WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/26/14	
Applicant:		Enbridge								County:	Marshall	
Investigators	S:	NTT/KRG			Subregio	n (MLRA	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	I133A					NW	I Classification:			1		
Landform:	Depressior				Local Relief:					Sample Point	: w-158n48w26-b1	
	0 - 2%	1	Latitude: 48.	178261	Longitude		556	Dotum				
Slope (%):					-			Datum:				
Are climatic/		onditions on the sit							□ No	Section:		
Are Vegetati	ion 🗆 Soi	I □, or Hydrology	⊏significan	tly disturbed	?	Are	e normal circum	nstances pre	esent?	Township:		
Are Vegetati	on 🗆 So	I □, or Hydrology	Daturally p	oroblematic?			☑ Yes	□ No		Range:	Dir:	
SUMMARY (, , , , , , , , , , , , , , , , , , , ,									
										Vee		
Hydrophytic	•		Yes					Hydric Soil				
Wetland Hyd	drology Prese	ent?	Yes	3				Is This Sar	npling Poin	it Within A W	/etland? Yes	
Remarks:	The wetlan	d is a wet meadow	v located with	hin a roadsic	le ditch. The	vegetati	on is sparse, bu	ut dominated	d by Typha	angustifolia.		
						Ŭ	• • •		5 51	U		
HYDROLOG	Y											
Wetland Hy	drology Inc	licators (Check al	I that apply.	Minimum of	one primary	or two s	econdary requir	red).				
Primary			r that apply,		one primary	01 100 0	coondary roqui	00).	Secondary:			
		W/ator			□ B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
 A1 - Surface Water A2 - High Water Table 												
	•			 B13 - Aquatic Fauna C1 - Hydrogen Sulfi 						B8 - Sparsely Vegetated Concave Surface B10 - Drainage Patterns		
	A3 - Saturati											
	B1 - Water M				C2 - Dry S						Rhizospheres on Living Roots (tilled)	
	B2 - Sedime	•					spheres on Living	Roots (not tille		C8 - Crayfish		
	B3 - Drift De						educed Iron				n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin N		ace		\checkmark	D2 - Geomorp		
	B5 - Iron Dep				Other (Exp Other (Exp	olain)			\checkmark	D5 - FAC-Neu		
		on Visible on Aerial In	nagery							D7 - Frost-He	aved Hummocks (LRR F)	
		Stained Leaves										
Field Obser	votiono											
Field Obser	vations:											
Surface Wat	ter Present?	Yes 🗹	Dep	oth: 2	(in.)			Watland U	vdrology	Drocont?	V	
Water Table	Present?	Yes 🛛	Dep	oth:	(in.)			Wetland H	iyarology i	Present? Y		
Saturation P		Yes 🗹	Dep		(in.)							
Saturation	IESEIII!	165 1	Det	Jul. <u> </u>	(111.)							
Describe Rec	corded Data (stream gauge, mon	vitoring well a	orial photos		<i></i> \						
		Sucan yauye, mon		aenai priolos,	previous insp	pections),	, if available:					
			-	-				s doop				
Remarks:		re saturated through	-	-				s deep.				
Remarks:			-	-				s deep.				
			-	-				s deep.				
Remarks: SOILS	The soils a	re saturated throug	ghout the we	etland with a	small pocke	t of wate	r that is 2 inche	•				
Remarks: SOILS Profile Descr	The soils a	re saturated throug	ghout the we	etland with a	small pocke	t of wate	r that is 2 inche e absence of in	dicators.)				
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Remarks: SOILS Profile Descr	The soils a	re saturated throug ibe to the depth ne letion, RM=Reduced M	ghout the we	etland with a	small pocke	t of wate onfirm th tion: PL=P	r that is 2 inche e absence of in ore Lining, M=Matri	dicators.)				
Remarks: SOILS Profile Descr (Type: C=Conce	The soils a	re saturated throug ibe to the depth ne letion, RM=Reduced M Matrix	ghout the we	etland with a cument the in pred/Coated Sa	small pocke	t of wate onfirm th ation: PL=P Mottle	r that is 2 inche e absence of in ore Lining, M=Matri es	dicators.)				
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site	: L3R				Sample Point: w-158n48w26-b1
		e non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius) Species Name	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet
1.	<u>Species Name</u>	<u>78 COVEL</u>	Dominant	<u>Inu.Status</u>	
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
3.					
4.	<u></u>				Total Number of Dominant Species Across All Strata: 2 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					(AB)
8.	<u> </u>				Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					$OBI spp. 25 \times 1 = 25$
	 Total Cover =	0			OBL spp. 25 X 1 = 25 FACW spp. 30 X 2 = 60 FAC spp. 0 X 3 = 0 FACU spp. 10 X 4 = 40
	-	.			$FAC spp. \qquad 0 \qquad x 3 = 0$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 10 \times 4 = 40
<u>1.</u>					$UPL \text{ spp.} 0 \qquad \text{X } 5 = 0$
2.					
3.					Total <mark>65</mark> (A) 125 (B)
4.					
5.					Prevalence Index = B/A = 1.923
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) *
Herb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Typha angustifolia	25	Y	OBL	
2.	Rumex stenophyllus	20	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Elymus repens	10	N	FACU	present, unless disturbed or problematic.
4.	Persicaria pensylvanica	10	Ν	FACW	Definitions of Vegetation Strata:
5.					
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.					1
14.					1
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	65			
Woody Vine S	tratum (Plot size: 30 ft. radius)				
1.					
2.					
3.				_	Hydrophytic Vegetation Present? Y
5.					
4.					
	Total Cover =	0			
Remarks:	The wetland vegetation is sparse, and most c	of the site	consists o	f bare soil	. Dominant species include Typha angustifolia and Rumex stenophyllus.
Additional I	Remarks:				