text{ spp.}  0 \qquad X \ 4 = 0$
1.					UPL spp. 30 X 5 = 150
2.	]				
3.	]				Total <u>30</u> (A) <u>150</u> (B)
4.					
5.					$Prevalence Index = B/A = \underline{5.000}$
6.					
7.					Ubeleas butic Veretetics Indicators
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.	Tatal Cavar				Dominance Test is > 50%
	Total Cover	=0			Prevalence Index is $\leq 3.0$ *
					Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Triticum aestivum	30	Y	NI	
2.		n			* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.		1			
4.					Definitions of Vegetation Strata:
5.		-			-
6		-			<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast
7.		2			height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					4
11.					
12.		1			Herb - All herbaceous (non-woody) plants, regardless of size.
13.		1			4
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover	= 30	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)	-			
1.	1				
2.		-			
3.					Hydrophytic Vegetation Present? N
5.	<u> </u>				
4.					
	Total Cover				
Remarks:	The vegetation is dominated by winter whe	at.			
Additional F	Remarks:				