WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: 08/20/14	
Applicant:								County: Marshall			
Investigators		RAJ/BEH			Subregior	`	or LRR):	MLRA 56		State: MN	
Soil Unit:	I16F			_	aal Daliafi		Classification	:		0	
Landform: Slope (%):	Depression 8 - 15%	Latitude:	/12 /11		cal Relief: Longitude:		4 7 2	Datum:		Sample Point: w-157n47w16-h1	
		nditions on the site typical							□ No	Section:	
Are Vegetation		□, or Hydrology □signif			II : (II 110, exp	T	normal circun			Township:	
Are Vegetation			•	blematic?		7110	✓ Yes		300111.	Range: Dir:	
SUMMARY C			y p. 0.	o.o.mano.			_ 100	_ 110		range.	
			Yes					Hydric Soil	ls Present?	Yes	
Hydrophytic Vegetation Present? Wetland Hydrology Present? Yes Yes									nt Within A Wetland? Yes		
Remarks: The wetland is a shallow marsh in an oxbow.											
HYDROLOGY											
_		cators (Check all that app	ply; Mii	nimum of on	e primary	or two se	econdary requi	red):			
Primary:		Matan			B11 - Salt (~t			Secondary:	<u>:</u> B6 - Surface Soil Cracks	
	□ A1 - Surface Water☑ A2 - High Water Table				B13 - Aqua					B8 - Sparsely Vegetated Concave Surface	
✓	A3 - Saturatio				C1 - Hydro		e Odor			B10 - Drainage Patterns	
	B1 - Water Ma				C2 - Dry Se					C3 - Oxidized Rhizospheres on Living Roots (tilled)	
	B2 - Sediment	•					pheres on Living	Roots (not tille		C8 - Crayfish Burrows	
	B3 - Drift Dep B4 - Algal Mat				C4 - Presei C7 - Thin M				□	C9 - Saturation Visible on Aerial Imagery D2 - Geomorphic Position	
	B5 - Iron Depo				Other (Expl				☑	D5 - FAC-Neutral Test	
		n Visible on Aerial Imagery			\ \	,				D7 - Frost-Heaved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves									
Field Observ						<u> </u>					
Field Observ			-		(!)						
Surface Wate		Yes	Depth:		(in.)			Wetland H	lydrology	Present? Y	
Water Table		Yes ☑	Depth:		(in.)						
Saturation Present? Yes ☑ Depth: 0 (in.)											
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
				al photos, pre	vious insp						
Describe Reco		tream gauge, monitoring worldrology is present. There		al photos, pre	vious insp			point.			
Remarks:				al photos, pre	vious insp			point.			
Remarks:	Wetland hyd	drology is present. There	are sn	al photos, pre ails and sma	evious insp Il fish in th	ne pool b	y the sample p				
Remarks: SOILS Profile Descri	Wetland hyd	drology is present. There be to the depth needed to	are sn	al photos, preails and sma	evious insp Il fish in th	ne pool by	y the sample p	ndicators.)			
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Remarks: SOILS Profile Descri	Wetland hyd	drology is present. There be to the depth needed to	are sn	al photos, preails and sma	evious insp Il fish in th	ne pool by	y the sample per absence of income Lining, M=Mati	ndicators.)			
Remarks: SOILS Profile Descri (Type: C=Concer	Wetland hyd	be to the depth needed to etion, RM=Reduced Matrix, CS=	are sn	al photos, preails and sma	evious insp Il fish in th cator or co Grains; Locat	ne pool by onfirm the ion: PL=Po	y the sample per absence of income control of the sample per absence of the	ndicators.)	Texture	Remarks	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site	e: L3R				Sample Point: w-157n47w16-h1				
VEGETATIO		e non-native	species.)						
Tree Stratum	(Plot size: 30 ft. radius)								
	<u>Species Name</u>	% Cover	Dominant	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: 1 (B)				
					Total Number of Borninant Opecies Across All Strata.				
5.					- 100 00((A/D)				
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.					OBL spp. $\frac{46}{46}$ $\times 1 = \frac{46}{46}$				
	Total Cover =	0			FACW spp. 5 $\times 2 = 10$				
					FAC spp. 0 x 3 = 0				
Conling/Chrub	Stratum (Blot size: 15 ft radius)				FACH app				
	Stratum (Plot size: 15 ft. radius)				FACU Spp. 0 X 4 = 0				
1.					OBL spp. 46				
2.									
3.					Total <u>51</u> (A) <u>56</u> (B)				
4.									
5.					Prevalence Index = B/A = 1.098				
6.									
7.									
8.					Hydronbytic Vogotation Indicators:				
					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X 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.	Carex emoryi	30	Υ	OBL					
2.			<u>.</u> N	FACW	* Indicators of hydric soil and wetland hydrology must be				
	Phalaris arundinacea	5			present, unless disturbed or problematic.				
3.	Sparganium eurycarpum	5	N	OBL					
4.	Alisma triviale	5	N	OBL	Definitions of Vegetation Strata:				
5.	Lysimachia thyrsiflora	5	N	OBL					
6	Cicuta maculata	1	N	OBL	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.					All to the second of the secon				
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	51							
	Total Gover =	01							
Manda New Y	Stratum (Diet cine, 20 ft								
	Stratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present?Y				
5.									
4.									
	Total Cover = 0								
Remarks:			samnle r	noint is at	the edge of a pool. Farther out in the pool, a species of pondweed is abundant.				
i vernaine.	A Shahow marsh plant community in all old o	MOUVE. THE	ο σαπιρί ο μ	Joint 15 at	and dage of a pool. I arrive out in the pool, a species of policiweed is abundant.				
Additional Remarks:									