WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant: Investigators Soil Unit: Landform:	ant: Enbridge gators: BEH/RAJ nit: I55A			- Lc	_Subregio	NW	A or LRR): I Classification:	MLRA 56		Date:08/21/14County:MarshallState:MNSample Point:u-156n46w21-f1	
Slope (%):	0 - 2%			179036	Longitude:			Datum:			
		nditions on the site typica			ar? (If no, exp	1		☑ Yes		Section:	
Are Vegetation	•	I □, or Hydrology □signif I □, or Hydrology □atura				Are	e normal circum ☑ Yes	nstances pre	esent?	Township: Range: Dir:	
SUMMARY C			any pro				⊠ Yes			Range: Dir:	
Hydrophytic V			No					Hvdric Soi	Is Present?	No	
Wetland Hyd	-		No		_					t Within A Wetland? No	
Remarks:		sample point is located in	a tilleo	d field with n	ninimal veç	getative	cover.				
HYDROLOG Wetland Hy Primary:	drology Ind	icators (Check all that ap	ply; Mi	nimum of or	ne primary	or two s	econdary requir	red):	Secondary:		
Image: Printically, Constraints A1 - Surface Water B1 - Sulf Crust B6 - Surface Soil Cracks A2 - High Water Table B13 - Aquatic Fauna B6 - Surface Soil Cracks A3 - Saturation C1 - Hydrogen Sulfide Odor B10 - Drainage Patterns B1 - Water Marks C2 - Dry Season Water Table C3 - Oxidized Rhizospheres on Living Roots (not tilk B2 - Sediment Deposits C3 - Oxidized Rhizospheres on Living Roots (not tilk C8 - Crayfish Burrows B3 - Drift Deposits C4 - Presence of Reduced Iron C9 - Saturation Visible on Aerial Imagery B5 - Iron Deposits Other (Explain) D2 - Geomorphic Position B7 - Inundation Visible on Aerial Imagery Other (Explain) D5 - FAC-Neutral Test B9 - Water-Stained Leaves B9 - Water-Stained Leaves Face Algen Reaves									ng Roots (tilled) agery		
Field Observ Surface Wate Water Table Saturation Pr	er Present? Present? resent?	Yes D Yes D	Depth:		_ (in.) _ (in.) _ (in.)	(actions)	if available:	Wetland H	lydrology I	Present? N	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: No primary or secondary hydrological indicators were observed.											
SOILS											
		ibe to the depth needed to etion, RM=Reduced Matrix, CS=									
			0010100								
_		Matrix				Mottl	es				
Depth (In.)		Color (Moist)	%	Color (Moist)	%	Туре	Location	Texture	Remarks	
0-11	Hue_10YR		100						FSL		
11-16	Hue_10YR		100						FS		
16-21	Hue_10YR	4/3	100						FS		
NRCS Hydr	ic Soil Field	Indicators (check her	e if ind	licators are	not presen	t):	☑		Indicators f	or Problematic Soils ¹	
	A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm N	stic n Sulfide I Layers (LRR F) ck (LRR FGH) ed Below Dark Surface Dark Surface lucky Mineral /lucky Peat or Peat (LRR G, H cky Peat or Peat (LRR F)					 A9 - 1 cm Muck (LRR I, J) A16 - Coast Prairie Redox (LRR F, G, H) S7 - Dark Surface (LRR G) F16 - High Plains Depressions (LRR H, outside MLRA 72, 73) F18 - Reduced Vertic TF2 - Red Parent Material TF12 - Very Shallow Dark Surface Other (Explain in Remarks) 				
Restrictive Layer Type:				Depth			Hydric Soil Present? N				
Remarks:	Soil is dark	fine sandy loam underlair) lavers of fi	ne sand T	he profil				TORS.	
			. ~y (vv(

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Project/Site:	: L3R			Sample Point: u-156n46w21-f1	
/EGETATIO	N (Species identified in all uppercase are (Plot size: 30 ft. radius)	e non-native species	5.)		
The Stratum	<u>Species Name</u>	<u>% Cover</u> Domina	ant Ind.Status	Dominance Test Worksheet	
1.		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	<u></u>		
2.				Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)	
3.					
4.				Total Number of Dominant Species Across All Strata: 1 (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		OBL spp. 0 x 1 = 0 FACW spp. 0 x 2 = 0 FAC spp. 0 x 3 = 0 FACU spp. 1 x 4 = 4 UPL spp. 0 x 5 = 0	
				FAC spp. 0 $x 3 = 0$	
	Stratum (Plot size: 15 ft. radius)			FACU spp. 1 $x 4 = 4$	
1.				UPL spp. 0 $x 5 = 0$	
2.					
3.				Total(A)4 (B)	
4.					
5.	-			Prevalence Index = B/A = 4.000	
6.					
7.					
<u> </u>				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation	
<u> </u>				Dominance Test is > 50%	
10.	 Total Cover =	0		$\underline{\qquad} \qquad \underline{\qquad} \qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad \underline{\qquad} \qquad} \qquad \underline{\qquad} \qquad} \qquad \underline{\qquad} \qquad} \qquad \qquad \underline{\qquad} \qquad} \qquad \qquad} \qquad$	
Horb Stratum ((Plot size: 5 ft. radius)			Morphological Adaptations (Explain) *	
1.	Amaranthus retroflexus	1	/ FACU	Problem Hydrophytic Vegetation (Explain) *	
2.		· ·	17,000	* Indicators of hydric soil and wetland hydrology must be	
3.				present, unless disturbed or problematic.	
4.				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.					
11.					
12.				Herb - All herbaceous (non-woody) plants, regardless of size.	
13.					
14.					
15.				Woody Vines - All woody vines, regardless of height.	
	Total Cover =	1			
Woody Vine St	tratum (Plot size: 30 ft. radius)				
1.				-	
2.					
<u>3.</u>				Hydrophytic Vegetation Present? N	
5.					
4.	Total Cover =	0			
Remarks:	The sample site contains one redroot pigwee	-			
Remarks.	The sample site contains one redioor pigwee	u muiviuuai.			
Additional F	Romarks				