WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/25/14	
Applicant:		Enbridge			_					County:	Marshall	
Investigators		EAB/NTT/KRG			_Subregior	•	,	MLRA 56		State:	MN	
Soil Unit:	I133A			NWI Classification:						_	450 40 0 4	
Landform:	Depression		40.50		cal Relief:		504			Sample Point:	w-158n48w9-c1	
Slope (%):	0 - 2%		ude: 48.523		Longitude:			Datum:	n Na			
		nditions on the site typ			ar? (If no, exp	1			☑ No	Section:		
Are Vegetati	•	☑, or Hydrology ☑sig	,			Are	normal circum	-	esent?	Township:	Dim	
Are Vegetati	OF FINDINGS		urally prob	Diemalic?			Yes	□ No		Range:	Dir:	
	Vegetation Pr		Voo					Hydric Soil	c Procont?	Voc		
	drology Prese		Yes Yes		-					t Within A We	etland? Yes	
Remarks:				cattails and	guackgrag	se and lo					ed soybean field that drains into	
Remarks.	the wetland.		illiated by	cattaiis and	quackgras	ss and io	cated in a road	side diteri. I	t iles aujaci	ent to a plante	sa soybean nela triat diams inte	
HYDROLOG												
_	•	cators (Check all that	apply; Mir	nimum of on	e primary	or two se	econdary requir	ed):	0 1			
<u>Primary</u>		Motor			B11 - Salt (Cruct			Secondary:	B6 - Surface So	oil Crooks	
	☑ A1 - Surface Water☐ A2 - High Water Table											
☑	A3 - Saturatio			□ B13 - Aquatic Fauna□ C1 - Hydrogen Sulfide Odor□ □ □						B8 - Sparsely Vegetated Concave SurfaceB10 - Drainage Patterns		
	B1 - Water Ma	arks			C2 - Dry Se	eason Wa	ter Table			C3 - Oxidized F	Rhizospheres on Living Roots (tilled)	
	B2 - Sediment	•					pheres on Living I	Roots (not tille		C8 - Crayfish B		
	B3 - Drift Depo				C4 - Preser C7 - Thin M						Visible on Aerial Imagery	
	B4 - Algal Mat B5 - Iron Depo				Other (Expl		ice			D2 - Geomorph D5 - FAC-Neut		
	•	n Visible on Aerial Imagery	/		Other (Exp	iairi)					ved Hummocks (LRR F)	
	B9 - Water-St	.									,	
Field Obser	vations:											
Surface Wat	ter Present?	Yes ☑	Depth:	7	(in.)			Watland U	vdrology [Dracant?	V	
Water Table	Present?	Yes □	Depth:		(in.)			Wetland H	yarology i	resent?	Y 	
Saturation P	resent?	Yes ☑	Depth:	0	(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Rec	corded Data (s				` ` ′	ections).	if available:					
	<u> </u>	tream gauge, monitoring	g well, aeria	al photos, pre	evious insp			ter table de	nth is unkn	own because	soils could not be sampled du	
Describe Rec Remarks:	Recent rains	tream gauge, monitoring influenced saturation	g well, aeria and surfa	al photos, pro	evious insp			ter table de	pth is unkn	own, because	soils could not be sampled du	
Remarks:	Recent rains	tream gauge, monitoring	g well, aeria and surfa	al photos, pro	evious insp			ter table de	pth is unkn	own, because	soils could not be sampled du	
Remarks:	Recent rains to potential	tream gauge, monitoring influenced saturation	g well, aeric and surfa e roadside	al photos, proce water de ditch.	evious insp	time of	survey. The wa		pth is unkn	own, because	soils could not be sampled du	
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R	-			Sample Point: w-158n48w9-c1
					•
VEGETATIO	N (Species identified in all uppercase ar	e 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:1(A)
3.					
4.					Total Number of Dominant Species Across All Strata:(B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp40
	Total Cover =	0	FACW spp. $\underline{\qquad}$ \times 2 = $\underline{\qquad}$ $\underline{\qquad}$		
					Total % Cover of: Multiply by: OBL spp. 40 x 1 = 40 FACW spp. 0 x 2 = 0 FAC spp. 5 x 3 = 15 FACU spp. 20 x 4 = 80 UPL spp. 0 x 5 = 0
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp x $4 = 80$
1.					UPL spp 0
2.					
3.					Total 65 (A) 135 (B)
4.					
5.					Prevalence Index = B/A = 2.077
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
	Total Cover =	0			X Prevalence Index is ≤ 3.0 *
			_		Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Typha X glauca	40	Υ	OBL	
2.	Elymus repens	15	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Cirsium arvense	5	N	FACU	present, unless disturbed or problematic.
4.	Solidago gigantea	5	N	FAC	Definitions of Vegetation Strata:
5.	5 50				
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.					TICID
14.					
15.					Woody Vines - All woody vines, regardless of height.
15.	Total Cause				VVOOdy Villes - All Woody Villes, Tegardiess of Height.
	Total Cover =	65	_		
11/ 1 1/ 0/					
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					H. Josef d'a Vandad'a a Bassa (10)
3.					Hydrophytic Vegetation Present?Y
5.					
4.	T				
	Total Cover =				
Remarks:	The vegetation is dominated by cattails, with	some weed	dy upland	species c	reeping in.
Additional R	Remarks:				
Ī					