## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: County:	09/17/14
Applicant: Investigators	•	Enbridge NTT/BEH		Subregion (MLRA or LRR): MLRA 56							Pennington MN
Soil Unit:					•	I Classification		State:			
Landform:	: Dip Le					CC			Sample Point	t: w-154n44w33-m1	
Slope (%):	3 - 7%	nditions on the sit	Latitude: 48.		Longitude:			Datum:		Continu	
Are Vegetati	• •	nditions on the sit		ly disturbed?	al ? (If no, exp		arks) e normal circun		$\square$ No	Section: Township:	
Are Vegetati		□, or Hydrology	•	-			⊠ Yes		55611:	Range:	Dir:
SUMMARY (			, ,							0	
Hydrophytic	-		Yes		-				ls Present?		
Wetland Hyd			Yes		field and					t Within A W	/etland? Yes
Remarks:	The wetland	l is a shallow mar	sn that is par	allel to a tilled	field and (	dominate	ed by narrow-le	at cattall an	d pale buirt	ISN.	
HYDROLOG	Y										
		i <b>cators</b> (Check all	l that apply: N	linimum of on	e primarv	or two se	econdarv requi	red):			
Primary	<u>:</u>						ooondary roqui		Secondary:		
	<ul> <li>A1 - Surface Water</li> <li>A2 - High Water Table</li> </ul>					Crust atic Fauna				B6 - Surface S	Soil Cracks Vegetated Concave Surface
	A3 - Saturatio				C1 - Hydro					B10 - Drainag	
	B1 - Water Ma				C2 - Dry S	eason Wa	iter Table			C3 - Oxidized	Rhizospheres on Living Roots (till
	B2 - Sedimen B3 - Drift Dep	•			C3 - Oxidiz C4 - Prese		spheres on Living duced Iron	Roots (not till	• •	C8 - Crayfish C9 - Saturatio	Burrows on Visible on Aerial Imagery
	B4 - Algal Ma	t or Crust			C7 - Thin N				$\checkmark$	D2 - Geomorp	ohic Position
	B5 - Iron Dep		0000		Other (Exp	olain)				D5 - FAC-Neu	
	B9 - Water-St	n Visible on Aerial Im ained Leaves	nagery							D7 - Frost-He	aved Hummocks (LRR F)
Field Obser	vations:										
Surface Wat		Yes 🗆	Dep		(in.)			Wetland H	lydrology l	Present?	Y
Water Table		Yes ☑	Dep	-	(in.)				,		
Saturation Present? Yes 🛛 Depth: <u>0</u> (in.)											
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Soils are saturated at the surface and a water table is present at 18 inches.											
	,		<b>U</b>	•	•						
Remarks:	,		<b>U</b>	•	•						
	,		<b>U</b>	•	•						
Remarks: SOILS Profile Descr	Soils are sa	turated at the surf	face and a wa	ater table is pr	esent at 1 cator or co	8 inches	e absence of ir				
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Remarks: SOILS Profile Descr	Soils are sa	turated at the surf	face and a wa	ater table is pr	esent at 1 cator or co	8 inches	e absence of ir ore Lining, M=Mati				
Remarks: SOILS Profile Descr	Soils are sa	turated at the surf be to the depth ne etion, RM=Reduced M	face and a wa	ater table is pr ument the indi ed/Coated Sand (	esent at 1 cator or co Grains; Loca	8 inches onfirm the tion: PL=Pe	e absence of ir ore Lining, M=Mati		Texture		Remarks
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-10	Soils are sa iption (Descrintration, D=Deple Hue_10YR	turated at the surf be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1	face and a water face a	ater table is pr ument the indi ed/Coated Sand ( Color (1	esent at 1 cator or co Grains; Loca Moist)	8 inches	e absence of ir ore Lining, M=Mati es Type	Location	CL		Remarks
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.)	Soils are sa	turated at the surf be to the depth ne etion, RM=Reduced M Matrix Color (Moist)	face and a water a	ater table is pr ument the indi- ed/Coated Sand ( Color (1 D	esent at 1 cator or co Grains; Loca Moist)	8 inches onfirm the tion: PL=Pe Mottle	e absence of ir ore Lining, M=Mati	rix)			Remarks
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-10 10-18	Soils are sa iption (Descrintration, D=Deple Hue_10YR Hue_10YR	turated at the surf be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 5/2	face and a water a	ater table is pr ument the indi ed/Coated Sand ( Color (1 Hue_10YR	esent at 1 cator or co Grains; Loca Moist) 6/3	8 inches	e absence of ir ore Lining, M=Mati es Type	Location	CL		Remarks
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Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-10 10-18 NRCS Hydr	Soils are sa	turated at the surf	face and a water a	ater table is pr ument the indi ed/Coated Sand ( Color (1 Hue_10YR Hue_10YR dicators are r	esent at 1 cator or co Grains; Loca Moist) 6/3 6/3 not presen edox	8 inches	e absence of ir ore Lining, M=Mati es Type C	Location M	CL S <u>Indicators f</u> A9 - 1 cm M	uck (LRR I, J)	ic Soils <sup>1</sup>
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-10 10-18 NRCS Hydr	Soils are sa iption (Descrintration, D=Deple Hue_10YR Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Ep	turated at the surf	face and a water a	ater table is pr ument the indi ed/Coated Sand ( Color (1) Hue_10YR Hue_10YR dicators are r S5 - Sandy R S6 - Stripped	esent at 1 cator or co Grains; Loca Moist) 6/3 6/3 ot presen edox Matrix	8 inches	e absence of ir ore Lining, M=Mati es Type C	Location M	CL S Indicators f A9 - 1 cm M A16 - Coast	uck (LRR I, J) Prairie Redox	i <u>c Soils<sup>1</sup></u> (LRR F, G, H)
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-10 10-18 NRCS Hydr	Soils are sa	turated at the surf	face and a water a	ater table is pr ument the indi ed/Coated Sand ( Color (1 Hue_10YR Hue_10YR dicators are r	esent at 1 cator or co Grains; Loca Moist) 6/3 6/3 ot presen edox Matrix fucky Miner	8 inches	e absence of ir ore Lining, M=Mati es Type C	Location M	CL S Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si	uck (LRR I, J) Prairie Redox urface (LRR G)	i <u>c Soils<sup>1</sup></u> (LRR F, G, H)
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w33-m1
		non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius) <u>Species Name</u>	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet
1.		<u>78 COVEL</u>	Dominant	<u>Inu.Status</u>	
2.					Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)
3.					
4.	J				Total Number of Dominant Species Across All Strata: 3 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <b>100.0%</b> (A/B)
7.					
8.	J				Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. $60   x   1 = 60$
	 Total Cover =	0			FACW spp. $30$ x 2 = $60$
	_		_		FAC spp. 10 X $3 = 30$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 $x 4 = 0$
1.					$UPL spp. \qquad 0 \qquad x \ 5 = \qquad 0$
2.					
3.					Total 100 (A) 150 (B)
4.					
5.					Prevalence Index = $B/A = 1.500$
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	0			X Prevalence Index is $\leq 3.0$ *
					Morphological Adaptations (Explain) *
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Scirpus pallidus	25	Y	OBL	
2.	Juncus dudleyi	25	Y	FACW	
3.	Typha angustifolia	25	Y	OBL	present, unless disturbed or problematic.
4.	Panicum capillare	10	Ν	FAC	Definitions of Vegetation Strata:
5.	Persicaria amphibia	10	Ν	OBL	
6	Poa palustris	5	Ν	FACW	
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.					
12.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.	1				Woody Vines - All woody vines, regardless of height.
	Total Cover = _	100	_		
Woody Vine St	tratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.	Tatal Oans				
Damarlas	Total Cover =	0	مر المريد (		
Remarks:	The wetland vegetation is dominated by pale	Duirush, L	Judiey's ru	ish, and h	iarrow-iear cattaii.
Additional F	Remarks:				