WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date: County:	06/30/14	
Applicant: Enbridge											Kittson	
Investigators: EAB/RAJ				Subregion (MLRA or LRR): MLRA 56							MN	
Soil Unit: Landform:	I132A Talf			<u> </u>	cal Relief:		I Classification:			Comple Daini		
	0 - 2%		Latitude: 48.57		Longitude:		185	Datum:		Sample Point	<u>u-159n49w26-b1</u>	
									⊡ No	Section:		
Are climatic/hydrologic conditions on the site typical for this tim Are Vegetation										Township:		
Are Vegetatio		, or Hydrology					🗹 Yes	□No		Range:	Dir:	
SUMMARY C			,							- 5-		
Hydrophytic V	Vegetation P	resent?	No					Hydric Soi	Is Present?	Yes		
Wetland Hydrology Present?)			Is This Sampling Poir					
Remarks:		site is located in a	a cleared area	between a p	oond, an ui	npaved i	road, farmland,	and a barn	. Smooth bi	rome and Ke	ntucky bluegrass dominat	e the
	site.											
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	that apply; Mi	nimum of or	e primary	or two s	econdary requi	red):				
Primary:				_					Secondary:			
 A1 - Surface Water A2 - High Water Table 					B11 - Salt (B13 - Aqua					B6 - Surface S	Soil Cracks Vegetated Concave Surface	
	A3 - Saturatio				C1 - Hydro				E E			
	B1 - Water M				C2 - Dry Se	ason Wa	ater Table				Rhizospheres on Living Roots	(tilled)
	B2 - Sedimen B3 - Drift Dep										Burrows n Visible on Aerial Imagery	
	B4 - Algal Ma										bhic Position	
	B5 - Iron Dep	osits			Other (Exp	lain)				D5 - FAC-Nei	itral Test	
		n Visible on Aerial Im	lagery							D7 - Frost-He	aved Hummocks (LRR F)	
	B9 - Water-St	amed Leaves										
Field Observ	vations:											
Surface Wate		Yes 🛛	Denth		(in.)							
Water Table		Yes	Depth		(in.)			Wetland H	lydrology	Present?	Ν	
Saturation Pr		Yes	Depth		(in.)							
Describe Rec	orded Data (s	tream dauge moni	itoring well aer	ial photos pr	,	ections)	if available:					
		tream gauge, moni	-		,	ections),	if available:					
Describe Reco Remarks:		tream gauge, moni hydrology indicato	-		,	ections),	, if available:					
			-		,	ections),	, if available:					
Remarks: SOILS Profile Descri	No wetland	hydrology indicato be to the depth ne	eeded to docur	ved. nent the indi	evious insp	onfirm th	e absence of ir					
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Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docur atrix, CS=Covered	ved. nent the indi	evious insp cator or cc Grains; Locat	onfirm th ion: PL=P Mottle	e absence of ir ore Lining, M=Matr	ix)	Toutura		Domotio	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-159n49w26-b1			
VEGETATIO	N (Species identified in all uppercase ar Plot size: 30 ft. radius)	e non-native	species.)					
Thee Stratum (Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet			
1.		<u>// 000001</u>	Dominant	<u>Ind.otdtub</u>				
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)			
3.								
4.					Total Number of Dominant Species Across All Strata: 2 (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 $x = 0$			
	Total Cover =	0			FACW spp. 0 $x 2 = 0$			
					FAC spp. 15 x 3 = 45			
	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 x 4 = 200			
1. 2.	<u> </u>				UPL spp. 70 X 5 = 350			
<u> </u>								
3. 4.					Total <u>135</u> (A) <u>595</u> (B)			
4. 5.					Prevalence Index = B/A = 4.407			
6.								
7.								
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					Dominance Test is > 50%			
	Total Cover =	0			Prevalence Index is ≤ 3.0 *			
					Morphological Adaptations (Explain) *			
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Bromus inermis	70	Y	UPL				
2.	Poa pratensis	30	Y	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Sonchus arvensis	15	N	FAC	present, unless disturbed or problematic.			
4.	Melilotus officinalis	15	N	FACU	Definitions of Vegetation Strata:			
5.	Symphyotrichum ericoides	5	N	FACU	_			
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.			
7.					neight (BBH), regardess of height.			
<u>8.</u> 9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.			
9. 10.					Saping/Sinup - Woody plants less and one born, regardless of height			
10.								
12.					Herb - All herbaceous (non-woody) plants, regardless of size.			
13.								
13.								
15.					Woody Vines - All woody vines, regardless of height.			
	Total Cover =	135						
Woody Vine St	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present? N			
5.								
4.	Tatal Opinio	0						
Remarks:	Total Cover =		maller cor	nnonente	of Kentucky bluegrass, sweet clover, and sow thistle.			
Remarks.	The sample site is dominated by smooth bro	nne, with s		nponenta	or remucky bluegrass, sweet clover, and sow mistic.			
Additional Remarks:								
. aanonul N								