## WETLAND DETERMINATION DATA FORM Great Plains Region

Investigators:Soil Unit:1133ALandform:DepressionSlope (%):8 - 15%Are climatic/hydrologic colAre Vegetation\$\overline\$ SoilAre Vegetation\$\overline\$ Soil	nditions on the site typical □, or Hydrology □, or Hydrology □, or Hydrology □, atura	48.499871 for this time of ye cantly disturbed?	_Subregion( ocal Relief: C Longitude: - ar? (If no, explai	NWI ( CL 96.8373 in in remark	Classification:		□ No esent?	Date:06/23/14County:MarshallState:MNWetland ID:w-158n48w15-a1Sample Point:w-158n48w15-a1Community ID:Section:Section:Dir:
SUMMARY OF FINDINGS Hydrophytic Vegetation Pr Wetland Hydrology Prese Remarks: The wetland	resent?	Yes Yes roadside ditch do	- minated by C	Carex lac			npling Poin	Yes t Within A Wetland? Yes
HYDROLOGY         Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):         Primary:       Secondary:         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 (tilled)         B2 - Sediment Deposits       C3 - Oxidized Rhizospheres on Living Roots (not till       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)       D7 - Frost-Heaved Hummocks (LRR F)         B9 - Water-Stained Leaves       B9 - Water-Stained Leaves       D7 - Frost-Heaved Hummocks (LRR F)								
Field Observations:         Surface Water Present? Yes       Depth:       3       (in.)         Water Table Present? Yes       Depth:       (in.)       (in.)         Saturation Present? Yes       Depth:       (in.)       (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       Yes       Yes         Remarks:       The wetland is a roadside ditch with 3 inches of standing water throughout its area.       SoilLS								
Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix)								
Depth (In.)	Matrix Color (Moist)	% Color (	Moist)	Mottles %	Туре	Location	Texture	Remarks

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

NRCS Hydr	ic Soil Field Indicators (check here i	f indicators are not present):	]
	<ul> <li>A1- Histosol</li> <li>A2 - Histic Epipedon</li> <li>A3 - Black Histic</li> <li>A4 - Hydrogen Sulfide</li> <li>A5 - Stratified Layers (LRR F)</li> <li>A9 - 1 cm Muck (LRR FGH)</li> <li>A11 - Depleted Below Dark Surface</li> <li>A12 - Thick Dark Surface</li> <li>S1 - Sandy Muck Mineral</li> <li>S2 - 2.5 cm Mucky Peat or Peat (LRR G, H)</li> </ul>	<ul> <li>S5 - Sandy Redox</li> <li>S6 - Stripped Matrix</li> <li>F1 - Loamy Muck Mineral</li> <li>F2 - Loamy Gleyed Matrix</li> <li>F3 - Depleted Matrix</li> <li>F6 - Redox Dark Surface</li> <li>F7 - Depleted Dark Surface</li> <li>F8 - Redox Depressions</li> <li>F16 - High Plains Depressions (MLR.</li> </ul>	Indicators for Problematic Soils <sup>1</sup> A9 - 1cm Muck (LRR I, J)         A16 - Cost Prairie Redox (LRR F, G, H)         S7 - Dark Surface (LRR G)         F16 - High Plains Depressions (LRR H, outisde MLRA 72, 73)         F18 - Reduced Vertic         TF2 - Red Parent Material         TF12 - Very Shallow Dark Surface         Other (Explain in Remarks)
	S3 - 5 cm Mucky Peat or Peat (LRR F) S4 - Sandy Gleyed Matrix		<sup>1</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer	Type:	Depth:	Hydric Soil Present? Y
Remarks:	Soils could not be sampled due to the lo hydrophytic vegetation.	ocation within a roadside ditch. Soils a	are assumed to be hydric based on the landscape position and dominance of

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Project/Site:	L3R				Sample Point: w-158n48w15-a1		
VEGETATIO	N (Species identified in all uppercase are	e non-native	species.)				
Tree Stratum	(Plot size: 30 ft. radius)						
	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet		
1.							
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)		
3.	l						
4.					Total Number of Dominant Species Across All Strata: 2 (B)		
5.							
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)		
7.							
8.					Prevalence Index Worksheet		
9.					Total % Cover of: Multiply by:		
10.					OBL spp. <u>80</u> x 1 = <u>80</u>		
	Total Cover =	0	_		FACW spp. 10 $X 2 = 20$		
					FAC spp.10x3 =30FACU spp.0x4 =0		
	Stratum (Plot size: 15 ft. radius)				FACU spp. $0$ x 4 = $0$		
1.					UPL spp. 0 $x 5 = 0$		
2.					_		
3.					Total <u>100</u> (A) <u>130</u> (B)		
4.							
5.					Prevalence Index = B/A = <u>1.300</u>		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.					X Dominance Test is > 50%		
	Total Cover =	0			X Prevalence Index is $\leq$ 3.0 *		
					Morphological Adaptations (Explain) *		
Herb Stratum (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Carex lacustris	50	Y	OBL			
2.	Persicaria punctata	30	Y	OBL	* Indicators of hydric soil and wetland hydrology must be		
3.	Phragmites australis	10	Ν	FACW	present, unless disturbed or problematic.		
4.	Apocynum cannabinum	10	Ν	FAC	Definitions of Vegetation Strata:		
5.							
6					<b>Tree -</b> 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.					1		
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			-		
		100	_				
Woody Vine St	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present? Y		
5.							
<u> </u>							
<u>−</u> .	Total Cover =	0					
Remarks:		0					
<b>.</b>							
Additional Remarks:							
The wetland vegetation is dominated by Carex lacustris and Persicaria punctata.							