WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	•									Date:	08/19/14		
Applicant:										County:	Marshall		
Investigators					Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN		
Soil Unit:	123A		NWI Classification:										
Landform:	Dip				cal Relief:					Sample Point:	w-157n47w16-d1		
Slope (%):	0 - 2%		ude: 48.41				4347217	Datum:					
Are climatic/h		nditions on the site typ	ical for this	s time of yea	r? (If no, exp	1		Yes	□ No	Section:			
Are Vegetation				disturbed?		Are	e normal circum	nstances pr	esent?	Township:			
Are Vegetation	on 🛭 Soil	□, or Hydrology □at	urally prob	olematic?			Yes	□ No		Range:	Dir:		
SUMMARY C	OF FINDING:	5											
Hydrophytic Vegetation Present?							Hydric Soi	ls Present?	' Yes				
Wetland Hydrology Present?			Yes	Yes			Is This Sampling Poi			nt Within A W	etland? Yes		
Remarks:	The wetland	d sample point is locate	ed in a wet	meadow do	minated b	y comm	on scouring-rus	sh, reed car	nary grass a	and quack gra	ass.		
HYDROLOG	Υ												
		icators (Chack all that	annly: Mir	nimum of on	o primary	or two so	ocondary roquir	.od):					
_		icators (Check all that	apply, will	illitium of on	e primary	OI TWO SE	econdary requir	ea):	Secondary				
<u>Primary:</u> □ A1 - Surface Water				П	B11 - Salt (Crust		Secondary.	<u>.</u> B6 - Surface S	Soil Cracks			
□ A1 - Surface Water □ A2 - High Water Table					B13 - Aqua						Vegetated Concave Surface		
	A3 - Saturation				C1 - Hydro					B10 - Drainage Patterns			
	B1 - Water M	arks		☐ C2 - Dry Season Water Table ☐							C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen	•					spheres on Living	Roots (not till	le 🗀	C8 - Crayfish I			
	B3 - Drift Dep				C4 - Prese						n Visible on Aerial Imagery		
	B4 - Algal Ma B5 - Iron Dep				C7 - Thin N Other (Exp		ace		☑	D2 - Geomorp D5 - FAC-Neu			
		on Visible on Aerial Imager	/	Ь	Other (Exp	iaii i)					aved Hummocks (LRR F)		
		ained Leaves	,						_	<i>D1</i> 110001100	avod Hammooko (Erkivi)		
Field Observ	vations:												
Surface Water		Yes □	Depth:		(in)								
Water Table		Yes	Depth:		(in.) (in.)			Wetland F	Hydrology	Present?	Υ		
Saturation Pr		Yes	Depth:		(in.)								
Saturation	resent?	165	Deptii.		(111.)								
Describe Rec	orded Data (stream gauge, monitorin	g well, aeri	al photos, pre	evious insp	ections),	l if available:						
Describe Reco		stream gauge, monitoring point is in an area tha	<u> </u>					C-Neutral to	est.				
			<u> </u>					C-Neutral to	est.				
Remarks:	The sample	point is in an area tha	t would co	llect water, a	and the ve	getation	passes the FA		est.				
Remarks: SOILS Profile Descri	The sample	point is in an area that	t would co	llect water, a	and the ve	getation	passes the FA	dicators.)	est.				
Remarks: SOILS Profile Descri	The sample	point is in an area tha	t would co	llect water, a	and the ve	getation	passes the FA	dicators.)	est.				
Remarks: SOILS Profile Descri	The sample	be to the depth needed	t would co	llect water, a	and the ve	getation onfirm the ion: PL=Po	passes the FAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE P	dicators.)	est.				
Remarks: SOILS Profile Descri (Type: C=Concer	The sample	be to the depth needed etion, RM=Reduced Matrix, Matrix	t would co	llect water, a	and the ve	getation onfirm the	passes the FAGE e absence of in ore Lining, M=Matri	dicators.)					
Remarks: SOILS Profile Descri	The sample	be to the depth needed etion, RM=Reduced Matrix Matrix Color (Moist)	t would co	nent the indicated Sand Coated Color (I	cator or co Grains; Locat Moist)	getation onfirm the ion: PL=Po	passes the FAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE P	dicators.)	Texture		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer	The sample	be to the depth needed etion, RM=Reduced Matrix, Matrix	t would co	llect water, a	cator or co Grains; Locat Moist)	getation onfirm the	passes the FAGE e absence of in ore Lining, M=Matri	dicators.)			Remarks		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7	The sample iption (Description, D=Deplementation, D=Deplementation, D=Deplementation)	be to the depth needed etion, RM=Reduced Matrix Matrix Color (Moist) 2/1	t would co	Color (I Hue_7.5YR Hue_10YR	cator or co Grains; Locat Moist) 3/3 4/4	monfirm the months of the mont	e absence of inore Lining, M=Matri	dicators.) Location M	Texture FSL	Vertical streaking			
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7	The sample iption (Description, D=Deplementation, D=Deplementation, D=Deplementation)	be to the depth needed etion, RM=Reduced Matrix Matrix Color (Moist) 2/1	t would co	nent the indicated Sand Coolor (I	cator or co Grains; Locat Moist) 3/3 4/4	montile Mottle 2	e absence of inore Lining, M=Matri	dicators.) Location M M	Texture FSL LFS	Vertical streaking			
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7 7-21 NRCS Hydr	The sample iption (Description (Description, Depoint of the sample of th	be to the depth needed etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (check	t would co	Color (I Hue_7.5YR Hue_10YR Hue_10YR Icators are r	cator or co Grains; Locat Moist) 3/3 4/4 2/1 aot presentedox Matrix	monfirm the months of the mont	e absence of in ore Lining, M=Matri	Location M M M	Texture FSL LFS FSL Indicators A9 - 1 cm N A16 - Coast	for Problemation Muck (LRR I, J) t Prairie Redox	c Soils ¹ (LRR F, G, H)		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-157n47w16-d1					
VEGETATIO	(Species identified in all uppercase are (Plot size: 30 ft. radius)	e non-native	species.)							
Tree Stratum (Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	<u>Species (Asimire</u>	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	<u>=</u>	<u>a.o.a.a.a</u>						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)					
3.										
4.					Total Number of Dominant Species Across All Strata:4 (B)					
5.										
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)					
7.										
8.					Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.	Total Cavar				OBL spp. $\frac{15}{15}$ $x = \frac{15}{15}$					
Total Cover = 0					FACW spp. $\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
Conling/Chrub	Stratum (Plataiza: 15 ft radius)		FACTIONS $\frac{5}{20}$ $\times 3 = \frac{15}{20}$							
5apiing/Shrub 3	Stratum (Plot size: 15 ft. radius)	5		FAC	FACU spp. $\begin{array}{c cccc} 20 & x & 4 = & 80 \\ \hline UPL spp. & 0 & x & 5 = & 0 \\ \end{array}$					
2.	Acer negundo	<u> </u>	<u>'</u>	170	σει spp					
3.					Total 120 (A) 270 (B)					
4.					10tal 120 (7) 270 (B)					
5.					Prevalence Index = B/A = 2.250					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					X Dominance Test is > 50%					
	Total Cover =	5			X Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Equisetum hyemale	40	Υ	FACW						
2.	Elymus repens	20	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be					
3.	Phalaris arundinacea	20	Y	FACW	present, unless disturbed or problematic.					
4.	Stachys tenuifolia	15	N	FACW	Definitions of Vegetation Strata:					
5.	Carex utriculata	10	N	OBL	_					
6	Persicaria maculosa	5	N	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.	Carex emoryi	5	N	OBL	height (DBH), regardless of height.					
8.					O - 12 - 101 - 1 Weeds plants less than 2 in DDLL regardless of height					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
10.										
11.					Herb - All herbaceous (non-woody) plants, regardless of size.					
12. 13.					Herb - All Herbaccous (Horr woody) plants, regardless of size.					
14.										
15.					Woody Vines - All woody vines, regardless of height.					
10.	Total Cover =	115			vicous vines a vines as vines, regulares er neight					
	Total Cover =	110	_							
Woody Vine St	ratum (Plot size: 30 ft. radius)									
1.	Tatam (Fiot Size: 50 ft. radius)									
2.					Hydrophytic Vegetation Present?Y					
3.										
5.										
4.										
	Total Cover =	0								
Remarks:	The site is dominated by common scouring-r	rush, reed	canary gra	iss and qu	ack grass. A mixture of hydrophytic species comprises the rest of the site.					
Additional Remarks:										