WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: County:	06/27/14		
Applicant: Enbridge											Kittson		
Investigators: BCS/BEH				Subregion (MLRA or LRR): MLRA 56 NWI Classification:						State:	MN		
Soil Unit: Landform:	I248A Side slope			-	ool Doliof:		Classification:			Comula Daia			
Landform: Side slope Local Relief: VV Sample Point: u-160n50w10-c1 Slope (%): 0 - 2% Latitude: 48.69272533 Longitude: -97.0996641333 Datum:													
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)													
Are Vegetation \Box Soil \Box or Hydrology \Box gnificantly disturbed?										Township:			
Are Vegetatio		□ or Hydrology					⊡ Yes			Range:	Dir:		
SUMMARY C													
	Hydrophytic Vegetation Present? No Hydric Soils Present? No												
				No			Is This Sampling Poir				/etland? No		
		sample point is loo	cated within a	CRP field. T	he site is	dominate	ed by big bluest	tem.					
HYDROLOG	Y												
Wetland Hy	drology Indi	cators (Check all	that apply; M	linimum of on	e primary	or two s	econdary requi	red):					
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required): Primary: Secondary:													
	A1 - Surface \				B11 - Salt					B6 - Surface			
	A2 - High Wat A3 - Saturatio				B13 - Aqua C1 - Hydro					B8 - Sparsely B10 - Drainag	Vegetated Concave Surface		
	B1 - Water Ma				C2 - Dry S						Rhizospheres on Living Roots (tilled		
	B2 - Sedimen				C3 - Oxidiz	ed Rhizos	pheres on Living	Roots (not til	le 🗖	C8 - Crayfish	Burrows		
	B3 - Drift Dep						duced Iron				n Visible on Aerial Imagery		
	B4 - Algal Mat B5 - Iron Dep				C7 - Thin M Other (Exp		ace			D2 - Geomor D5 - FAC-Ne			
		n Visible on Aerial Im	agery	-		iairi)					aved Hummocks (LRR F)		
	B9 - Water-St	ained Leaves	• •								. ,		
Field Observ													
Surface Wate				ו:				Wetland H	- lydrology	Present?	Ν		
Water Table		Yes 🔲		ו:				motiunai	i yai ology i	10001111	<u></u>		
Saturation Present? Yes D Depth: (in.)													
					. ()								
Describe Reco	orded Data (s	tream gauge, moni			,	pections),	if available:						
Describe Reco Remarks:		tream gauge, moni	toring well, ae	rial photos, pro	evious insp	-	if available:						
Remarks:			toring well, ae	rial photos, pro	evious insp	-	if available:						
Remarks: SOILS	No primary	or secondary wetla	toring well, ae and hydrology	rial photos, pro	evious insp ere observ	ved.							
Remarks: SOILS Profile Descri	No primary	or secondary wetla	toring well, ae and hydrology eeded to docu	rial photos, pro	evious insp ere observ cator or co	ved.	e absence of ir						
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Remarks: SOILS Profile Descri (Type: C=Concer	No primary	be to the depth ne etion, RM=Reduced Ma Matrix	toring well, ae and hydrology eeded to docu atrix, CS=Covere	rial photos, pro rial photos, pro rindicators w ment the indi d/Coated Sand (evious insp ere observ cator or co Grains; Loca	ved. onfirm th tion: PL=P Mottle	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks		
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-160n50w10-c1					
VECETATIO										
VEGETATIO Tree Stratum (N (Species identified in all uppercase ar Plot size: 30 ft. radius)	e non-native	species.)							
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.										
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)					
<u> </u>					Total Number of Dominant Species Across All Strata: 1 (B)					
5.										
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)					
7.										
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.					OBL spp. 0 x 1 = 0					
	Total Cover =	0			FACW spp. 2 x 2 = 4					
Capling/Obsub (FAC spp. 0 $x 3 = 0$					
Sapiing/Shrub 3	Stratum (Plot size: 15 ft. radius) Amorpha fruticosa	2	N	FACW	FACU spp. 77 x 4 = <u>308</u> UPL spp. 0 x 5 = 0					
2.		-								
3.					Total 79 (A) 312 (B)					
4.										
5.		-			Prevalence Index = B/A = <u>3.949</u>					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9. 10.					Rapid Test for Hydrophytic Vegetation Dominance Test is > 50%					
10.	Total Cover =	2			Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Andropogon gerardii	75	Y	FACU						
2.	Taraxacum officinale	2	Ν	FACU	* Indicators of hydric soil and wetland hydrology must be					
3.					present, unless disturbed or problematic.					
4.					Definitions of Vegetation Strata:					
5. 6					Trop					
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast 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.				<u>.</u>						
14.					Woody Vines - All woody vines, regardless of height.					
15.	Total Cover =	77			WOODY VILLES - All woody villes, regardless of height.					
Woody Vine St	ratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.	Total Cover =	0								
Remarks:	The vegetation is dominated by big bluesten									
Additional Remarks:										