WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/04/14		
Applicant: Enbridge										County:	Polk		
Investigators: BJC/RAJ				Subregion (MLRA or LRR): MLRA 56						State:	MN		
Soil Unit:	1264			NWI Classification:						-			
Landform:	Footslope				ocal Relief:			_		Sample Point:	u-150n40w23-b1		
Slope (%):	3 - 7%		Latitude: 47.8			-95.736498		Datum:					
		nditions on the site							□ No	Section:			
Are Vegetati		, or Hydrology				Are no		istances pre	esent?	Township:			
Are Vegetati		🖵 or Hydrology	☐ turally pr	oblematic?			⊡ Yes	□No		Range:	Dir:		
SUMMARY (
Hydrophytic	-		No	No No			Hydric Soils Present?						
							Is This Sampling Point Within A Wetland? No						
Remarks:	The upland	sample point is loo	cated in a me	esic forest do	minated by	green ash a	and Americ	an elm.					
HYDROLOG	Y												
Wetland Hy	drology Ind	icators (Check all	that apply; N	linimum of o	ne primary	or two secor	ndary requi	red):					
Primary	<u>:</u>								Secondary:				
	A1 - Surface				B11 - Salt (Ū.			B6 - Surface S			
	A2 - High Wa A3 - Saturatio				B13 - Aqua	atic Fauna gen Sulfide Oo					Vegetated Concave Surface		
	B1 - Water M					eason Water T					Rhizospheres on Living Roots (till		
	B2 - Sedimen				C3 - Oxidiz	ed Rhizosphe	res on Living	Roots (not till					
	B3 - Drift Dep				C4 - Prese	nce of Reduce	ed Iron				Visible on Aerial Imagery		
	B4 - Algal Ma					/uck Surface							
	B5 - Iron Dep	osits in Visible on Aerial Im	0000		Other (Exp	lain)				D5 - FAC-Neu	tral Test wed Hummocks (LRR F)		
	B9 - Water-St		lagery							D7 - FIOSI-Hea	ived Hummocks (LRR F)		
	20 11410. 01												
Field Obser	vations:												
	er Present?	Yes 🛛	Dent	:h:	(in.)								
		_			(in.)			Wetland H	ydrology	Present?	N		
vvater lable Present? Yes D Depth: (in.)											—		
Saturation P	Saturation Present? Yes Depth: (in.)												
					,								
Describe Rec	orded Data (s	stream gauge, moni	itoring well, a	erial photos, p	,	pections), if a	vailable:						
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Describe Rec Remarks:	orded Data (s	stream gauge, moni	itoring well, a	erial photos, p	,	pections), if a	vailable:						
Describe Rec Remarks: SOILS	orded Data (s No indicator	stream gauge, moni	itoring well, ae	erial photos, p <mark>oserved</mark> .	revious insp			adicators)					
Describe Rec Remarks: SOILS Profile Descri	orded Data (s No indicator iption (Descri	stream gauge, moni rs of wetland hydro be to the depth ne	toring well, as blogy were of eded to docu	erial photos, p pserved. ument the ind	revious insp	onfirm the at	osence of in						
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Describe Rec Remarks: SOILS Profile Descri (Type: C=Conce Depth (In.)	orded Data (s No indicator iption (Descri ntration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu atrix, CS=Cover	ument the inded/Coated Sand	icator or cc Grains; Locat	onfirm the ab tion: PL=Pore L Mottles	osence of in ining, M=Matr	ix)	Texture		Remarks		
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Describe Rec Remarks: SOILS Profile Descri (Type: C=Conce Depth (In.)	orded Data (s No indicator iption (Descri ntration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	toring well, ac blogy were ob eeded to docu atrix, CS=Cover	ument the ind ed/Coated Sand	icator or cc Grains; Locat	onfirm the ab tion: PL=Pore L Mottles	osence of in ining, M=Matr	ix)	L		Remarks		
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Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18	iption (Descrintration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/3	itoring well, ae blogy were ob eeded to docu atrix, CS=Coven % 100 100	Color	(Moist)	Mottles	osence of in ining, M=Matr	ix)	L		Remarks		
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18	iption (Descrintration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/3	itoring well, ae blogy were ob eeded to docu atrix, CS=Coven % 100 100	ument the ind ed/Coated Sand	(Moist)	Mottles	osence of in ining, M=Matr	ix)	L S				
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	: L3R				Sample Point: u-150n40w23-b1					
VEGETATIO	N (Species identified in all uppercase and (Plot size: 30 ft. radius)	e non-native	species.)							
Thee Stratum	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	Ulmus americana	45	Y	FAC						
2.	Fraxinus pennsylvanica	25	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)					
3.		-			()					
4.					Total Number of Dominant Species Across All Strata: 7 (B)					
5.					·(/					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 28.6% (A/B)					
7.					() ,					
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.					OBL spp. 0 x 1 = 0					
	 Total Cover =	70			FACW spp. 0 x 2 = 0					
			_		FAC spp. 75 x 3 = 225					
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 115 x 4 = 460					
1.	Rhamnus cathartica	35	Y	FACU	UPL spp. 0 x 5 = 0					
2.	Prunus virginiana	15	Y	FACU						
3.					Total <u>190</u> (A) <u>685</u> (B)					
4.			· · · · · ·							
5.					Prevalence Index = B/A = <u>3.605</u>					
6.			· · · · · ·							
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	50			Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum ((Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Solidago canadensis	20	Y	FACU						
2.	Carex sprengelii	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be					
3.	Arctium minus	15	Y	FACU	present, unless disturbed or problematic.					
4.	Rubus idaeus	10	N	FACU	Definitions of Vegetation Strata:					
5.	Solidago gigantea	5	N	FAC						
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 =	70	_							
	tratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.	THE	^		_						
Domerica	Total Cover =	0	144	aubasas	u demineted by buskthern and shekeeberry. Canada askidanted. Once the sector					
Remarks:			eini with a	subcanop	y dominated by buckthorn and chokecherry. Canada goldenrod, Sprengle's sedge					
and burdock dominate the herbaceous stratum.										
Additional Remarks:										