## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/04/14	
Applicant:		Enbridge								County:	Polk	
Investigators		JLS/SAM			Subregio		A or LRR):	MLRA 56		State:	MN	
Soil Unit:	712						I Classification	:		-		
Landform:	Talf				cal Relief:					Sample Point	u-150n40w24-f1	
Slope (%):	0 - 2%		Latitude: 47.8		Longitude:			Datum:		-		
		nditions on the site			ar? (If no, exp			⊡Yes	□ No	Section:		
Are Vegetation		, or Hydrology		y disturbed?		Are	e normal circur	•	esent?	Township:		
Are Vegetation		D or Hydrology	☐aturally pi	oblematic?			Yes	□No		Range:	Dir:	
SUMMARY C												
Hydrophytic			No		-				Is Present?			
Wetland Hyd	Irology Prese	ent?	No							t Within A W		
Remarks:				ghtly elevated	area withi	in an ope	en pasture. The	e solis indica	ate a past n	yarıc regime	however, drainage ad	tivities
		rted the area to up	biand.									
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	that apply; N	linimum of on	e primary	or two se	econdary requi	ired):				
Primary:				_		<b>.</b> .			Secondary:			
	A1 - Surface				B11 - Salt B13 - Aqua					B6 - Surface S		
	A2 - High Wa A3 - Saturatio				C1 - Hydro					B10 - Sparsely B10 - Drainag	Vegetated Concave Surfa	ice
	B1 - Water M				C2 - Dry S						Rhizospheres on Living R	toots (tilled)
	B2 - Sedimen						spheres on Living	Roots (not till		C8 - Crayfish		
	B3 - Drift Dep				C4 - Prese						n Visible on Aerial Imager	у
	B4 - Algal Ma B5 - Iron Dep			_	C7 - Thin M Other (Exp		ace			D2 - Geomorp D5 - FAC-Neu		
		on Visible on Aerial Im	nagery			(ant)					aved Hummocks (LRR F)	
	B9 - Water-St	tained Leaves	• •								, , , , , , , , , , , , , , , , , , ,	
Field Observ	vations:											
Surface Wate	er Present?	Yes 🛛	Dept	h:	(in.)			Wotland L	lydrology	Procont?	N	
Water Table	Present?	Yes 🛛		h:	(in.)			Wettanta	iyarology	resent:		
Saturation Pr	resent?	Yes 🛛	Dept	h:	(in.)							
Describe Reco	orded Data (s	stream gauge, moni	itoring well, a	erial photos, pr	evious insp	pections),	, if available:					
Describe Reco Remarks:		stream gauge, moni or secondary indic	-			-	if available:					
			-			-	, if available:					
			-			-	, if available:					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to doc	and hydrology	were obs	erved.	e absence of ir					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to doc	and hydrology	were obs	erved.	e absence of ir					
Remarks: SOILS Profile Descri	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced Ma	eeded to doc	and hydrology	were obs	onfirm th	e absence of ir ore Lining, M=Mat					
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced Ma Matrix	eeded to doci	and hydrology ument the indi ed/Coated Sand	v were obs	erved. onfirm th tion: PL=P Mottle	e absence of ir ore Lining, M=Mat	rix)			Densela	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doct atrix, CS=Cover	and hydrology ument the indi ed/Coated Sand Color (1	v were obs	onfirm th	e absence of ir ore Lining, M=Mat		Texture		Remarks	
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: u-150n40w24-f1
VEGETATIO		re non-native	species.)		
Tree Stratum (	Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.		<u>/// Cover</u>	Dominant	<u>Ind.Otatus</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. <u>5</u> x 1 = <u>5</u>
	Total Cover =	0			FACW spp. 0 x 2 = 0
					FAC spp. 10 x 3 = 30
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 x 4 = 200
1.					UPL spp. 50 x 5 = 250
2.					
3.					Total 115 (A) 485 (B)
4.					
5.					Prevalence Index = B/A = <u>4.217</u>
6.	]				
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
	Total Cover =	0			Prevalence Index is $\leq 3.0$ *
					Morphological Adaptations (Explain) *
Herb Stratum (	Plot size: 5 ft. radius) Bromus inermis	50	Y	UPL	Problem Hydrophytic Vegetation (Explain) *
2.	Phleum pratense	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Zizia aurea	10	N	FAC	present, unless disturbed or problematic.
4.	Solidago canadensis	10	N	FACU	Definitions of Vegetation Strata:
5.	Cirsium arvense	10	N	FACU	
6	Fragaria virginiana	10	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Carex granularis	5	N	OBL	height (DBH), regardless of height.
8.		Ŭ			
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.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	115	_		
	ratum (Plot size: 30 ft. radius)				
1.					
2. 3.					Hudronbutio Vegetation Present2
<u> </u>					Hydrophytic Vegetation Present? N
5. 4.					
4.	Total Cover =	0			
Remarks:			he topogra	aphy of the	e area is quite flat, so wetland boundaries are gradual and subtle.
			pogit	and an an	
<u> </u>					
Additional R	emarks:				
	· · · ·				