WETLAND DETERMINATION DATA FORM Great Plains Region

Droiget/Citer										Deter	00/07/14
Project/Site:		L3R Fabridae								Date:	<u>09/27/14</u>
Applicant:		Enbridge			.					County:	Pennington
Investigators										State:	MN
Soil Unit:		I48A NWI Classification:									
Landform:	Depression Local Relief: CL									Sample Point	: w-154n44w28-f1
Slope (%):	16 - 25%		Latitude: 48.12	2852	Longitude:	-96.311	619	Datum:			
Are climatic/	hydrologic co	nditions on the sit	te typical for th	is time of yea	ar? (If no, exp	lain in rema	arks)	☑ Yes	□ No	Section:	
Are Vegetation		□, or Hydrology					e normal circun	nstances pre	esent?	Township:	
Are Vegetati		□, or Hydrology				,	⊠ Yes			Range:	Dir:
SUMMARY C			platarany pro	biematie:			⊡ 163			Range.	Dii.
										M	
Hydrophytic	•		Yes		-				s Present?		
Wetland Hyd			Yes							t Within A W	
Remarks:	The wetland	d is a fresh wet me	eadow located	within a road	dside ditch	and don	ninated by narr	ow-leaf catt	ail and prai	rie cord gras	S.
HYDROLOG	Y										
								I)			
-	•••	icators (Check al	ll that apply; Mi	nimum of on	e primary	or two se	econdary requi	red):	- ·		
Primary									Secondary:		
	A1 - Surface Water				B11 - Salt (B6 - Surface S	
	A2 - High Water Table				B13 - Aqua						Vegetated Concave Surface
\checkmark	A3 - Saturatio				C1 - Hydro					B10 - Drainag	
	B1 - Water M				C2 - Dry Se						Rhizospheres on Living Roots (tilled)
	B2 - Sedimer	•					spheres on Living	Roots (not tille		C8 - Crayfish	
	B3 - Drift Dep				C4 - Prese						n Visible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin M		ace		\checkmark	D2 - Geomorp	
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu	
		n Visible on Aerial In	nagery							D7 - Frost-He	aved Hummocks (LRR F)
	B9 - Water-S	ained Leaves									
Field Obser	vations:										
Surface Wat	er Present?	Yes 🛛	Depth		(in.)					_	
Water Table		Yes 🗆	Depth		- (in.)			Wetland H	lydrology I	Present?	Y
Saturation P			•		-						
Saturation	resent?	Yes 🛛	Depth	0	_ (in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
	(ficani gaage, nion	intoring wen, aer	iai priotos, pr	evious insp	ections),	if available:				
	•			iai priotos, pr	evious insp	ections),	if available:				
Remarks:	•	turated at the sur		iai photos, ph	evious insp	ections),	If available:				
Remarks:	•			iai priotos, pri	evious insp	ections),	If available:				
Remarks: SOILS	Soils are sa	turated at the sur	face.			·		dicators)			
Remarks: SOILS Profile Descri	Soils are sa	turated at the sur	face.	nent the indi	cator or co	onfirm the	e absence of ir				
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Remarks: SOILS Profile Descri	Soils are sa	be to the depth ne	face.	nent the indi	cator or co	onfirm the	e absence of ir ore Lining, M=Matr				
Remarks: SOILS Profile Descri (Type: C=Concer	Soils are sa	turated at the surf be to the depth ne etion, RM=Reduced M Matrix	face. eeded to docur Aatrix, CS=Covered	nent the indi	cator or co Grains; Locat	onfirm the ion: PL=Pe Mottle	e absence of in ore Lining, M=Matr es	ix)			
Remarks: SOILS Profile Descri	Soils are sa	be to the depth ne	face.	nent the indi	cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	Soils are sa	turated at the sur be to the depth ne etion, RM=Reduced M Matrix Color (Moist)	face.	nent the indi d/Coated Sand Color (Cator or co Grains; Locat Moist)	nfirm the ion: PL=Po Mottle	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f	or Problemati	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w28-f1
VEGETATIO		are non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)	% Cover	Dominant	Ind Status	Dominance Test Worksheet
1.	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	
2.					Number of Dominant Species that are OPL EACIN/ or EAC: $2 (\Lambda)$
3.		-			Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
					Total Number of Dominant Species Aerose All Strates 2 (P)
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7.					Drovolonce Index Workshoet
8.					Prevalence Index Worksheet
9.					Total % Cover of: <u>Multiply by:</u>
10.	 Total Cover				OBL spp. 50 x 1 = 50
	Total Cover	= 0			FACVV spp. 50 $X Z = 100$
O a a lia a /Oh a da					FACW spp. 50 x $2 =$ 100 FAC spp. 0 x $3 =$ 0 FACU spp. 0 x $4 =$ 0
	Stratum (Plot size: 15 ft. radius)	-			$FACU \text{ spp.} \qquad 0 \qquad X \ 4 = \qquad 0$
1.					UPL spp. 0 $x 5 = 0$
2.					
3.					Total <u>100</u> (A) <u>150</u> (B)
4.					
5.					Prevalence Index = B/A = <u>1.500</u>
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover	=0			X
					Morphological Adaptations (Explain) *
	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Typha angustifolia	40	Y	OBL	
2.	Spartina pectinata	20	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Phalaris arundinacea	15	N	FACW	present, unless disturbed or problematic.
4.	Phragmites australis	15	N	FACW	Definitions of Vegetation Strata:
5.	Eleocharis palustris	10	N	OBL	
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.					1
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover	= 100			
			_		
Woody Vine St	tratum (Plot size: 30 ft. radius)				
1.					
2.	Í				
3.					Hydrophytic Vegetation Present? Y
5.					
4.	,				
	Total Cover	= 0			
Remarks:	The wetland vegetation is dominated by na		ttail and p	rairie cord	grass.
	the metalia regolation is dominated by he				
۲ ۱۹	Domorko				
Additional F	temarks:				
1					