WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/24/14
Applicant:		Enbridge								County:	Marshall
Investigators		BCS/BEH			Subregio	•	\ or LRR):	MLRA 56		State:	MN
Soil Unit:	I15A						I Classification:	:			
Landform:	Side slope		40.4		Local Relief		1 10000			Sample Point:	u-156n46w33-b1
Slope (%):	0 - 2%	. P.C	Latitude: 48.2			-96.566		<u>Datum:</u>			
		nditions on the sit							□ No	Section:	
Are Vegetation		□, or Hydrology	•	•		Are	e normal circum	•	esent?	Township:	
Are Vegetation		□, or Hydrology	□aturally p	obiematic?			Yes	□ No		Range:	Dir:
SUMMARY C			M					Lludria Cail	la Duana (14)	Na	
Hydrophytic \	_		No No		<u></u>				s Present?		otland? No
Wetland Hyd			No No	- 4:11 - d	outumal field			is this Sar	npling Poin	nt Within A W	etland? No
Remarks:	rne upiana	sample point is lo	cated within	a tilled agric	cultural field	pianted t	o soybeans.				
LIVERGLOO	V										
HYDROLOG	Y										
_	•	icators (Check all	I that apply; N	/linimum of	one primary	or two s	econdary requii	red):			
Primary:	-				_ 544 64	•			Secondary:		
	A1 - Surface V A2 - High Wa				 □ B11 - Salt □ B13 - Aqua 					B6 - Surface S	
	A3 - Saturatio				□ C1 - Hydro					B10 - Orainage	Vegetated Concave Surface
	B1 - Water M				□ C2 - Dry S						Rhizospheres on Living Roots (tille
	B2 - Sedimen	t Deposits			□ C3 - Oxidi:	zed Rhizos	spheres on Living	Roots (not till	€ □	C8 - Crayfish E	Burrows
	B3 - Drift Dep						educed Iron				Nisible on Aerial Imagery
	B4 - Algal Ma B5 - Iron Dep				□ C7 - Thin I		ace			D2 - Geomorp D5 - FAC-Neu	
		อรแร n Visible on Aerial Im	nagery		□ Other (Exp	Diairi)					aved Hummocks (LRR F)
	B9 - Water-St		ago.y						_	27 110011100	avea riammeene (2)
Field Observ	vations:										
Surface Wate	er Present?	Yes □	Dep	:h:	(in.)			\A/a4 a-a-a		D	N I
Water Table	Present?	Yes □	Dep	:h:	(in.)			wetiand F	lydrology l	Present?	N
Saturation Pr	resent?	Yes □	Dep	:h:	(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Describe Rec	orded Data (s	stream gauge mon	<u> </u>			pections)	if available.				
			nitoring well, a	erial photos,	previous insp	,	, if available:				
Describe Rec		stream gauge, mon or secondary wetl	nitoring well, a	erial photos,	previous insp	,	if available:				
Remarks:			nitoring well, a	erial photos,	previous insp	,	, if available:				
Remarks:	No primary	or secondary wetl	nitoring well, a	erial photos, y indicators	previous insp are present			ndicators.)			
Remarks: SOILS Profile Descri	No primary		nitoring well, a	erial photos, y indicators ument the ir	previous insp are present	onfirm th	e absence of in				
Remarks: SOILS Profile Descri	No primary	or secondary wetle be to the depth ne etion, RM=Reduced M	nitoring well, a	erial photos, y indicators ument the ir	previous insp are present	onfirm th	e absence of in ore Lining, M=Matr				
Remarks: SOILS Profile Descri	No primary	or secondary wetle be to the depth ne etion, RM=Reduced M	nitoring well, adland hydrolog eeded to doctatrix, CS=Cover	y indicators ument the ired/Coated Sai	previous insp are present ndicator or cond Grains; Loca	onfirm thation: PL=P	e absence of in ore Lining, M=Matr	ix)			
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	: L3R				Sample Point: u-156n46w33-b1
VEGETATIO	、 .	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: 2 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp 0
	Total Cover =	0			OBL spp. 0
					FAC spp. $0 x 3 = 0$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 15 $x 4 = 60$
1.					UPL spp. $\frac{27}{}$ $x = 5 = \frac{135}{}$
2.					
3.					Total 42 (A) 195 (B)
4.					
5.					Prevalence Index = B/A = 4.643
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 ((Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Glycine max	25	Υ	NI	TTODISMTTY and physical Vogetation (Explain)
2.	Setaria pumila	15	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Triticum aestivum	2	 N	NI	present, unless disturbed or problematic.
4.	Thirdin destrum			- 111	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.					Sapinig/Siliub - Weedy Plante less than 8 m. BBH, Tegaraless of Height.
				<u> </u>	
11.					Herb - All herbaceous (non-woody) plants, regardless of size.
12.					Telb - All herbaceous (hon-woody) plants, regardless of size.
13.					
14.					Manada Wanga All woody vinos regardless of beight
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover = _	42			
	tratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?N
5.					
4.					
	Total Cover =	0			
Remarks:	The sample point is located in a tilled soybea	n field; a l	arge comp	onent of y	yellow foxtail is also present.
Additional F	Remarks:				