WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/29/14	
Applicant:		Enbridge								County:	Marshall	
Investigators		RAJ/BEH			_Subregio	•	۱ or LRR):	MLRA 56		State:	MN	
Soil Unit:	I111A			_			I Classification:					
Landform:	Talf		10.1		ocal Relief:					Sample Point:	<u>u-157n47w16-j1</u>	
Slope (%):	0 - 2%	. P.C	Latitude: 48.4		Longitude:			<u>Datum:</u>				
		nditions on the site			ar? (If no, exp	ī			□ No	Pr0tected002		
Are Vegetati		☑, or Hydrology	•			Are	e normal circum	•	esent?	Township:		
Are Vegetati		□, or Hydrology	□aturally pro	oblematic?			□ Yes	☑ No		Range:	Dir:	
SUMMARY (
Hydrophytic	_		No		_			Hydric Soil			(I IO NI-	
	drology Prese		No	. I. I. K. I I P.		11 1	110			nt Within A W		Part de la la
Remarks:		•	r a soybean fi	ela. No indic	ators of we	etiand co	nditions are pre	esent. Soils	s are distur	bed from tillag	ge. The vegetation is	disturbed
	from herbic	ide use.										
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	I that apply; M	inimum of oi	ne primary	or two s	econdary requi	red):				
<u>Primary</u>	_								Secondary			
	A1 - Surface				B11 - Salt					B6 - Surface S		
	A2 - High Wa A3 - Saturation				B13 - Aqua						Vegetated Concave Surfa	ace
	B1 - Water M				C1 - Hydro C2 - Dry S					B10 - Drainage	e Patterns Rhizospheres on Living F	Roots (tilled)
	B2 - Sedimen						spheres on Living	Roots (not tille	€ □	C8 - Crayfish E		(tilled)
	B3 - Drift Dep	•					educed Iron	(•	n Visible on Aerial Imager	ry
	B4 - Algal Ma				C7 - Thin N		ace			D2 - Geomorp		
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu		
		on Visible on Aerial Im tained Leaves	nagery							D7 - Frost-Hea	aved Hummocks (LRR F)	1
	b9 - Waler-S	lailleu Leaves										
Field Obser	vations:											
		Vaa = □	Donath		(in)							
Surface Wat		Yes	Depth		_ (in.) _ (in.)			Wetland H	lydrology	Present?	N	
Water Table		Yes \square	Depth		_ (in.) _ (in.)							
Saturation Present? Yes Depth: (in.)												
			<u> </u>									
	orded Data (s	stream gauge, moni	<u> </u>			ections),	, if available:					
	•		itoring well, ae	rial photos, p		ections),	, if available:					
Describe Rec Remarks:	•	stream gauge, moni	itoring well, ae	rial photos, p		ections),	if available:					
Describe Rec Remarks:	No indicato	stream gauge, moni	itoring well, ae ology are pres	rial photos, p	evious insp							
Describe Rec Remarks: SOILS Profile Descr	No indicato	stream gauge, moning of wetland hydronic of wetland hydronic of the depth ne	itoring well, ae ology are pres	rial photos, poent.	revious insp	onfirm th	e absence of in					
Describe Rec Remarks: SOILS Profile Descr	No indicato	stream gauge, moni	itoring well, ae ology are pres	rial photos, poent.	revious insp	onfirm th	e absence of in					
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Describe Rec Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.)	No indicato	stream gauge, moning of wetland hydrous of wetland hydrous of the depth neetion, RM=Reduced Matrix Color (Moist)	itoring well, ae ology are presented to docustrix, CS=Coveres %	ment the ind	revious insp icator or co Grains; Loca	onfirm th tion: PL=P Mottl	e absence of in ore Lining, M=Matr	ix)	Texture CL	with a very small		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-157n47w16-j1		
					•		
VEGETATIO	N (Species identified in all uppercase	are non-native	species.)				
Tree Stratum ((Plot size: 30 ft. radius)						
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet		
1.							
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)		
3.							
4.					Total Number of Dominant Species Across All Strata:(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.		<u> </u>			OBL spp 0		
	Total Cover	= 0	_		FACW spp		
					OBL spp. 0 $x = 0$ FACW spp. 0 $x = 0$ FAC spp. 0 $x = 0$ $x = 0$ $x = 0$		
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 29 $X 4 = 116$		
1.					UPL spp 50		
2.		<u> </u>					
3.					Total(A)(B)		
4.							
5.					Prevalence Index = B/A = 4.633		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.		7			Dominance Test is > 50%		
	Total Cover	= 0			Prevalence Index is ≤ 3.0 *		
			_		Morphological Adaptations (Explain) *		
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Glycine max	50	Υ	NI			
2.	Amaranthus retroflexus	20	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be		
3.	Chenopodium album	5	 N	FACU	present, unless disturbed or problematic.		
4.	Taraxacum officinale	2	N	FACU	Definitions of Vegetation Strata:		
5.	Setaria pumila	2	N	FACU			
6	- Cotaina pairina	<u> </u>		17100	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast		
7.		1			height (DBH), regardless of height.		
8.		H					
9.	<u> </u>	1			Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.		
10.					Supmig/Sinus		
11.		H					
12.	<u> </u>	# The state of the			Herb - All herbaceous (non-woody) plants, regardless of size.		
13.	<u></u>	1			rierb - 7 in Horbacocas (Hori Woody) plants, regardoss of 6/25.		
14.	<u> </u>				Woody Vines - All woody vines, regardless of height.		
15.	Tatal Oassa	70			Woody Vines - All Woody Vines, Tegardiess of Height.		
	Total Cover	= 79	_				
Woody Vine St	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present?N		
5.							
4.							
	Total Cover						
Remarks:	An upland community at the edge of a culti present.	vated field p	lanted to s	soybeans.	The vegetation is disturbed from herbicide use. Hydrophytic vegetation is not		
Additional Remarks:							