WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/22/14	
Applicant:		Enbridge			0.1	(A 41 D)		1415450		County:	Marshall	
Investigators		BJC/NTT/BEH			Subregic	•	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	124A				Land Dalin		'I Classification:	·			455400 1.4	
Landform:	Talf 0 - 2%		1 -444 10	772205	Local Relief		0570	Deture		Sample Point:	u-155n46w2-k1	
Slope (%):		onditions on the site	Latitude: 48.			e: -96.522		Datum:	□ No	Section:		
Are Vegetation	,				•		e normal circun			Township:		
Are Vegetation			□aturally p	•			e normal circuit ☑ Yes		CSCIII:	Range:	Dir:	
SUMMARY C			Hatarany p	obicinatio			E 163	- 110		range.	DII.	
Hydrophytic '			No					Hydric Soi	Is Present?	No		
Wetland Hyd	•		No							t Within A W	etland? No	
Remarks:		sample point is loc		eld planted	to pasture gr	asses. T	he vegetation h					
					p 9.				.,			
HYDROLOG	Υ											
		icators (Check all	that apply: I	Minimum o	f one primary	or two s	econdary requi	red):				
Primary	•	icators (Crieck all	ттат аррту, т	viii iii ii iu ii i	one primary	OI WOS	econdary requi	ieu).	Secondary:			
<u> </u>	A1 - Surface	Water			□ B11 - Salt	Crust				B6 - Surface S	oil Cracks	
	A2 - High Wa				•	iatic Fauna					Vegetated Concave Su	ırface
	A3 - Saturation					ogen Sulfid				B10 - Drainage		5 ((())
	B1 - Water M B2 - Sedimer						ater Table spheres on Living	Poots (not till		C3 - Oxidized C8 - Crayfish E	Rhizospheres on Living	g Roots (tilled)
	B3 - Drift Dep	•					educed Iron	NOOIS (HOL IIII			n Visible on Aerial Imag	nerv
	B4 - Algal Ma					Muck Surf			_	D2 - Geomorp		, ,
	B5 - Iron Dep				□ Other (Ex	plain)				D5 - FAC-Neu		
		on Visible on Aerial Ima	agery							D7 - Frost-Hea	aved Hummocks (LRR	F)
	B9 - water-S	tained Leaves										
Field Observ	vations											
		Vac = □	Dom	4la.	(in)							
Surface Wat		Yes □ Yes □		th:	(in.)			Wetland F	lydrology l	Present?	N	
Water Table		Yes □ Yes □	•	th:	(in.) (in.)						—	
			<u> </u>		` ` ′							
Describe Rec	`	stream gauge, monit	toring well, a	erial photos	` ` ′	pections)	, if available:					
	`		toring well, a	erial photos	` ` ′	pections)	, if available:					
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Describe Reconstruction Remarks:	No indicato	stream gauge, monit rs of wetland hydro	toring well, a	erial photos bserved.	, previous ins	,		odicators \				
Describe Reconstruction Remarks: SOILS Profile Descri	No indicato	stream gauge, monit rs of wetland hydro ibe to the depth ne	toring well, a	erial photos bserved. ument the	, previous ins	onfirm th	ne absence of in					
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Describe Reconstruction Remarks: SOILS Profile Descri (Type: C=Concer	No indicato	stream gauge, monit rs of wetland hydro libe to the depth ned etion, RM=Reduced Ma Matrix	toring well, a	erial photos bserved. ument the red/Coated Sa	, previous ins indicator or o	confirm th	ne absence of in Pore Lining, M=Matr	rix)	Texture		Remarks	
Describe Reconstruction Remarks: SOILS Profile Description (Type: C=Concert) Depth (In.)	No indicato	stream gauge, monit rs of wetland hydro ibe to the depth ned etion, RM=Reduced Ma Matrix Color (Moist)	toring well, a plogy were of eded to documents, CS=Cove	erial photos bserved. ument the red/Coated Sa	, previous ins	onfirm thation: PL=P	ne absence of in Pore Lining, M=Matr		Texture		Remarks	
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Describe Recordance Remarks: SOILS Profile Descrit (Type: C=Concerdance) Depth (In.) 0-8 8-18	No indicato iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR	stream gauge, monit rs of wetland hydro libe to the depth ned etion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/3	toring well, a plogy were of eded to docutrix, CS=Cove	erial photos bserved. ument the red/Coated Sa	ndicator or cand Grains; Locator (Moist)	mottl	ne absence of in Pore Lining, M=Matr	rix)	SL		Remarks	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-155n46w2-k1		
VEGETATIO		are non-native	species.)				
Tree Stratum ((Plot size: 30 ft. radius)	% Cover	Dominant	Ind Status	Dominance Test Worksheet		
1.	Species Name	<u>% Cover</u>	Dominant	Ind.Status	Dominance rest worksneet		
2.	<u> </u>				Number of Deminant Species that are ORL EACW or EAC:		
3.		1			Number of Dominant Species that are OBL, FACW, or FAC:1(A)		
					Total Number of Deminent Species Agrees All Strate.		
4.					Total Number of Dominant Species Across All Strata:3(B)		
5.							
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. 0 x 1 = 0		
	Total Cover	=0			FACW spp. 5		
					FAC spp. $\underline{25}$ $\times 3 = \underline{75}$		
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp35		
1.					UPL spp35		
2.							
3.					Total 100 (A) 400 (B)		
4.							
5.					Prevalence Index = $B/A = 4.000$		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.	- <u>-</u> -				Dominance Test is > 50%		
	Total Cover	= 0			Prevalence Index is ≤ 3.0 *		
	10141 00101		_				
Harb Stratum /	Diet eizer Eft redius)				Morphological Adaptations (Explain) *		
1.	Plot size: 5 ft. radius) Bromus inermis	35	Υ	UPL	Problem Hydrophytic Vegetation (Explain) *		
					* Indicators of hydric soil and wetland hydrology must be		
2.	Solidago gigantea	15		FAC	present, unless disturbed or problematic.		
3.	Dactylis glomerata	15	Y	FACU			
4.	Solidago altissima	10	N N	FACU	Definitions of Vegetation Strata:		
5.	Helianthus giganteus	5	N	FAC	<u> </u>		
6	Sonchus arvensis	5	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast		
7.	Equisetum hyemale	5	N	FACW	height (DBH), regardless of height.		
8.	Elymus repens	5	N	FACU			
9.	Anemone virginiana	5	N	FACU	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	= 100					
Woody Vine St	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.	<u></u>				Hydrophytic Vegetation Present? N		
5.	<u>'</u>				, a. ep, i.e regetation i recontr		
4.	<u>'</u>	1					
7.	Total Cover	= 0					
Remarks:	The upland sample point is dominated by o		raceae and	d diant do	denrod		
ixemaiks.	The upland sample point is dominated by 0	at pasture g	iasses all	u giai it yu	doniod.		
Additional Remarks:							