WETLAND DETERMINATION DATA FORM Great Plains Region

Are climatic/hydrologic conditions on the site typical				NWI Classification: Local Relief: CC 48.15286622 Longitude: -96.35369936 Or this time of year? (If no, explain in remarks) ☑ Ye				Datum: ☑ Yes	□ No		08/25/14 Pennington MN t: w-154n44w18-h1
Are Vegetation			•	ficantly disturbed? Are normal ally problematic?					55611 (Township: Range:	Dir:
Are Vegetation ☑ Yes □ No Range: Dir: SUMMARY OF FINDINGS ☑ Yes □ No No No No									511.		
Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes											
Wetland Hyd	-		Yes		-					nt Within A W	/etland? Yes
		d is a seasonally-flo	oded basin w	ithin a soybe	ean field. T	The site i	s dominated b				
HYDROLOGY											
Wetland Hy	drology Ind	icators (Check all	that apply; Mir	nimum of on	e primary	or two se	econdary requi	ired):			
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required): Secondary: Primary: A1 - Surface Water B11 - Salt Crust B6 - Surface Soil Cracks A2 - High Water Table B13 - Aquatic Fauna B8 - Sparsely Vegetated Concave Surface A3 - Saturation C1 - Hydrogen Sulfide Odor B10 - Drainage Patterns B1 - Water Marks C2 - Dry Season Water Table C3 - Oxidized Rhizospheres on Living Roots (not tillk B2 - Sediment Deposits C3 - Oxidized Rhizospheres on Living Roots (not tillk C8 - Crayfish Burrows B3 - Drift Deposits C4 - Presence of Reduced Iron C9 - Saturation Visible on Aerial Imagery B4 - Algal Mat or Crust Other (Explain) D5 - FAC-Neutral Test B7 - Inundation Visible on Aerial Imagery D7 - Frost-Heaved Hummocks (LRR F) B9 - Water-Stained Leaves B9 - Water-Stained Leaves								Vegetated Concave Surface ge Patterns Rhizospheres on Living Roots (tilled) Burrows on Visible on Aerial Imagery ohic Position utral Test			
Field Observations: Surface Water Present? Yes Depth: (in.) Water Table Present? Yes Depth: (in.) Water Table Present? Yes Depth: (in.) Saturation Present? Yes Depth: (in.)							Y				
Describe Reco	orded Data (s	stream gauge, moni	oring well, aeri	al photos, pre	evious insp	ections),	if available:				
Remarks: The depression is an area that would collect water, and the vegetation passes the FAC-Neutral test.											
SOILS Droffle Decert	ntion (Descri	bo to the death is a		opt the last		ofines 11-	a abaanaa af ii	adjactors \			
		be to the depth ne									
(Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix)											
Matrix				Mottles							
Depth (In.)		Color (Moist)	%	Color (I	Moist)	%	Туре	Location	Texture		Remarks
0-13	Hue_10YR	2/1	100						MMI		
13-21	Gley1	3/N	100						С		

NPCS Hydric Soil Field Indicators (check here if indicators are not present).

NRCS Hydri	ic Soil Field Indicators (check here i	if indicators are not present):		
_				Indicators for Problematic Soils ¹
	A1- Histosol	S5 - Sandy Redox		A9 - 1 cm Muck (LRR I, J)
	A2 - Histic Epipedon	S6 - Stripped Matrix		A16 - Coast Prairie Redox (LRR F, G, H)
	A3 - Black Histic	F1 - Loamy Mucky Mineral		S7 - Dark Surface (LRR G)
	A4 - Hydrogen Sulfide	F2 - Loamy Gleyed Matrix		F16 - High Plains Depressions (LRR H, outside MLRA 72, 73)
	A5 - Stratified Layers (LRR F)	□ F3 - Depleted Matrix		F18 - Reduced Vertic
	A9 - 1 cm Muck (LRR FGH)	F6 - Redox Dark Surface		TF2 - Red Parent Material
	A11 - Depleted Below Dark Surface	F7 - Depleted Dark Surface		TF12 - Very Shallow Dark Surface
	A12 - Thick Dark Surface	F8 - Redox Depressions		Other (Explain in Remarks)
	S1 - Sandy Mucky Mineral	F16 - High Plains Depressions (ML)	.RA 72, 73 of LRR H)	
	S2 - 2.5 cm Mucky Peat or Peat (LRR G, H)			
	S3 - 5 cm Mucky Peat or Peat (LRR F)			¹ Indicators of hydrophytic vegetation and wetland hydrology must be present,
	S4 - Sandy Gleyed Matrix			unless disturbed or problematic.
Restrictive Layer	Туре:	Depth:	Hydric Soil Present?	Y
Remarks:	Soil is loamy mucky mineral over dark o	lay. The profile meets hydric soil in	dicator F1- Loamy Mucky	Mineral.
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n44w18-h1	
VEGETATIO	N (Species identified in all uppercase a	re non-native	species.)			
Tree Stratum	(Plot size: 30 ft. radius)					
	<u>Species Name</u>	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet	
1.						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)	
3.						
4.					Total Number of Dominant Species Across All Strata: 3 (B)	
5.						
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)	
7.					()	
8.					Prevalence Index Worksheet	
9.					Total % Cover of: Multiply by:	
10.						
10.	 Total Cover -	= 0			$\begin{array}{cccc} \text{OBL spp.} & 0 & \text{X } 1 = & 0 \\ \text{FACW spp.} & 36 & \text{X } 2 = & 72 \end{array}$	
Total Cover = 0				$FACVV \text{ spp.} \underline{38} X Z = \underline{72}$		
O a re lise as /Others at	Other trans (Dist since AF ft as slive)				FACW spp. 36 x $2 =$ 72 FAC spp. 61 x $3 =$ 183 FACU spp. 5 x $4 =$ 20	
	Stratum (Plot size: 15 ft. radius)		NI		FACU spp. 5 x 4 = 20	
1.	Salix eriocephala	1	N	FACW	UPL spp. 0 $x 5 = 0$	
2.	Populus deltoides	1	Y	FAC		
3.					Total <u>102</u> (A) <u>275</u> (B)	
4.						
5.					Prevalence Index = B/A = 2.696	
6.]				
7.						
8.		1			Hydrophytic Vegetation Indicators:	
9.					Rapid Test for Hydrophytic Vegetation	
10.		1			X Dominance Test is > 50%	
		= 2			X Prevalence Index is ≤ 3.0 *	
					Morphological Adaptations (Explain) *	
Herb Stratum ((Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *	
1.	Echinochloa crus-galli	45	V	FAC		
2.		20	<u>- ү</u>	FACW	* Indicators of hydric soil and wetland hydrology must be	
	Persicaria maculosa		•		present, unless disturbed or problematic.	
3.	Argentina anserina	10	N	FACW		
4.	Persicaria pensylvanica	5	<u>N</u>	FACW	Definitions of Vegetation Strata:	
5.	Panicum capillare	5	N	FAC		
6	Plantago major	5	N	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast	
7.	Equisetum arvense	5	N	FAC	height (DBH), regardless of height.	
8.	Amaranthus retroflexus	5	N	FACU		
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.					1	
14.					1	
15.					Woody Vines - All woody vines, regardless of height.	
	Total Cover =	= 100				
	theture (Plat size, 20 ft radius)					
	tratum (Plot size: 30 ft. radius)					
	1					
2.						
3.					Hydrophytic Vegetation Present? Y	
5.	1					
4.		= 0				
	Total Cover =					
Remarks: The sample site is dominated by barnyard grass and lady's thumb.						
<u> </u>						
Additional Remarks:						