## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	07/01/14	
	Applicant: Enbridge									County:	Kittson	
Investigators: BEH/BCS				Subregion (MLRA or LRR): MLRA 56						State:	MN	
	I134A Depression				cal Relief:		I Classification:			Somela Doint	w 160p49w21 b1	
	0 - 2%		Latitude: 48.6		Longitude:		418833	Datum:		Sample Point	w-160n49w31-b1	
		nditions on the site							⊡ No	Section:		
Are Vegetatio		G or Hydrology					e normal circun			Township:		
Are Vegetatio		□ or Hydrology					🗹 Yes	⊡No		Range:	Dir:	
SUMMARY OF FINDINGS												
Hydrophytic V	/egetation Pi	resent?	Yes		_			Hydric Soil	s Present?	Yes		
Wetland Hydrology Present?				Yes			Is This Sampling Poin					
										ass, water pl	antain, and fowl bluegrass make	
		rity of the vegetation	on. The area	has received	a high am	nount of p	precipitation in	recent week	(S.			
HYDROLOGY	1											
		cators (Check all	that apply; N	/linimum of or	ne primary	or two s	econdary requi	red):				
Primary:		N/-+		_		Ornet			Secondary:			
<ul> <li>A1 - Surface Water</li> <li>A2 - High Water Table</li> </ul>					B11 - Salt B13 - Aqua					B6 - Surface S B8 - Sparsely	Vegetated Concave Surface	
	A3 - Saturatio			Ē						B10 - Drainage		
	B1 - Water Ma			C2 - Dry Season Water Table						C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B2 - Sediment B3 - Drift Dep			□ C3 - Oxidized Rhizospheres on Living Roots (not till □ C4 - Presence of Reduced Iron □							Burrows n Visible on Aerial Imagery	
	B4 - Algal Mat			C4 - Presence of Reduced Iron						D2 - Geomorp		
	B5 - Iron Depo	osits			Other (Exp	olain)				D5 - FAC-Neu		
	B7 - Inundatio B9 - Water-St	n Visible on Aerial Ima	agery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Walei-Si	allieu Leaves										
Field Observ	ations:											
Surface Wate		Yes 🔄	Dept	'h' <b>4</b>	(in.)							
Water Table		Yes 🗹	Dept		(in.)			Wetland H	lydrology	Present?	Y	
Saturation Pro		Yes 🗹	Dept		(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Reco	orded Data (s	tream gauge monit	toring well a	erial photos pr	evious insr	pections)	if available:					
			-			-	, if available:					
		tream gauge, monit as up to 4 inches o	-			-	, if available:					
Remarks: SOILS	The ditch ha	as up to 4 inches o	f standing w	ater througho	ut the wet	and.						
Remarks: SOILS Profile Descrip	The ditch ha	as up to 4 inches o be to the depth ne	f standing w eded to doc	ater througho	ut the wetl	and. onfirm th	e absence of ir					
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Remarks: SOILS Profile Descrip	The ditch ha	as up to 4 inches o be to the depth ne etion, RM=Reduced Ma	f standing w eded to doc	ater througho	ut the wetl	and. onfirm th tion: PL=P	e absence of ir ore Lining, M=Matr					
Remarks: SOILS Profile Descrip (Type: C=Concen	The ditch ha	as up to 4 inches o be to the depth ne etion, RM=Reduced Ma Matrix	f standing w eded to doci	ater througho ument the indi ed/Coated Sand	ut the wetl cator or co Grains; Loca	and. onfirm th tion: PL=P Mottle	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks	
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: w-160n49w31-b1				
VEGETATIO		are non-native	species.)						
Tree Stratum (	(Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet				
1.		<u>/0 Cover</u>	Dominant	mu.otatus					
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.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp. 45 x 1 = 45				
	Total Cover	= 0			FACW spp. 30 x 2 = 60				
					FAC spp. 0 $x 3 = 0$				
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. <u>5</u> x 4 = <u>20</u>				
1.					UPL spp. 0 $x 5 = 0$				
2.									
3.					Total 80 (A) 125 (B)				
4.									
5.					Prevalence Index = B/A = 1.563				
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 ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
	Plot size: 5 ft. radius) Beckmannia syzigachne	25	Y	OBL	Problem Hydrophytic Vegetation (Explain) *				
1. 2.	Alisma triviale	25 15	Y	OBL	* Indicators of hydric soil and wetland hydrology must be				
3.	Poa palustris	15	Y	FACW	present, unless disturbed or problematic.				
	Phalaris arundinacea	10	N	FACW	Definitions of Vegetation Strata:				
5.	Typha angustifolia	5	N	OBL	Demittoris of Vegetation Ottata.				
6	Phleum pratense	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Agrostis gigantea	5	N	FACW	height (DBH), regardless of height.				
8.		0		171011					
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	= 80							
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? Y				
5.									
4.									
Domenter	Total Cover		and for t	bluesses	A minimum of other grooped are also present in the stict				
Remarks:	The ution is dominated by slough grass, Wa	ater plantain	, and towl	bluegrass	. A mixture of other grasses are also present in the ditch.				
Additional F	Kemarks:								