WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/17/14	
Applicant:		Enbridge			_					County:	Pennington	
Investigators		NTT/BEH			_Subregio	•	or LRR):	MLRA 56		State:	MN	
Soil Unit:	<u>162</u>						I Classification):		1	454 44 00 14	
Landform:	Depression		10.40		ocal Relief:		2005			Sample Point	w-154n44w33-j1	
Slope (%):	3 - 7%		Latitude: 48.		Longitude			Datum:				
		nditions on the sit			al? (If no, ex	1		✓ Yes	□ No	Section:		
Are Vegetation		□, or Hydrology	•	•		Are	e normal circur	•	esent?	Township:	Dim	
Are Vegetation		□, or Hydrology	Haturally p	obiematic?				□ No		Range:	Dir:	
Hydrophytic '			Yes					Hydric Soi	ls Present?	Vec		
Wetland Hyd	_		Yes		_					nt Within A W	etland? Yes	
		d is located in a till		dominated h	v nale hulri	ush and	soft-stem hulri			it vvitiiii /\ vv	cliana: 103	
rtemants.	The Welland			dominated b	y paic bail	asii ana	Soft Stoff Build	3311.				
HYDROLOG	Υ											
		ioatore (Chaok all	I that apply: N	linimum of o	oo primary	or two o	ooondory roqui	irod\.				
Primary	•	icators (Check all	i mai appiy, r	Almimum of o	ne primary	or two s	econdary requi	irea):	Secondary:			
	<u>·</u>	Water			B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wa	ter Table			B13 - Aqua		ı				Vegetated Concave Su	rface
	A3 - Saturation				C1 - Hydro					B10 - Drainage		5
	B1 - Water M				C2 - Dry S			. Dooto (not till			Rhizospheres on Living	Roots (tilled)
	B2 - Sedimen B3 - Drift Dep						spheres on Living educed Iron	Roots (not till	, –	C8 - Crayfish I	n Visible on Aerial Imag	ierv
	B4 - Algal Ma			_	C7 - Thin				✓	D2 - Geomorp	•	,0.9
	B5 - Iron Dep				Other (Exp	olain)			☑	D5 - FAC-Neu		_,
		on Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR	F)
	b9 - water-s	ained Leaves										
Field Obser	vations:											
Surface Wat		Yes	Dep	·h·	(in.)							
Water Table		Yes ☑	Dep		_ (in.)			Wetland F	lydrology	Present?	Υ	
Saturation P		Yes □	Dep		– (in.)							
		103	Deb	.1 1.	(111.)							
Describe Rec	orded Data (s		<u> </u>			nections)	if available:					
	<u> </u>	stream gauge, mon	itoring well, a	erial photos, p	revious insp			capa position	and bydro	unbutic vogots	ation	
Describe Rec Remarks:	<u> </u>		itoring well, a	erial photos, p	revious insp			cape position	n and hydro	phytic vegeta	ation.	
Remarks:	<u> </u>	stream gauge, mon	itoring well, a	erial photos, p	revious insp			cape positior	n and hydro	phytic vegeta	ation.	
Remarks:	A water tab	stream gauge, mon le is present at 21	itoring well, a	erial photos, p and hydrolog	revious insp y is assum	ed base	d on the landso		n and hydro	phytic vegeta	ation.	
Remarks: SOILS Profile Descri	A water tab	stream gauge, mon	inches. Wet	erial photos, p and hydrolog ument the inc	revious insp y is assum	ed base	d on the landso	ndicators.)	n and hydro	phytic vegeta	ation.	
Remarks: SOILS Profile Descri	A water tab	stream gauge, mon le is present at 21 be to the depth ne etion, RM=Reduced M	inches. Wet	erial photos, p and hydrolog ument the inc	revious insp y is assum	onfirm th	d on the landsone absence of interest of the control of the contro	ndicators.)	n and hydro	phytic vegeta	ation.	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	: L3R				Sample Point: w-154n44w33-j1
VEGETATIO		e non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				T
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 6 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 7 (B)
5.	<u> </u>				·
6.	-				Percent of Dominant Species That Are OBL, FACW, or FAC: 85.7% (A/B)
7.					(74B)
8.					Prevalence Index Worksheet
					4
9.					Total % Cover of: Multiply by:
10.					OBL spp. $\frac{30}{1000}$ X 1 = $\frac{30}{1000}$
	Total Cover =	0	<u>—</u>		OBL spp. 30 x 1 = 30 FACW spp. 5 x 2 = 10 FAC spp. 5 x 3 = 15 FACU spp. 5 x 4 = 20 UPL spp. 0 x 5 = 0
					FAC spp. $\underline{\qquad}$ $\underline{\qquad}$ $\underline{\qquad}$ $\underline{\qquad}$ $\underline{\qquad}$ $\underline{\qquad}$ $\underline{\qquad}$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)		FACU spp. $\underline{\qquad}$ $X 4 = \underline{\qquad}$ $\underline{\qquad}$ $\underline{\qquad}$		
1.					UPL spp. $\underline{\qquad 0 \qquad \qquad x 5 = \qquad \underline{\qquad 0 \qquad \qquad }$
2.					
3.					Total <u>45</u> (A) <u>75</u> (B)
4.					
5.					Prevalence Index = B/A = 1.667
6.	<u> </u>				·
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) *
Herb Stratum ((Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Scirpus pallidus	15	Υ	OBL	
2.	Schoenoplectus tabernaemontani	5	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Eleocharis acicularis	5	Υ	OBL	present, unless disturbed or problematic.
4.	Beckmannia syzigachne	5	Υ	OBL	Definitions of Vegetation Strata:
5.	Hordeum jubatum	5	Υ	FACW	
6	Plantago major	5	Y	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Ambrosia artemisiifolia	5	Y	FACU	height (DBH), regardless of height.
8.	Ambiosia artemismona		<u> </u>	1700	
					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
9.					Sapling/Snrub - 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.
	Total Cover =	45			
	. 3.4. 23.731 –				
Woody Vine St	tratum (Plot size: 30 ft. radius)				
1	Tatam (1 lot 5/26. 56 ft. Tadius)				
2.	-				
					Hydrophytic Vegetation Brecont?
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =				
Remarks:	A majority of the wetland area is bare dirt wit	th bulrushe	es dominat	ing the ve	getation.
				-	
Additional F	Remarks:				
Auditional	veillai v.s.				
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