WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/26/14										
Applicant:		Enbridge									County:	Pennington										
Investigators	6:	RAJ/BEH				Subregio	n (MLRA	or LRR):	MLRA 56		State:	MN										
Soil Unit:	169A					_		Classification:														
Landform:	Depression				Local Relief: CC							w-153n44w3-d1										
Slope (%):	0 - 2%		Latitude: 4			Longitude:			Datum:													
		nditions on the si				ar? (If no, exp	1		☑ Yes		Section:											
Are Vegetati		☑, or Hydrology	•	-			Are	e normal circum	-	esent?	Township:	Dim										
Are Vegetation		□, or Hydrology		y proble	ematic?			⊠ Yes	□ No		Range:	Dir:										
	Vegetation Pr		V	′es					Hydric Soil	c Drocont?	Voc											
	drology Prese			es ′es		-					t Within A W	etland? Yes										
Remarks:					an existing	pipeline (to	the southw	vest) which transit				Itside the survey corridor). The soils										
		n are obviously distu																				
HYDROLOG	Y																					
		icators (Chock a	ll that apply	v: Minir	mum of or		or two se	ocondary roquir	rod)•													
Primary		i cators (Check a	ill that apply	y; iviinir	mum of or	le primary	or two se	econdary requir	ed):	Secondary:												
	A1 - Surface \	Water				B11 - Salt	Crust				B6 - Surface S	Soil Cracks										
A2 - High Water Table						B13 - Aqua						Vegetated Concave Surface										
	A3 - Saturation					C1 - Hydro					B10 - Drainage											
	B1 - Water Ma B2 - Sediment					C2 - Dry S		spheres on Living	Roote (not till		C3 - Oxidized C8 - Crayfish I	Rhizospheres on Living Roots (tilled)										
	B3 - Drift Dep	•						duced Iron			•	n Visible on Aerial Imagery										
	B4 - Algal Mat					C7 - Thin M				\checkmark	D2 - Geomorp	• •										
	B5 - Iron Depo					Other (Exp	olain)			\checkmark	D5 - FAC-Neu											
		n Visible on Aerial Ir	magery								D7 - Frost-Hea	aved Hummocks (LRR F)										
	B9 - Water-St	ained Leaves																				
Field Obser	vations:																					
		Voc 🗖	П)onth:		(in)																
Water Table	ter Present?			Depth:		_ (in.) _ (in.)			Wetland H	lydrology	Present?	Y										
Saturation P		Yes □ Yes □		Depth: Depth:		_ (in.) _ (in.)						—										
Saturation	1626III (D	Jepin		_ ()																
					•							Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
	•		-																			
Describe Rec Remarks:	•	stream gauge, mor algal crust in mic	-						ndicators of	f wetland hy	/drology are p	present.										
Remarks:	•		-						ndicators of	f wetland hy	/drology are p	present.										
Remarks: SOILS	There is an	algal crust in mic	crodepressi	ions an	nd the wetl	and area i	s in an o	bvious basin. I		f wetland hy	/drology are p	present.										
Remarks: SOILS Profile Descri	There is an iption (Descri		crodepression eeded to do	ions an locume	nd the wet	and area i	s in an o	bvious basin. I	dicators.)	f wetland hy	/drology are p	present.										
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-153n44w3-d1
		e non-native	species.)		
Tree Stratum ((Plot size: 30 ft. radius)	% Caver	Dominant	Ind Status	Dominance Test Worksheet
1.	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance lest worksheet
2.					Number of Deminent Species that are OPL EACING at EAC: 2 (A)
3.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
					Total Number of Dominant Species Agrees All Strates 2 (P)
<u>4.</u>					Total Number of Dominant Species Across All Strata: 2 (B)
5.					
6.	<u></u>				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7.					Drevelence Index Werkeheet
8.					Prevalence Index Worksheet
9.					Total % Cover of: <u>Multiply by:</u>
10.	 Total Cover	0			$OBL spp. \qquad 74 \qquad X = 74$
	Total Cover =	0	_		FACW spp. 5 $x 2 = 10$
					OBL spp. 74 X 1 = 74 FACW spp. 5 X 2 = 10 FAC spp. 0 X 3 = 0 FACU spp. 0 X 4 = 0 UPL spp. 0 X 5 = 0
	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 $X 4 = 0$
1.					$OPL spp. \qquad 0 \qquad X S = 0$
2.					
3.					Total <u>79</u> (A) <u>84</u> (B)
<u> </u>					
5.					Prevalence Index = $B/A = $ 1.063
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	0			X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Leersia oryzoides	20	Y	OBL	
2.	Eleocharis acicularis	20	Y	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Alisma triviale	15	N	OBL	present, unless disturbed or problematic.
4.	Persicaria amphibia	10	N	OBL	Definitions of Vegetation Strata:
5.	Phalaris arundinacea	5	N	FACW	
6	Scirpus pallidus	5	N	OBL	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Beckmannia syzigachne	2	Ν	OBL	height (DBH), regardless of height.
8.	Eleocharis palustris	2	Ν	OBL	
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
- 0	Total Cover =	79			
			_		
Woodv Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.	<u>,</u>				
4.	<u></u>				
	Total Cover =	0			
Remarks:			nual weth	and nlants	and perennials in their first year of growth. Hydrophytic vegetation is present.
Remarks.					ex that includes shallow marsh and wet meadow.
	Culside the survey control the wellahu colli		arge welld		That Includes shallow marsh and wel meadow.
Additional R	Remarks:				