## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/30/14	
Applicant:		Enbridge				<b>.</b>	/A 41 D 4		1415450		County:	Pennington	
Investigators		MRK/OTG				Subregio	•	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	159A					I D - I' - (-		I Classification	:			450-40-45 -4	
Landform:	Talf 0 - 2%		Latitude: 47	00710		cal Relief:		70665000	Detum		Sample Point	u-152n43w15-e1	
Slope (%):		onditions on the site						79665000	Datum:	□ No	Section:		
Are Vegetation		I ☑, or Hydrology				(II : (II IIO, ex	1	e normal circur			Township:		
Are Vegetation		l □, or Hydrology		•				e normal circui  ✓ Yes		536111:	Range:	Dir:	
SUMMARY C			Diatarany p	JIODICI	matio:			E 163	□ 1 <b>10</b>		Range.	DII.	
Hydrophytic '			No						Hydric Soi	ls Present?	No		
Wetland Hyd	•		No			•					t Within A W	etland? <b>No</b>	
Remarks:		nple point is locate			vheat field				io i i iio Cai	npinig r on		onaria.	
	- p	, p. 10 p. 11 p. 12 p. 1											
HYDROLOG	Υ												
		icators (Check all	I that apply:	Minim	num of on	a nrimary	or two s	econdary requi	red):				
Primary		icators (Check all	і шасарріу,	IVIII III I	iuiii oi oii	e primary	OI tWO S	econdary requi	reu).	Secondary:			
<u> </u>	A1 - Surface	Water				B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wa					B13 - Aqua						Vegetated Concave Surface	)
	A3 - Saturation					C1 - Hydro					B10 - Drainag		( - /CH - 1)
	B1 - Water M B2 - Sedimer					C2 - Dry S		ater Table spheres on Living	Poots (not till	, –	C3 - Oxidized C8 - Crayfish I	Rhizospheres on Living Roc	its (tilled)
	B3 - Drift Dep	•						educed Iron	NOOLS (HOL LIII	, –		n Visible on Aerial Imagery	
	B4 - Algal Ma					C7 - Thin N				_	D2 - Geomorp		
	B5 - Iron Dep					Other (Exp	olain)				D5 - FAC-Neu		
		on Visible on Aerial Im tained Leaves	nagery								D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - water-S	tained Leaves											
Field Obser	vations:												
Surface Wat		Yes □	Dei	pth:		(in )							
Water Table		Yes		pth: pth:		(in.) (in.)			Wetland F	lydrology l	Present?	N	
Saturation P		Yes $\square$				(in.)						_	
Saturation Present? Yes Depth: (in.)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Deceribe Dec	and ad Data /	-4	المسابع ماليا		-11	` ` `		if a vailable					
	·			aerial p	• •	evious insp	ections),	, if available:					
Describe Rec Remarks:	·	stream gauge, moni or secondary hydr		aerial p	• •	evious insp	ections),	, if available:					
Remarks:	·			aerial p	• •	evious insp	pections),	, if available:					
Remarks:	No primary	or secondary hydr	rological ind	aerial p	s were ob	evious insp served.	,		ndicators )				
Remarks:  SOILS Profile Descri	No primary		rological ind	aerial plicators	s were ob	evious insp served.	onfirm th	ne absence of ir					
Remarks:  SOILS Profile Descri	No primary	or secondary hydr	rological ind	aerial plicators	s were ob	evious insp served.	onfirm th	ne absence of ir					
Remarks:  SOILS Profile Descri	No primary	or secondary hydr	rological ind	aerial plicators	s were ob	evious insp served.	onfirm th	ne absence of in Pore Lining, M=Mati					
Remarks:  SOILS Profile Descri	No primary	or secondary hydr ibe to the depth ne etion, RM=Reduced Ma	rological ind eeded to doo latrix, CS=Cove	aerial plicators	s were ob	served.  cator or co	onfirm th	ne absence of in Pore Lining, M=Mati		Texture		Remarks	
Remarks:  SOILS Profile Descri (Type: C=Concer	No primary	or secondary hydrone ibe to the depth neterion, RM=Reduced Matrix Color (Moist)	rological ind eeded to doo latrix, CS=Cove	aerial plicators	s were ob	served.  cator or co	onfirm th tion: PL=P Mottl	ne absence of in Pore Lining, M=Mati	rix)	Texture		Remarks	
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11	No primary iption (Description, D=Dep	or secondary hydrone ibe to the depth neterion, RM=Reduced Matrix  Color (Moist)  2/1	rological ind eeded to doo latrix, CS=Cove	cumer ered/Co	s were ob	served.  cator or co	onfirm th tion: PL=P Mottl	ne absence of in Pore Lining, M=Mati	rix)			Remarks	
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-18	No primary iption (Description, D=Dep	or secondary hydrone ibe to the depth neetion, RM=Reduced Matrix  Color (Moist)  2/1  5/2	eeded to doo latrix, CS=Cove	cumer ered/Co	s were ob	evious inspections in spections in specific served.  Cator or contract or cont	onfirm th	ne absence of in Pore Lining, M=Mati	rix)			Remarks	
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-18  NRCS Hydr	No primary  iption (Description, D=Dep  Hue_10YR Hue_5Y  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi	or secondary hydrone ibe to the depth neetion, RM=Reduced Matrix Color (Moist)  2/1  5/2  Indicators (chappedonestic	eeded to doo latrix, CS=Cove	icators cumered/Co	S were ob  Int the indicated Sand Color (I	evious inspectived.  cator or contract or	mottl  Mottl  // // // // // // // // // // // // /	e absence of in Pore Lining, M=Mati	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si	uck (LRR I, J) Prairie Redox urface (LRR G)	c Soils <sup>1</sup> (LRR F, G, H)	
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-18  NRCS Hydr	Hue_10YR Hue_5Y  Tic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	or secondary hydrone ibe to the depth neetion, RM=Reduced Matrix  Color (Moist)  2/1  5/2  Indicators (chappedonestic in Sulfide	rological ind eeded to doo latrix, CS=Cove	icators cumer ered/Co  indica  S5 S6 F1 F2 F3	color (I Color (I S - Sandy R S - Stripped - Loamy M 2 - Loamy G	evious inspectived.  Cator or contract of	mottl  Mottl  %  t):	e absence of in Pore Lining, M=Mati	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressio	C Soils <sup>1</sup> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-152n43w15-e1
VEGETATION	```	e non-native	species.)		
Tree Stratum (	Plot size: 30 ft. radius)  Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u>Species Name</u>	76 COVEL	Dominani	<u>IIIu.Status</u>	Dominance rest worksheet
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					Transcr of Bollinian Openies that are OBE, 1710VV, of 1710.
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					Total Number of Borninant Opecies Across All Strata.
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					Tercent of Bornmant opedies that Are OBE, I AOW, of I Ao (AD)
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0
	Total Cover =	0			FACW spp. $0 \times 2 = 0$
			<del></del>		FAC spp. $0 \times 3 = 0$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $50$ $\times 4 = 200$
1.					UPL spp. $\frac{1}{50}$ $\frac{1}{50}$ $\frac{1}{50}$ $\frac{1}{50}$
2.					
3.					Total 100 (A) 450 (B)
4.					
5.					Prevalence Index = B/A = 4.500
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) *
Herb Stratum (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Triticum aestivum	50	Υ	NI	
2.	Poa pratensis	50	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
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.					
12.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	100			
			_		
Woody Vine Str	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?N
5.					
4.					
	Total Cover =				
Remarks:	Upland sample point is dominated by cultivat	ted wheat a	and Kentud	cky bluegi	rass.
Additional R	emarks:				