## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: County:	09/16/14	
Applicant: Enbridge				Cubracian (MLDA and DD).							Pennington	
Investigators: MRK/OTG				Subregion (MLRA or LRR): MLRA 56  NWI Classification:							MN	
Soil Unit: Landform:	I9A Dip			_	cal Relief:		i Ciassilication.			Sample Point	w-154n44w33-d1	
Slope (%):	0 - 2%		Latitude: 48.1				4273333	Datum:			W 1041144W00 G1	
		nditions on the site							□ No	Section:		
Are Vegetation		□, or Hydrology		y disturbed?	( , , , , ,	1	e normal circum			Township:		
Are Vegetation		□, or Hydrology	•	•			Yes	□ No ˙		Range:	Dir:	
SUMMARY OF FINDINGS												
Hydrophytic \	Vegetation P	resent?	Yes					Hydric Soi	Is Present?	' Yes		
Wetland Hydrology Present?			Yes				Is This Sampling Poin			nt Within A W	etland? <b>Yes</b>	
Remarks: The wetland sample point is located in a dip within a hayfield.												
HYDROLOGY	V											
HYDROLOG		Santana (Obanda all	that analys N	11:1:				I\ -				
wetland Hy Primary:		icators (Check all	that apply; i	linimum of or	ne primary	or two se	econdary requir	ea):	Socondary			
	<u>.</u>	Nater			B11 - Salt	Crust			Secondary:	<u>.</u> B6 - Surface S	Soil Cracks	
	A2 - High Wat				B13 - Aqua						Vegetated Concave Surface	
	A3 - Saturatio				C1 - Hydro					B10 - Drainage		
	B1 - Water Ma B2 - Sedimen				C2 - Dry So		iter Table spheres on Living	Poots (not till	-  t	C3 - Oxidized C8 - Crayfish I	Rhizospheres on Living Roots (tilled	
	B3 - Drift Dep	•					duced Iron	1,0019 (1101 1111		•	n Visible on Aerial Imagery	
	B4 - Algal Mat	t or Crust			C7 - Thin N				✓	D2 - Geomorp	hic Position	
	B5 - Iron Depo				Other (Exp	lain)			☑	D5 - FAC-Neu		
	B7 - Inundatio	n Visible on Aerial Im	nagery						П	D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-St	allied Leaves										
Field Observ	vations:											
Surface Wate	er Present?	Yes □	Dept	h:	(in.)			Wattanali	la calara La acces	<b>D</b>	V	
Water Table	Present?	Yes □	Dept		–  (in.)			wetiand F	lydrology	Present?	Υ	
Saturation Pr	resent?				<del>-</del> ;, ;							
	COCITE.	Yes □	Dept	h:	_ (in.)							
						ections),	if available:					
Describe Reco	orded Data (s	tream gauge, moni	itoring well, a			ections),	if available:					
	orded Data (s		itoring well, a			ections),	if available:					
Describe Reco	orded Data (s The wetland	stream gauge, moni	itoring well, as a dip.	erial photos, pi	evious insp	·						
Describe Reco Remarks: SOILS Profile Descri	orded Data (s The wetland ption (Descri	stream gauge, moning is located within a street to the depth ne	itoring well, as a dip.	erial photos, pi	revious insp	onfirm th	e absence of in					
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Describe Reconstruction Remarks:  SOILS Profile Descri (Type: C=Concert	orded Data (s The wetland ption (Descri	stream gauge, moning is located within a	a dip. eeded to docuatrix, CS=Cover	erial photos, po iment the inded/Coated Sand	revious insp icator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matr	ix)	Texture		Remarks	
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Describe Record Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.) 0-2 2-7	ption (Descrintration, D=Depleted Data (see	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1 4/1	eeded to docu atrix, CS=Cover	ment the ind ed/Coated Sand  Color (	icator or co Grains; Local	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	P SC		Remarks	
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Describe Record Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.) 0-2 2-7 7-21  NRCS Hydr	ption (Descrintration, D=Depleted Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/1 5/1 Indicators (ch	eeded to docu atrix, CS=Cover	Color ( ) Hue_10YR Hue_10YR Hue_10YR adicators are	icator or co Grains; Local	Mottle %	e absence of inore Lining, M=Matrices  Type  C C C	Location  M M M	P SC SC SC Indicators 1	gravel mixed in  for Problemation	c Soils <sup>1</sup>	
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site	: L3R				Sample Point: w-154n44w33-d1
<b>VEGETATIO</b>	、 .	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:3(A)
3.					
4.					Total Number of Dominant Species Across All Strata: 3 (B)
5.					` ' /
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					Tercent of Bornmant opedies that Are OBE, I AOW, of I Ao
					Drovolonos Indov Workshoot
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 100
	Total Cover =	0	FACW spp. $40$ $\times$ $2 = 80$		
					FAC spp. 0
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $\underline{\hspace{1cm}}$ $x 4 = \underline{\hspace{1cm}}$ 80
1.	Salix interior	30	Υ	FACW	UPL spp.
2.					
3.					Total 160 (A) 260 (B)
4.					(=/
5.					Prevalence Index = B/A = 1.625
6.	-				Trevalence mack = B/A = 7.025
7.					H. Land, Ca Was stadios, In Product
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	30			X Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Carex pellita	60	V	OBL	Problem riydrophytic vegetation (Explain)
			<u> Т</u>		* Indicators of hydric soil and watland hydrology must be
2.	Eleocharis palustris	40	<u> </u>	OBL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Elymus repens	20	N	FACU	·
4.	Symphyotrichum lanceolatum	10	N	FACW	Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
					1
11.					All bank areas (and support a recording of sing
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	130			
	rotal Gover		_		
Moody Vino St	tratum (Plot size: 30 ft. radius)				
	Tratum (Flot Size. 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	0			
Remarks:	The wetland sample point is dominated by sa		ow. woolly	sedge an	nd common spike-rush.
rtomanto	The Westand Campie point to definitated by Co	arrabar viii	on, noon,	oodgo an	
Additional F	Remarks:				