## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/03/14
	Applicant: Enbridge									County:	Polk
Investigators: JLS/SAM				Subregion (MLRA or LRR): MLRA 56						State:	MN
Soil Unit:	712						Classification:				
Landform:	Rise				cal Relief:		0.4	Determ		Sample Point:	<u>u-150n40w24-c1</u>
Slope (%):	0 - 2%	nditions on the site	Latitude: 47.80			-95.7265		Datum: ⊡Yes			
		nditions on the site			di? (If no, exp		normal circun		No No	Section:	
Are Vegetation		C or Hydrology				Are	Inormal circun ⊡ Yes		esent?	Township:	Dire
SUMMARY C		G or Hydrology		Diematic?						Range:	Dir:
			No					Hydria Sail	c Procont?	No	
Hydrophytic Vegetation Present? Wetland Hydrology Present?				No No			Hydric Soils Present? No Is This Sampling Point Within A Wetland? No				atland? No
Remarks:		sample point is lo		nht rise withi	n a grazed	nasture	Vegetation is	dominated b	npling Foil	and creeping v	wild rve
Remarks.		sample point is lot			ii a giazeu	pasture.	vegetation is	uommateu i			wild tyc.
HYDROLOG	v										
		icators (Check all	that apply; M	inimum of oi	ne primary	or two see	condary requi	red):	Cocordon		
Primary:	A1 - Surface	Water			B11 - Salt	Crust			Secondary:	B6 - Surface S	oil Cracks
	A2 - High Wa				B13 - Aqua						/egetated Concave Surface
	A3 - Saturatio				C1 - Hydro					B10 - Drainage	
	B1 - Water M B2 - Sedimen			H	C2 - Dry So	eason Wate	er Table oheres on Living	Deate (not till	, 🛛	C3 - Oxidized I C8 - Crayfish E	Rhizospheres on Living Roots (tilled)
	B2 - Sedimen B3 - Drift Dep				C3 - Oxidiz C4 - Prese	nce of Red	uced Iron	ROOLS (HOL UII			I Visible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp	nic Position
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neut	
	B7 - Inundatio B9 - Water-Si	on Visible on Aerial Im	nagery							D7 - Frost-Hea	ved Hummocks (LRR F)
	b9 - Waler-Si	laineu Leaves									
Field Obser	vations										
Surface Wat		Yes 🛛	Denth	:	(in.)						
Water Table		Yes		:	(in.)			Wetland H	lydrology	Present?	N
Saturation P		Yes		 :	(in.)						
Outdration			Deptil	·	()						
					- · ·						
		stream gauge, moni	-		-	-	f available:				
Describe Reco Remarks:		stream gauge, moni or secondary indic	-		-	-	if available:				
Remarks:			-		-	-	f available:				
Remarks: SOILS	No primary	or secondary indic	cators of wetla	nd hydrolog	y were obs	erved.		dicators )			
Remarks: SOILS Profile Descri	No primary		eeded to docu	nd hydrolog	y were obs	onfirm the	absence of ir				
Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to docu	nd hydrolog	y were obs	onfirm the	absence of ir				
Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	nd hydrolog	y were obs	onfirm the	absence of ir				
Remarks: SOILS Profile Descri	No primary	or secondary indic ibe to the depth ne etion, RM=Reduced Ma	eeded to docu	nd hydrolog	y were obs icator or co Grains; Loca	onfirm the tion: PL=Por	absence of ir		Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	cators of wetla eeded to docui atrix, CS=Covere	nd hydrolog ment the ind d/Coated Sand	y were obs icator or co Grains; Loca	onfirm the tion: PL=Por Mottles	e absence of ir re Lining, M=Matr S	ix)	Texture		Remarks
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 docun atrix, CS=Covere %	nd hydrolog ment the ind d/Coated Sand	y were obs icator or co Grains; Loca	onfirm the tion: PL=Por Mottles	e absence of ir re Lining, M=Matr S	ix)			Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-14 8-14 14-20	No primary iption (Descri- ntration, D=Depi Hue_10YR Hue_10YR Hue_2.5Y	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1 5/3	eeded to docuu atrix, CS=Covere % 100 60 40	nd hydrolog ment the ind d/Coated Sand Color (	y were obs	erved.	e absence of ir re Lining, M=Matr S	ix)	LS LS S		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-14 8-14 14-20	No primary iption (Descri- ntration, D=Depi Hue_10YR Hue_10YR Hue_2.5Y	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1 5/3 5/3	eeded to docuu atrix, CS=Covere % 100 60 40	nd hydrolog ment the ind d/Coated Sand Color (	y were obs	erved.	absence of ir re Lining, M=Matr s Type	Location	LS LS S S	for Problematic	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-14 8-14 14-20 NRCS Hydr	No primary iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1 2/1 5/3 5/3 Indicators (ch ipedon	eeded to docuu atrix, CS=Covere % 100 60 40 100 eeck here if inc	nd hydrolog ment the ind d/Coated Sand Color ( Color ( dicators are S5 - Sandy F S6 - Stripped	y were obs	erved.	absence of ir re Lining, M=Matr s Type	Location	LS LS S S Indicators 1 A9 - 1 cm M A16 - Coast	luck (LRR I, J) Prairie Redox (	Soils <sup>1</sup>
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-14 8-14 14-20 NRCS Hydr	No primary iption (Descri- ntration, D=Depi Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 2/1 5/3 5/3 100 Indicators (ch ipedon stic n Sulfide	eeded to docum atrix, CS=Covere % 100 60 40 100 neck here if ind	nd hydrolog ment the ind d/Coated Sand Color ( Color ( dicators are S5 - Sandy F S6 - Strippec F1 - Loamy ( F2 - Loamy (	y were obs	erved.	absence of ir re Lining, M=Matr s Type	Location	LS S S Indicators f A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio	Soils <sup>1</sup>
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: u-150n40w24-c1
VEGETATIO		e non-native	species.)		
Tree Stratum (	Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.		76 COVEL	Dominant	Inu.Status	Dominance rest worksheet
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 1 = 0
	Total Cover =	0	_		FACW spp. 20 x 2 = 40
					FAC spp. 0 $x 3 = 0$
	Stratum (Plot size: 15 ft. radius)				FACU spp. 90 x 4 = 360
1.					UPL spp. 0 $x = 0$
2.					
3.					Total <u>110</u> (A) <u>400</u> (B)
4.	<u> </u>				
5.					Prevalence Index = B/A = <u>3.636</u>
6. 7.	J				
7. 8.					Hydrophytic Vegetation Indicators:
9.					Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation
9. 10.	<u> </u>				Dominance Test is > 50%
10.	Total Cover =	0			Prevalence Index is ≤ 3.0 *
			_		Morphological Adaptations (Explain) *
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Phleum pratense	40	Y	FACU	
2.	Elymus repens	25	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Agrostis gigantea	20	Ν	FACW	present, unless disturbed or problematic.
4.	Lotus comiculatus	10	Ν	FACU	Definitions of Vegetation Strata:
5.	Symphyotrichum ericoides	5	Ν	FACU	
6	Trifolium pratense	5	Ν	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Melilotus officinalis	5	Ν	FACU	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.					
14.					Woody Vines - All woody vines, regardless of height.
15.	Total Cover =	440			WOOUY VIIIES - AN WOOUY VINCE, TOgenaless of height.
	i otal Cover =	110	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.	ĺ				
3.					Hydrophytic Vegetation Present? N
5.					
4.					
	Total Cover =			-	
Remarks:	The vegetation is dominated by timothy and	creeping v	vild rye.		
Additional R	emarks:				