WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:										Date: 09/15/14		
Applicant:	ant: Enbridge						County: Pennington					
Investigators		Subregion (MLRA or LRR): MLRA 56							State: MN			
Soil Unit: Landform:	I75A Depression			_	cal Relief:		I Classification:			Sample Point: w-154n44w31-k1		
Slope (%):	Depression 0 - 2%		48 11				095	Datum:	•	Sample Point. W-1541144W51-K1		
Slope (%): 0 - 2% Latitude: 48.119743 Longitude: -96.352095 Datum: Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)												
Are Vegetation		•		disturbed?	(**************************************	ī	e normal circum			Township:		
Are Vegetation	•		blematic?			Yes	□ No ˙		Range: Dir:			
SUMMARY OF FINDINGS												
Hydrophytic Vegetation Present?									Is Present?			
Wetland Hydrology Present?				Yes						nt Within A Wetland? Yes		
Remarks:	A Willow-Ca	arr community dominated	by mea	adow willow	and broad	-leaved	sedges. All pai	rameters of	wetland co	anditions are present.		
HYDROLOG'	V											
								1)				
		icators (Check all that ap	ply; Mii	nimum of on	e primary	or two se	econdary requii	ed):	Sacandary			
<u>Primary:</u> □ A1 - Surface Water					B11 - Salt (Crust			<u>Secondary:</u> □ B6 - Surface Soil Cracks			
_ ✓				_ _	B13 - Aqua	atic Fauna				B8 - Sparsely Vegetated Concave Surface		
\square	A3 - Saturation				C1 - Hydro					B10 - Drainage Patterns	۱:۱۱ م ما/	
	B1 - Water M B2 - Sedimen				C2 - Dry Se		spheres on Living	Roots (not till	□ € □	C3 - Oxidized Rhizospheres on Living Roots (t C8 - Crayfish Burrows	illea)	
	B3 - Drift Dep		C4 - Prese			110010 (1101 1111	`	C9 - Saturation Visible on Aerial Imagery				
	B4 - Algal Ma				C7 - Thin N		ace		☑	D2 - Geomorphic Position		
	B5 - Iron Dep	osits on Visible on Aerial Imagery			Other (Exp	iain)				D5 - FAC-Neutral Test D7 - Frost-Heaved Hummocks (LRR F)		
		tained Leaves							_	27 Trost floaved flammooke (ERRT)		
Field Observ	vations:											
Surface Water		Yes	Depth:		_ (in.)			Wetland F	Hvdrology	Present? Y		
Water Table Present? Yes Depth: One Control of the Control of												
Saturation Present? Yes ☑ Depth: 0 (in.)												
			<u>'</u>		• ` `							
Describe Reco	orded Data (s	stream gauge, monitoring w	ell, aeri	al photos, pre	evious insp							
	orded Data (s		ell, aeri	al photos, pre	evious insp			resent. We	etland hydro	ology is present.		
Describe Reco	orded Data (s	stream gauge, monitoring w	ell, aeri	al photos, pre	evious insp			present. We	etland hydro	ology is present.		
Describe Reco	orded Data (s The water to	stream gauge, monitoring wable is at 2 inches and the	ell, aeri soil is	al photos, pre	evious insp the surfac	ce. Aqua	atic snails are p		etland hydro	ology is present.		
Describe Reconstruction Remarks: SOILS Profile Descri	orded Data (s The water to	stream gauge, monitoring w	ell, aeri soil is	saturated to	evious insported the surface	onfirm the	atic snails are p	dicators.)	etland hydro	ology is present.		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w31-k1				
-					•				
VEGETATIO	N (Species identified in all uppercase a	are non-native	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: 4 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: 4 (B)				
5.		-							
6.		1			Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)				
7.					(742)				
8.		1			Prevalence Index Worksheet				
9.									
					Total % Cover of: Multiply by:				
10.	Total Cover				$OBL spp. \underline{91} \qquad X I = \underline{91}$				
	Total Cover =	= 0	FACVV spp. $\frac{41}{2}$ \times $2 = \frac{82}{2}$						
			OBL spp. 91						
	Stratum (Plot size: 15 ft. radius)	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	E4 0)4/	FACU spp. 0				
1.	Salix discolor	30	Υ	FACW	UPL spp. $0 x 5 = 0$				
2.	Salix petiolaris	30	Y	OBL					
3.	Cornus alba	10	N	FACW	Total 132 (A) 173 (B)				
4.]							
5.					Prevalence Index = B/A = 1.311				
6.		1							
7.									
8.		1			Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.		1			X Dominance Test is > 50%				
10.	_l Total Cover =	= 70			X Prevalence Index is ≤ 3.0 *				
	Total Cover -	- 70							
					Morphological Adaptations (Explain) *				
Herb Stratum (Plot size: 5 ft. radius)			0.01	Problem Hydrophytic Vegetation (Explain) *				
1.	Carex atherodes	30	Y	OBL					
2.	Carex lacustris	20	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be				
3.	Carex utriculata	10	N	OBL	present, unless disturbed or problematic.				
4.	Galium labradoricum	1	N	OBL	Definitions of Vegetation Strata:				
5.	Phalaris arundinacea	1	N	FACW					
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.					Supmig/Sinus				
11.									
					Herb - All herbaceous (non-woody) plants, regardless of size.				
12.					Terb - All Herbaceous (Horr-woody) plants, regardless of size.				
13.		<u> </u>							
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	= 62		_ _					
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? Y				
5.		1			Trydrophytic vegetation resent:				
4.		1							
4.	Total Cover =	= 0							
Damarka					ith a days a barbaca and layer of broad lagued method and see . I be drough the				
Remarks:	· · · · · · · · · · · · · · · · · · ·	adow willov	w and puss	sy willow w	vith a dense herbaceous layer of broad-leaved wetland sedges. Hydrophytic				
vegetation is present.									
Additional Remarks:									