WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/12/14	
Applicant:		Enbridge								County:	Pennington	
Investigators		MRK/BEH/RAJ			_Subregio	`	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	166A			<u> </u>			I Classification	:				
Landform:	Talf		10.4		cal Relief		4000000			Sample Point:	u-154n45w25-g1	
Slope (%):	0 - 2%		Latitude: 48.1				1008333	Datum:				
	-	nditions on the sit			al ? (If no, ex			☑ Yes	□ No	Section:		
Are Vegetati		□, or Hydrology	•	•		Air	e normal circur ☑ Yes	nstances pro □ No	esent?	Township:	Dire	
Are Vegetati SUMMARY		□, or Hydrology	Haturally pr	obiemanc?				□ INO		Range:	Dir:	
	Vegetation P		No					Hydric Soi	ls Present?	Vec		
	drology Prese		No No		_					t Within A W	etland? No	
Remarks:				vfield domina	ted by hird	t's-foot tr	efoil smooth b				re present, but no other we	etland
rtemants.	•	ere observed. The		•	•				ando astor.	riyano sons c	are present, but no other we	Maria
HYDROLOG		rere ebbervea. Tric	o apiana aroc	ridono a topi	ayor or me	DOG WITHOU	no procent in t	ne wettaria:				
		icators (Chack all	l that apply: N	dinimum of on	o primary	or two c	ocondory roqui	rod):				
Primary	•	icators (Check all	i triat apply, it	dinimum of or	ie primary	or two s	econdary requi	rea):	Secondary:			
	<u>··</u>	Water			B11 - Salt	Crust				B6 - Surface S	oil Cracks	
	A2 - High Wa	ter Table			B13 - Aqua		l				Vegetated Concave Surface	
	A3 - Saturation				C1 - Hydro					B10 - Drainage		(4111 IN
	B1 - Water M B2 - Sedimen				C2 - Dry S		ater Table spheres on Living	Poots (not till		C3 - Oxidized C8 - Crayfish I	Rhizospheres on Living Roots (t	tilled)
	B3 - Drift Dep						educed Iron	NOOLS (HOL LIII	, –	•	n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin I				_	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)	
	be - water-s	allieu Leaves										
Field Obser	vations:											
Surface Wat		Yes 🗆	Dept	h:	(in.)							
Water Table		Yes 🗆	Dept		– (in.)			Wetland F	lydrology l	Present?	N	
			•		_ ` ′							
Saturation P	resent?	Yes □	Dept	h:	(in.)							
			<u> </u>		_ ` ′	nections)	if available:					
Describe Rec	corded Data (s	stream gauge, mon	itoring well, a	erial photos, pr	evious insp	pections),	, if available:					
	corded Data (s		itoring well, a	erial photos, pr	evious insp	pections),	, if available:					
Describe Rec	corded Data (s	stream gauge, mon	itoring well, a	erial photos, pr	evious insp	pections),	, if available:					
Describe Rec Remarks: SOILS Profile Descr	orded Data (s No primary ription (Descr	stream gauge, monor secondary hydrone be to the depth ne	itoring well, acrological indicates	erial photos, preators were ob	revious insposerved.	onfirm th	e absence of ir					
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site	e: L3R				Sample Point: u-154n45w25-g1		
VEGETATIC		re non-native	e species.)				
Tree Stratum	(Plot size: 30 ft. radius)						
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet		
1.							
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)		
3.							
4.					Total Number of Dominant Species Across All Strata: 3 (B)		
5.					rotal remove of Dominant Operator variation.		
					Demand of Deminary Organics That Are ODL FACING as FACE 22 20/ (A/D)		
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (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. 30		
					FAC spp. 10 $\times 3 = 30$		
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 60 $x 4 = 240$		
1.	Otratam (Flot 6126: To ft. fadias)				UPL spp. $\frac{20}{20}$ $\frac{1}{20}$ $\frac{2}{100}$		
2.					Οι L spp		
					T		
3.					Total 125 (A) 435 (B)		
4.							
5.					Prevalence Index = B/A = 3.480		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.					Dominance Test is > 50%		
10.	Total Cayor						
	Total Cover =	0			Prevalence Index is ≤ 3.0 *		
					Morphological Adaptations (Explain) *		
Herb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Lotus corniculatus	40	Υ	FACU			
2.	Bromus inermis	20	Υ	UPL	* Indicators of hydric soil and wetland hydrology must be		
3.	Symphyotrichum lateriflorum	20	Υ	FACW	present, unless disturbed or problematic.		
4.	Solidago altissima	15	N	FACU	Definitions of Vegetation Strata:		
5.		10	N	FACW	Definitions of Vegetation Strata.		
	Symphyotrichum lanceolatum				T		
6	Solidago gigantea	5	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast		
7.	Cirsium arvense	5	N	FACU	height (DBH), regardless of height.		
8.	Sonchus arvensis	5	N	FAC			
9.	Carex granularis	5	N	OBL	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 =	125					
Woody Vine S	Stratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present? N		
					Hydrophytic Vegetation Present?N		
5.							
4.							
	Total Cover =						
Remarks:	The upland sample point is dominated by bir	rd's-foot tre	efoil, smoo	th brome a	and calico aster.		
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Additional	Remarks:						