WETLAND DETERMINATION DATA FORM Great Plains Region

Drain at/Citat										Deter	00/07/4 4	
Project/Site:		L3R								Date:	09/27/14	
Applicant:		Enbridge								County:	Pennington	
Investigators	S:	NTT/BEH			Subregio	n (MLRA	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	I62A NWI Classification:											
Landform:	Rise Local Relief: VV									Sample Point	u-154n44w28-f2	
			10.40								. <u>d-13+11++w20-12</u>	
Slope (%):	8 - 15%		Latitude: 48.12					Datum:				
Are climatic/	hydrologic co	nditions on the sit	te typical for thi	s time of year	a r? (If no, exp	olain in rema	arks)	⊠ Yes	□ No	Section:		
Are Vegetati	on 🗆 Soil	□, or Hydrology	⊐significantly	disturbed?		Are	e normal circur	nstances pre	esent?	Township:		
Are Vegetation		□, or Hydrology	• •				☑ Yes	□ No		Range:	Dir:	
				bicinatio:			E 103			Range.		
SUMMARY C												
Hydrophytic `	Vegetation P	resent?	No		_			Hydric Soil	s Present?	No		
Wetland Hyd	drology Prese	nt?	No		_			Is This Sar	mpling Poin	t Within A W	/etland? No	
Remarks:			an open mear	low area ne	ar the edge	of a sm	nall aspen fore				brome and Canada thistle.	
rtemarto.			r an open meae		ar the edge				nan plants		bronne and Canada inisite.	
HYDROLOG	Y											
Wotland Hy	drology Indi	astars (Chook of	l that apply: Mi	nimum of or	o primory	or two o	ooondory roqui	rod).				
-	•••	cators (Check al	ii that apply, will	nimum of or	le primary	or two se	econdary requi	red):	A			
Primary						-			<u>Secondary:</u>			
	A1 - Surface \				B11 - Salt (B6 - Surface				
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface	
	A3 - Saturatio				C1 - Hydro					B10 - Drainag		
	B1 - Water Ma	arks			C2 - Dry Se					C3 - Oxidized	Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen	t Deposits			C3 - Oxidiz	ed Rhizos	spheres on Living	Roots (not till	€ □	C8 - Crayfish	Burrows	
	B3 - Drift Dep	osits					duced Iron	-		•	n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin N	/luck Surfa	ace			D2 - Geomor	U	
	B5 - Iron Dep				Other (Exp					D5 - FAC-Neu		
		n Visible on Aerial In	nagerv	_		· · · /					aved Hummocks (LRR F)	
	B9 - Water-St								—		()	
Field Obser	vations:											
Surface Wat	er Present?	Yes 🗆	Depth:		(in.)						N 1	
Water Table		Yes 🗆	Depth:		- (in.)			Wetland H	lydrology F	resent?	Ν	
			•								<u> </u>	
Saturation P	resent?	Yes 🗆	Depth:		_ (in.)							
Describe Rec	orded Data (s	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
			-	iai photos, pr	evious insp	ections),	, if available:					
Remarks:		hydrology indicate	-	iai photos, pr	evious insp	ections),	, if available:					
Remarks:			-	iai priotos, pr	evious insp	ections),	, if available:					
			-	lai priotos, pr	evious insp	pections),	, if available:					
Remarks: SOILS	No wetland		ors present.					ndicators.)				
Remarks: SOILS Profile Descri	No wetland	hydrology indicate	ors present. eeded to docun	nent the indi	cator or co	onfirm th	e absence of ir					
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Remarks: SOILS Profile Descri	No wetland	hydrology indicate be to the depth ne etion, RM=Reduced M	ors present. eeded to docun	nent the indi	cator or co	onfirm th tion: PL=P	e absence of ir ore Lining, M=Mat					
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix	ors present. eeded to docun Matrix, CS=Covered	nent the indi I/Coated Sand	cator or co Grains; Locat	onfirm th tion: PL=P Mottl	e absence of ir ore Lining, M=Mat	rix)				
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-154n44w28-f2				
VEGETATIO	N (Species identified in all uppercase are	e non-native	species.)						
Tree Stratum (Plot size: 30 ft. radius)								
	<u>Species Name</u>	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (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: <u>33.3%</u> (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp.0x1 =0FACW spp.0x2 =0				
	Total Cover =	0			FACW spp. 0 $x 2 = 0$				
	-				FAC spp. 15 X $3 = 45$				
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 25 $x 4 = 100$				
1.	Populus tremuloides	15	Y	FAC	UPL spp. 75 x 5 = 375				
2.				-					
3.					Total 115 (A) 520 (B)				
4.									
5.					Prevalence Index = $B/A = 4.522$				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					Dominance Test is > 50%				
10.	 Total Cover =	15			$\frac{1}{2} \text{ Prevalence Index is } 3.0 *$				
		10							
					Morphological Adaptations (Explain) *				
	Plot size: 5 ft. radius)	70	V		Problem Hydrophytic Vegetation (Explain) *				
1.	Bromus inermis	75			* Indiactors of budric soil and watland budrology must be				
2.	Poa pratensis	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
3.	Cirsium arvense	5	N	FACU					
4.					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.									
11.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	100							
	-								
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
	Total Cover =	0							
Remarks:			me and Ke	entucky bl	ue grass; aspen saplings are present along the fringe.				
Additional Remarks:									