WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	07/30/14	
Applicant:		Enbridge									County:	Marshall	
Investigators		NTT/KRG				_Subregio	`	∖ or LRR):	MLRA 56		State:	MN	
Soil Unit:	I23A							I Classification	:		1		
Landform:	Talf		10			cal Relief		700			Sample Point:	w-157n47w16-b1	
Slope (%):	0 - 2%		Latitude: 48				-96.732		Datum:		.		
	, ,	nditions on the site	<u> </u>			ar? (If no, ex		·		□ No	Section:		
Are Vegetation	•	□, or Hydrology	•	-			Are	e normal circun	•	esent?	Township:	D'.	
Are Vegetation		□, or Hydrology	□aturally p	prob	nemalic?			Yes	□ No		Range:	Dir:	
SUMMARY C			Vo						Hydria Sail	s Present?	Voc		
Hydrophytic \ Wetland Hyd			Yes Yes			_					nt Within A W	etland? Yes	
					v interior in	the chrub	laver an	d Anemone car				idjacent to a large riv	er
Remarks.	The wettand	a is a mesir wet me	cadow with	Canz	X IIIIGIIOI III	the Siliub	layer arr	d Anemone car	laderisis be	iow. The sit	ie is located a	lujacent to a large m	Ci.
HYDROLOG	V												
		ingtone (Obeek all	l the est seemely w			!			, , , , , , , , , , , , , , , , , , ,				
Primary:		icators (Check all	i that apply;	; iviin	ilmum of or	ne primary	or two s	econdary requi	rea):	Socondary:			
	<u>.</u>	Water				B11 - Salt	Crust			Secondary:	B6 - Surface S	oil Cracks	
	A2 - High Wa					B13 - Aqua		l				Vegetated Concave Surf	ace
	A3 - Saturatio					C1 - Hydro					B10 - Drainage	Patterns	
	B1 - Water M					C2 - Dry S			Dooto (not till			Rhizospheres on Living F	Roots (tilled)
	B2 - Sedimen B3 - Drift Dep	•						spheres on Living educed Iron	Roots (not till		C8 - Crayfish E	burrows n Visible on Aerial Image	rv
	B4 - Algal Ma					C7 - Thin I					D2 - Geomorp		· y
	B5 - Iron Dep	osits				Other (Exp	olain)			✓	D5 - FAC-Neu	tral Test	
		on Visible on Aerial Im	nagery								D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-St	ained Leaves											
Field Observ	vations:												
		Vac = □	Da			(in)							
Surface Water		Yes □ Yes □		epth: _ epth:		_ (in.) _ (in.)			Wetland H	lydrology l	Present?	Υ	
Water Table			'	эрин. ₋		_ (in.)							
I Saturation Dr	racanti	Vac \square	De	nth.		(in)							
Saturation Pr		Yes		epth:		(in.)							
Describe Rec	orded Data (s	stream gauge, mon	itoring well, a	aeria	al photos, pr	evious insp							
	orded Data (s	stream gauge, mon	itoring well, a	aeria	al photos, pr	evious insp			the landsca	pe position	and hydroph	ytic vegetation prese	nt.
Describe Reco	orded Data (s	stream gauge, mon	itoring well, a	aeria	al photos, pr	evious insp			the landsca	pe position	and hydroph	ytic vegetation prese	nt.
Describe Reco	orded Data (s No primary	stream gauge, moni wetland hydrology	itoring well, a	aeria are	al photos, pr present, bu	evious insp t hydrolog	y is assu	imed based on		pe position	and hydroph	ytic vegetation prese	nt.
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site	: L3R				Sample Point: w-157n47w16-b1
VEGETATIO		e non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	<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:3(A)
3.					
4.					Total Number of Dominant Species Across All Strata:3(B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. <u>5</u> x 1 = <u>5</u>
	Total Cover =	0			FACW spp. $\frac{115}{2}$ \times 2 = $\frac{230}{2}$
					FAC spp. $0 x 3 = 0$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FAC spp. 0
1.	Salix interior	25	Υ	FACW	UPL spp. $0 x 5 = 0$
2.	Salix amygdaloides	5	N	FACW	
3.					Total 120 (A) 235 (B)
4.					```
5.					Prevalence Index = B/A = 1.958
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
10.	Total Cover =	30			X Prevalence Index is ≤ 3.0 *
	Total Gover =		_		
Harb Ctratum	(Diet eizer Eft redire)				Morphological Adaptations (Explain) *
	(Plot size: 5 ft. radius)	50	Υ	FACW	Problem Hydrophytic Vegetation (Explain) *
1.	Anemone canadensis		<u>т</u> Ү		* Indicators of hydric soil and watland hydrology must be
2.	Equisetum hyemale	35		FACW	 * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Eutrochium maculatum	5	N	OBL	·
4.					Definitions of Vegetation Strata:
5.					<u>_</u>
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.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	90			
	<u> </u>		_ _		
Woody Vine S	tratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.					
	Total Cover =	0			
Remarks:			d Equisetu	m hyemal	e in the ground layer and Salix interior in the shrub layer.
			1	<i>y</i> = 1.1.51	
Additional	Pomarke:				
Additional I	Aciliai No.				