WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/18/14	
Applicant:		Enbridge NTT/DELL			0 .	/A 41 D 3	۸ ا D D \			County:	Marshall	
Investigators		NTT/BEH			Subregio	•	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	I53A				I D - I' - ('I Classification:				455 4500 i4	
Landform:	Depression 16 - 25%		Latitude: 48.2		ocal Relief		1200	Datum		Sample Point	w-155n45w28-i1	
Slope (%):		onditions on the site				: -96.434		Datum: ☑ Yes	□ No	Section:		
			7.		•	-	•			=		
Are Vegetati Are Vegetati			□aturally p	ly disturbed?		All	e normal circun ☑ Yes	⊓stances pre □ No	296111?	Township:	Dir:	
SUMMARY (Haturally p	iobiematic:			<u> </u>	□ 1 1 0		Range:	DII.	
Hydrophytic			Yes					Hydric Soil	s Present?	Ves		
•	drology Prese		Yes		<u> </u>					nt Within A W	etland? Yes	
Remarks:				in a roadside	e ditch that	has beer	n mowed Domi					
Remarks: The wetland is a wet meadow located within a roadside ditch that has been mowed. Dominant plants are prairie cord grass and marsh horsetail.												
HYDROLOG	Y											
		inatora (Charle all	that apply N	Aireineanne of a				, a al\ .				
Primary		icators (Check all	tnat apply; i	viinimum of c	one primary	or two s	secondary requi	rea):	Secondary:			
	<u>.</u> A1 - Surface	Water			B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wa				B13 - Aqu		a				Vegetated Concave Surface	
✓	A3 - Saturation				C1 - Hydr					B10 - Drainag	e Patterns	
	B1 - Water M						ater Table	Deate (not till			Rhizospheres on Living Roots (till	
	B2 - Sedimer B3 - Drift Der	•					spheres on Living educed Iron	Roots (not till		C8 - Crayfish	Burrows n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin				□	D2 - Geomorp		
	B5 - Iron Dep	osits			Other (Ex				✓	D5 - FAC-Neu		
		on Visible on Aerial Ima	agery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves										
Field Obser			_		(! \							
Surface Wat		Yes	Dep		_ (in.)			Wetland H	lydrology l	Present?	Υ	
Water Table		Yes	Dep		(in.)				, ,,			
Saturation Present? Yes Depth: 0 (in.)												
				·								
Describe Rec	orded Data (stream gauge, monit	coring well, a	erial photos, p	revious ins	pections),	l , if available:					
Describe Rec Remarks:	<u> </u>	stream gauge, monit		erial photos, p	previous ins	pections),	, if available:					
Remarks:	<u> </u>			erial photos, p	previous ins	pections),	, if available:					
Remarks:	The wetland	d is saturated at the	e surface.									
Remarks: SOILS Profile Descr	The wetland	d is saturated at the	e surface.	ument the inc	dicator or c	onfirm th	ne absence of in					
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Remarks: SOILS Profile Descr	The wetland	d is saturated at the ibe to the depth nee letion, RM=Reduced Ma	e surface.	ument the inc	dicator or c	onfirm th	ne absence of in Pore Lining, M=Matr					
Remarks: SOILS Profile Descr (Type: C=Conce	The wetland	d is saturated at the ibe to the depth nee letion, RM=Reduced Ma Matrix	e surface. eded to doc atrix, CS=Cover	ument the incred/Coated San	dicator or c	onfirm th ation: PL=P Mottl	ne absence of in Pore Lining, M=Matr	rix)	Texture		Remarks	
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Remarks: SOILS Profile Descr (Type: C=Conce	The wetland iption (Description (Description, D=Deportation, D=Deportation) ric Soil Field A1- Histosol	ibe to the depth needletion, RM=Reduced Markix Color (Moist) I Indicators (che	eded to docutrix, CS=Cover	ument the incred/Coated Sand Color Color andicators are	dicator or cod Grains; Local (Moist) (not preser	onfirm theation: PL=P	ne absence of in Pore Lining, M=Matr les Type	Location	Indicators f A9 - 1 cm M	luck (LRR I, J)	c Soils ¹	
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Remarks: SOILS Profile Descr (Type: C=Conce	ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified	ibe to the depth need letion, RM=Reduced Matrix Color (Moist) I Indicators (check the color stice in Sulfide depth at the color (LRR F)	eded to docutrix, CS=Cover	ument the incred/Coated Sand Color Color S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplet	(Moist) (Moist) e not preser Redox ed Matrix Mucky Mine Gleyed Matrix ed Matrix	onfirm the ation: PL=P Mottl % nt):	ne absence of in Pore Lining, M=Matr les Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc	fluck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressiced Vertic	c Soils ¹ (LRR F, G, H)	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-155n45w28-i1
VEGETATION	(Species identified in all uppercase	are 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:1(A)
3.					
4.					Total Number of Dominant Species Across All Strata:1 (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.					Total % Cover of: Invitation of the problem of the probl
	Total Cover	=0	FACW spp. $_{-}$ 70		
					FAC spp. $0 X 3 = 0$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $0 x 4 = 0$
1.					UPL spp. $0 X 5 = 0$
2.					
3.					Total(A)(B)
4.					
5.					Prevalence Index = B/A = 2.000
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 (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Spartina pectinata	50	Υ	FACW	
2.	Rumex stenophyllus	10	N	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Equisetum palustre	10	N	FACW	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					1
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.		1			1
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					1
11.					1
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.		1			1
14.	J.				1
15.					Woody Vines - All woody vines, regardless of height.
10.	Total Cover	= 70			1
	Total Cover	= 70	_		
Mandy Vina Ct	rotum (Diot circ. 20 ft modius)				
vvoody vine Sti	ratum (Plot size: 30 ft. radius)				-
2.	<u> </u>				
					Undrankutia Vagatatian Dragant?
3.	<u> </u>				Hydrophytic Vegetation Present?Y
5.	<u> </u>				-
4.	Total Cayor				
Domorko	Total Cover		ant plants		ric could appear with marrow loof dock and march haracteil
Remarks:	The wetland has bare soil in patches through	gnout. Domir	nant plants	s are prair	rie cord grass with narrow-leaf dock and marsh horsetail.
Additional R	lemarks:				