WETLAND DETERMINATION DATA FORM Great Plains Region

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Project/Site:		L3R								Date:	10/04/14
Applicant:		Enbridge								County:	Polk
Investigators	s:	JLS/SAM		Subregion (MLRA or LRR): ML						State:	MN
Soil Unit:	712					•	Classification:			1	· · · · · · · · · · · · · · · · · · ·
Landform:	Rise				cal Relief:		Classification			Camarla Daint	4E0m40w24 h4
							000			Sample Point	u-150n40w24-h1
Slope (%):	0 - 2%		Latitude: 47		Longitude:			Datum:		_	
Are climatic/	hydrologic co	nditions on the site	e typical for	this time of ye	ar? (If no, exp	olain in rema	arks)	⊡Yes	□ No	Section:	
Are Vegetati	on 🖵 Soil	or Hydrology	□anificar	ntly disturbed?		Are	normal circun	nstances pr	esent?	Township:	
Are Vegetati		or Hydrology					Yes	□No .		Range:	Dir:
SUMMARY (L atarany	problematic:						range.	Dii.
Hydrophytic			No		_				Is Present?		
Wetland Hyd	drology Prese	nt?	No					Is This Sa	mpling Poir	nt Within A W	etland? No
Remarks:	The upland observed.	sample point is lo	cated on a	slight rise withi	n an open	pasture.	Soils contain r	elict hydric	features; ho	owever, no ot	her wetland indicators were
HYDROLOG											
Wetlend III	المصامين المصا	leetene (Cheek all	l that amply	Minimorum							
		icators (Check all	i that apply;	Minimum of or	ie primary	or two se	econdary requi	rea):			
Primary		A/=+==			D44 C-#	O			Secondary:		Neil Consta
☐ A1 - Surface Water ☐ B11 - Salt Crust										B6 - Surface S	
	A2 - High Wa										Vegetated Concave Surface
	A3 - Saturatio B1 - Water Ma									B10 - Drainag	
	B2 - Sedimen					Dry Season Water Table ☐ C3 - Oxidized Rhizospheres on Oxidized Rhizospheres on Living Roots (not tille ☐ C8 - Crayfish Burrows					
	B3 - Drift Dep				C4 - Prese			Roots (not til			n Visible on Aerial Imagery
l H	B4 - Algal Ma									D2 - Geomorp	
1					Other (Exp		ace			D5 - FAC-Neu	
	B5 - Iron Dep				Other (Exp	iain)					
	B9 - Water-St	n Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR F)
	D9 - Waler-Si	allieu Leaves									
Field Obser	vations:										
Surface Wat	er Present?	Yes	Dei	pth:	(in.)						
Water Table	_	Yes 🗆		pth:	_ ` ′			Wetland F	-lydrology	Present?	N
											_
Saturation Present? Yes Depth: (in.)											
Gaturation	1000111.		- 1		_ ()						
		tream gauge, moni			- ' '	ections),	if available:				
Describe Rec	orded Data (s	tream gauge, moni	itoring well, a	aerial photos, p	evious insp		if available:				
	orded Data (s		itoring well, a	aerial photos, p	evious insp		if available:				
Describe Rec Remarks:	orded Data (s	tream gauge, moni	itoring well, a	aerial photos, p	evious insp		if available:				
Describe Rec Remarks:	orded Data (s	stream gauge, moni or secondary indic	itoring well, a	aerial photos, pi	revious insp y were obs	erved.		adia atawa \			
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n40w24-h1					
					•					
VEGETATION (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 30 ft. radius)										
Tiee Stratum (Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	<u>Species Name</u>	76 COVEL	Dominant	IIIu.Status	Dominance rest Worksheet					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)					
3.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)					
					Total Number of Descinant Openin Assess All Obstance (D)					
4.					Total Number of Dominant Species Across All Strata: 2 (B)					
5.										
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (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. 0 x 2 = 0					
	-		_		FAC spp. 0 x 3 = 0					
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 65 x 4 = 260					
1.					UPL spp. 51 x 5 = 255					
2.	_				··· 					
3.					Total 116 (A) 515 (B)					
4.	1				. 5.66 (1)					
5.					Prevalence Index = B/A = 4.440					
					Prevalence index = b/A = 4.440					
6.	_									
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Bromus inermis	50	Υ	UPL						
2.	Tanacetum vulgare	25	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be					
3.	Elymus repens	20	N	FACU	present, unless disturbed or problematic.					
4.	Poa pratensis	10	N	FACU	Definitions of Vegetation Strata:					
5.	Cirsium arvense	5	N	FACU						
6	Solidago canadensis	5	N	FACU	Tree					
7.	Carduus acanthoides	1	N	NI	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
	Carduus acantriordes	ı ı	IN	INI	, , , , , , , , , , , , , , , , , , , ,					
8.					Carling (Charle Woody plants loss than 2 in DRH regardless of height					
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 =	116								
	_		_							
Woody Vine Str	atum (Plot size: 30 ft. radius)									
1.	() () () () () () () () () ()									
2.				_						
3.					Hydrophytic Vegetation Present? N					
					Tryurophytic vegetation Flesents 14					
5.				_						
4.	T	^		_						
Damartir	Total Cover =	0		and an extent	mus and Mantively, blue gross are also some					
Remarks: The site is dominated by smooth brome and common tansy. Creeping wild rye and Kentucky bluegrass are also common.										
Additional Remarks:										
1										
1										