WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R									Date: County:	09/30/14				
Applicant:		Enbridge								Pennington				
Investigators										MN				
Soil Unit:														
Landform:	Slope (%): 3 - 7% Latitude: 47.99020967 Longitude: -96.1420795000 Datum:													
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Yes □ No Section:														
Are Vegetation	-	☑, or Hydrology □signi		•		e normal circum			Township:					
Are Vegetation			-	blematic?	Aic	✓ Yes	□ No	CSCIII:	Range:	Dir:				
	SUMMARY OF FINDINGS													
Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes														
Wetland Hydrology Present?			Yes			Is This Sampling Point				etland? Yes				
Remarks: Wetland sample point is located in a drainageway running through a cultivated soybean field.														
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HYDROLOG	Y													
		cators (Check all that ap	only: Mir	nimum of one primary	or two se	econdary requir	ed).							
Primary:		oators (orrect an triat ap	Jpry, Iviii	minant of one primary	OI two st	scondary require	cu).	Secondary:						
	A1 - Surface \	Vater		□ B11 - Salt	Crust				B6 - Surface S	oil Cracks				
	A2 - High Wat			□ B13 - Aqua						Vegetated Concave Surface				
	A3 - Saturatio			□ C1 - Hydro					B10 - Drainage					
	B1 - Water Ma B2 - Sediment			□ C2 - Dry S □ C3 - Oxidiz		iter Table spheres on Living F	Roots (not till	□	C3 - Oxidized C8 - Crayfish I	Rhizospheres on Living Roots (tilled)				
	B3 - Drift Dep	•		□ C4 - Prese			10013 (1101 1111	`		n Visible on Aerial Imagery				
	B4 - Algal Mat			□ C7 - Thin N				✓	D2 - Geomorp	hic Position				
	B5 - Iron Depo			□ Other (Exp	lain)			☑	D5 - FAC-Neu					
	B7 - Inundatio B9 - Water-St	n Visible on Aerial Imagery							D7 - Frost-Hea	aved Hummocks (LRR F)				
	by - water-st	airieu Leaves												
Field Observ	vations:													
Surface Wate		Yes 🗆	Depth:	(in.)										
Water Table		Yes	Depth:				Wetland F	lydrology F	Present?	Υ				
			•											
Dogariba Basa	orded Data (a	troom govern monitoring v			o otiona)	if available:								
	<u> </u>	tream gauge, monitoring v	vell, aeri		ections),	if available:								
Describe Reco	<u> </u>	tream gauge, monitoring v	vell, aeri		ections),	if available:								
Remarks:	<u> </u>		vell, aeri		ections),	if available:								
Remarks:	Wetland sar	mple point is located in a	vell, aeri dip.	al photos, previous insp	·		dicators.)							
Remarks: SOILS Profile Descri	Wetland sar		vell, aeri	nent the indicator or co	onfirm th	e absence of inc								
Remarks: SOILS Profile Descri	Wetland sar	mple point is located in a	vell, aeri	nent the indicator or co	onfirm th	e absence of inc								
Remarks: SOILS Profile Descri	Wetland sar	mple point is located in a	vell, aeri	nent the indicator or co	onfirm th	e absence of incore Lining, M=Matrix								
Remarks: SOILS Profile Descri	Wetland sar	point is located in a be to the depth needed to the depth needed to the depth needed to the detion, RM=Reduced Matrix, CS	vell, aeri	nent the indicator or co	onfirm the	e absence of incore Lining, M=Matrix		Texture		Remarks				
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site	e: L3R				Sample Point: w-152n43w15-b1	
VEGETATIO	· · ·	e 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.					`` <i></i> `` <i>,</i>	
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)	
7.					- Toront or Bornmant oposics That Are OBE, TAOV, or TAO.	
8.					Prevalence Index Worksheet	
9.					Total % Cover of: Multiply by:	
10.					OBL spp. 0	
	Total Cover =	0	_		FACW spp. $\frac{75}{}$ $\times 2 = \frac{150}{}$	
					FAC spp. $0 x 3 = 0$	
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $0 x 4 = 0$	
1.					$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
2.	_					
3.	-				Total 75 (A) 150 (B)	
4.	-					
					Draveler as Index D/A	
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 *	
	Total Cover					
III d Otast as	(D) () () () () () ()				Morphological Adaptations (Explain) *	
	(Plot size: 5 ft. radius)			E 4 0) 4 /	X Problem Hydrophytic Vegetation (Explain) *	
1.	Cyperus esculentus	75	Y	FACW		
2.					* Indicators of hydric soil and wetland hydrology must be	
3.					present, unless disturbed or problematic.	
4.					Definitions of Vegetation Strata:	
5.					7	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast	
7.					height (DBH), regardless of height.	
8.					4	
				-	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.	
9.					Sapining/Shirub - Woody plants less than 5 in. DDI i, regardless of neight.	
10.						
11.						
12.					Herb - All herbaceous (non-woody) plants, regardless of size.	
13.						
14.					7	
15.					Woody Vines - All woody vines, regardless of height.	
	Total Cover =	75				
	Total Cover =	73	_			
•	stratum (Plot size: 30 ft. radius)					
1.						
2.						
3.					Hydrophytic Vegetation Present?Y	
5.						
4.						
	Total Cover =	0				
Remarks:	Wetland sample point is dominated by chufa					
itemarks.	Wetland sample point is dominated by chara	1=				
Additional	Remarks:					