## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant:										Date:09/25/14County:Marshall		
Investigators		Subregion (MLRA or LRR): MLRA 56						State:	MN			
Soil Unit: Landform:	I707A Depression					NWI Classification: PEMAd						w-154n45w11-a2
Slope (%):	<u>3 - 7%</u>		Local Relief: CC Latitude: 48.179051 Longitude: -96.391806 Datum									w-1341143W11-az
		nditions on the si				-				□ No	Section:	
Are Vegetation		□, or Hydrology					1	e normal circun	nstances pre	esent?	Township:	
Are Vegetatio	on 🗆 Soil	□, or Hydrology	□aturally	/ probl	lematic?			☑ Yes	□ No		Range:	Dir:
SUMMARY OF FINDINGS												
Hydrophytic V	-			es						ls Present?		
Wetland Hyd					otod within	a aavbaa	n field wi	ith little vegetet			nt Within A W	
Remarks:		parse patches of				•						only vegetation throughout the
HYDROLOG		parse parches or	barriyaru y	yi a 55 c	and bog yer	100001833.		getation has be			ue.	
Wetland Hy	drology Indi	cators (Check al	ll that apply	y; Mini	imum of one	e primary	or two se	econdary requi	red):	0		
Primary:	A1 - Surface \	N/ater			п	B11 - Salt	Crust			<u>Secondary:</u> ☑	B6 - Surface S	Soil Cracks
	A2 - High Wat					B13 - Aqua						Vegetated Concave Surface
	A3 - Saturatio					C1 - Hydro					B10 - Drainag	e Patterns
	B1 - Water Ma B2 - Sedimen					C2 - Dry So		iter Table spheres on Living	Roots (not till	<u>с</u>	C3 - Oxidized C8 - Crayfish	Rhizospheres on Living Roots (tilled
	B3 - Drift Dep	•				C4 - Prese					•	n Visible on Aerial Imagery
	B4 - Algal Mat	t or Crust				C7 - Thin N		ace		$\checkmark$	D2 - Geomorp	phic Position
	B5 - Iron Depe	osits n Visible on Aerial Ir	magan			Other (Exp	olain)				D5 - FAC-Neu	utral Test aved Hummocks (LRR F)
	B9 - Water-St		magery								D7 - FIOSI-HE	aved Hummocks (LKK F)
Field Observ	vations:											
Surface Wate				epth:		(in.)			Wetland H	lydrology	Present?	Y
Water Table		Yes 🗆		epth:		(in.)				.yarelegy		<u>.</u>
Saturation Pr	resent?	Yes 🗆	D	epth:		(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
			-				-					
Remarks:	No primary	hydrology indicate	-				-		I cracking a	nd landsca	pe position.	
	No primary		-				-		I cracking a	nd landsca	pe position.	
SOILS			ors are pres	sent.	Wetland hy	drology is	assume	ed based on so		nd landsca	pe position.	
SOILS Profile Descri	ption (Descri	hydrology indicate	ors are pres	sent. V	Wetland hy	drology is	assume	ed based on so e absence of ir	ndicators.)	nd landsca	pe position.	
SOILS Profile Descri	ption (Descri	hydrology indicate be to the depth ne etion, RM=Reduced M	ors are pres	sent. V	Wetland hy	drology is	onfirm the	ed based on so e absence of ir ore Lining, M=Mati	ndicators.)	nd landsca	pe position.	
SOILS Profile Descri (Type: C=Concer	ption (Descri	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix	ors are pres	ocume	Wetland hy ent the indic Coated Sand G	drology is cator or co Grains; Loca	onfirm the tion: PL=Pe Mottle	ed based on so e absence of ir ore Lining, M=Mati	ndicators.)		pe position.	Domorko
SOILS Profile Descri (Type: C=Concer Depth (In.)	ption (Descri	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix Color (Moist)	eeded to do	ocume overed/C	Wetland hy	drology is cator or co Grains; Loca	onfirm the	ed based on so e absence of ir ore Lining, M=Mati	ndicators.)	nd landsca	pe position.	Remarks
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12	ption (Descri	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1	eeded to do	ocume overed/C % 100	Wetland hy ent the indic Coated Sand G Color (N	drology is cator or co Grains; Locat	onfirm the tion: PL=P	ed based on soi e absence of ir ore Lining, M=Mati es Type	ndicators.) ix)		pe position.	Remarks
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-16	ption (Descri htration, D=Deple Hue_10YR Hue_10YR	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 4/2	eeded to do	ocume overed/C % 100 80 I	Wetland hy ent the indic Coated Sand G Color (N Hue_10YR	drology is cator or co Grains; Locat Moist) 5/8	onfirm the tion: PL=P Mottle %	ed based on sol e absence of ir ore Lining, M=Mati es Type C	hdicators.) ix) Location		pe position.	Remarks
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## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-154n45w11-a2
VEGETATIO		re 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.					
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <b>100.0%</b> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. $10 \times 1 = 10$
	Total Cover =	0			FACW spp. 0 x $2 = 0$
					FAC spp. 15 X $3 = 45$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				OBL spp.     10     X     1 =     10       FACW spp.     0     X     2 =     0       FAC spp.     15     X     3 =     45       FACU spp.     0     X     4 =     0
<u>1.</u>					$UPL \text{ spp.}  0 \qquad \text{ x } 5 = 0$
2.					
3.					Total 25 (A) 55 (B)
4.					
5.					Prevalence Index = $B/A = 2.200$
<u> </u>					$P_{1} = D_{1} = D_{1} = 2.200$
<u> </u>					
					Hydrophytic Vegetation Indicators
8.					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.	Echinochloa crus-galli	15	Y	FAC	
2.	Rorippa palustris	10	Y	OBL	* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.					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.	I				
11.	l				
					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.
12.					TIELD - An Holbaccous (Hor woody) plants, regardless of size.
13.	1				
14.					Manada Maraa All woody vince recordings of height
15.		<u> </u>			Woody Vines - All woody vines, regardless of height.
	Total Cover =	25			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.					
	Total Cover =	0			
Remarks:			ry sparse	amounts of	of bog yellowcress and barnyard grass, which has been treated with herbicide.
		_	•		
Additional F	Domarke				
Additional F					
1					