WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/30/14		
Applicant:		Enbridge								County:	Kittson		
Investigators	3:	EAB/RAJ			Subregio	n (MLRA	or LRR):	MLRA 56		State:	MN		
Soil Unit:	I132A	•			_		Classification:			1			
Landform:	Talf			_ 	cal Relief:			-		Sample Point	w-159n49w23-c1		
Slope (%):	0 - 2%		Latitude: 48.5		Longitude:		272	Datum		1			
		nditions on the site						□Yes	☑ No	Continu			
					ai: (ii iio, ex		normal circun			Section:			
Are Vegetati		☐ or Hydrology				Are			esent?	Township:			
Are Vegetati		☐ or Hydrology	∟ aturally pro	oblematic?			Yes	□No		Range:	Dir:		
SUMMARY (OF FINDING:	3											
Hydrophytic	Vegetation P	resent?	Yes					Hydric Soi	ils Present?	No No			
	drology Prese		No		_			Is This Sa	mplina Poir	nt Within A W	etland? No		
Remarks:	The sample	site is a cleared a		to a private o	rove of tre	es that is	s near a utility	station The	vegetation	is dominated	by Kentucky bluegrass, sow		
rtomanto.		reed canary grass						otation. The	vogotation	no dominatod	by Heritaerty Blaegrade, eew		
		reca cariary grass	. recent near	ry rains nave	uncolou ti	ic region	1.						
HYDROLOG	Υ												
Wetland Hy	drology Ind	icators (Check all	I that apply: M	inimum of or	ne primary	or two se	econdary requi	red):					
Primary					- 1 - 7		, , ,	/	Secondary:	:			
A1 - Surface Water					B11 - Salt (Crust				B6 - Surface S	Soil Cracks		
	A2 - High Wa	ter Table		☐ B13 - Aquatic Fauna ☐							☐ B8 - Sparsely Vegetated Concave Surface☐ B10 - Drainage Patterns		
	A3 - Saturatio												
	B1 - Water M	arks			C2 - Dry S						Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen						pheres on Living	Roots (not til		C8 - Crayfish E			
	B3 - Drift Dep				C4 - Prese						n Visible on Aerial Imagery		
	B4 - Algal Ma				C7 - Thin N		ace			D2 - Geomorp			
	B5 - Iron Dep			Ц	Other (Exp	lain)				D5 - FAC-Neu			
		on Visible on Aerial Im	nagery						ㅁ	D7 - Frost-Hea	aved Hummocks (LRR F)		
	B9 - Water-St	ained Leaves											
Field Obser	vations:												
Surface Wat	ter Present?	Yes	Depth	1:	(in.)			14/-41		D40	NI.		
Water Table	Present?	Yes \Box	Depth	1:	(in.)			wetland i	Hydrology	Present?	N		
Saturation P		Yes \square	Depth		(in.)								
Odtaration	TOSCITE:	163	Бери	·	_ ("".)								
Describe Rec	corded Data (s	stream gauge, moni	itoring well, ae	rial photos, pr	evious insp	ections),	if available:						
Describe Rec Remarks:		stream gauge, moni hydrology indicato			evious insp	ections),	if available:						
					evious insp	ections),	if available:						
					evious insp	ections),	if available:						
Remarks:	No wetland	hydrology indicato	ors were obse	rved.	·			ndicators.)					
Remarks: SOILS Profile Descr	No wetland		ors were obse	rved.	icator or co	onfirm the	e absence of ir						
Remarks: SOILS Profile Descr	No wetland	hydrology indicator	ors were obse	rved.	icator or co	onfirm the	e absence of ir						
Remarks: SOILS Profile Descr	No wetland	hydrology indicators ibe to the depth ne	ors were obse	rved.	icator or co	onfirm the	e absence of ir ore Lining, M=Matr						
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	ment the ind	icator or co Grains; Loca	onfirm the tion: PL=Pc	e absence of ir ore Lining, M=Matr	ix)	Toytura		Pomarko		
Remarks: SOILS Profile Descr (Type: C=Conce	No wetland	hydrology indicato ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	peeded to docu latrix, CS=Covere	rved.	icator or co Grains; Loca	onfirm the	e absence of ir ore Lining, M=Matr				Remarks		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-159n49w23-c1
/EGETATIO	N (Species identified in all uppersons as	non notivo	anasias)		
	N (Species identified in all uppercase are (Plot size: 30 ft. radius)	e non-native	species.)		
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (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: 66.7% (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. 31 x 2 = 62
					FAC spp. 40 X 3 = 120
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 45 x 4 = 180
1.					UPL spp. 0 x 5 = 0
2.					
3.					Total 116 (A) 362 (B)
4.					
5.					Prevalence Index = B/A = 3.121
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Poa pratensis	40	Y	FACU	
2.	Sonchus arvensis	40	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be
3.	Phalaris arundinacea	30	Y	FACW	present, unless disturbed or problematic.
4.	Lotus comiculatus	5	N	FACU	Definitions of Vegetation Strata:
5.	Symphyotrichum lanceolatum	1	N	FACW	_
6				_	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.				-	neight (DBH), regardless of height.
8.				-	Out I - Other I - Week plants less than 2 in DDI I recordless of height
9.				-	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.				-	
11.				-	Herb - All herbaceous (non-woody) plants, regardless of size.
12.				-	Hern - Air Herbaceous (Horr-woody) plants, regardless of size.
13.					
14.				_	Woody Vines - All woody vines, regardless of height.
15.	T.110	440			YVOODY VIIIES - All WOODY VIIIES, TEGETUIESS OF REIGHT.
	Total Cover =	116	_		
Moody Vino Ct	tratum (Plot size: 20 ft radius)				
1.	tratum (Plot size: 30 ft. radius)				
2.					
3.					Hydrophytic Vegetation Present? Y
5.					ilyurophytic vegetation Flesents
4.					
٦.	Total Cover =	0			
Remarks:	The wetland is sample site is dominated by a		edy speci	es includi	ing reed canary grass, sow thistle, and Kentucky bluegrass.
remarks.	The welland is sample site is dominated by a	a iiiix Oi We	cuy speci	co, moruul	ing rook banary grass, sow unique, and rentucky bluegrass.
A -1 -1141 =	Dama adam				
Additional F	Remarks:				