WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/13/14
Applicant:										County:	Marshall
Investigators				Subregion (MLRA or LRR): MLRA 56						State:	MN
Soil Unit:	I33A Din			_	aal Daliafu		Classification:			Committee Delinte	w 456n46w47 o4
Landform: Slope (%):											
		nditions on the site						✓ Yes	□ No	Section:	
Are Vegetation					11 T (11 110, 0XP	T	normal circum			Township:	
Are Vegetation			•			,	✓ Yes	□ No		Range:	Dir:
SUMMARY C			<i>y</i> ₁							J	
Hydrophytic \	Vegetation Pi	resent?	Yes					Hydric Soil	ls Present?	Yes	
_			Yes				Is This Sampling Poin			nt Within A We	etland? Yes
Remarks: The wetland sample point is in a season				-flooded basi	soybear	field. The vege	etation is do	ominated by	y cattail seedli	ngs. The wetland is located in a	
	petroleum p	ipeline corridor.									
HYDROLOG	Y										
Wetland Hy	drology Indi	cators (Check all	that apply; M	inimum of one	e primary	or two se	econdary requir	ed):			
Primary:	<u>.</u>	•	11.37				, ,	,	Secondary:		
□ A1 - Surface Water					B11 - Salt (☑	B6 - Surface S	
	A2 - High Wat A3 - Saturatio				B13 - Aqua C1 - Hydrog		e Odor		☑	B8 - Sparsely N B10 - Drainage	/egetated Concave Surface
	B1 - Water Ma				C2 - Dry Se						Rhizospheres on Living Roots (tilled)
	B2 - Sediment	t Deposits			C3 - Oxidiz	ed Rhizos	pheres on Living	Roots (not till	• -	C8 - Crayfish E	Burrows
☑ _	B3 - Drift Dep				C4 - Preser						Visible on Aerial Imagery
	B4 - Algal Mat B5 - Iron Depo				C7 - Thin M Other (Expl		ace		☑	D2 - Geomorph D5 - FAC-Neut	
		n Visible on Aerial Im	agery		Other (Expi	iaii i)					ved Hummocks (LRR F)
	B9 - Water-St		3 ,								,
Field Observ	vations:										
Surface Wate		Yes □	Depth		(in.)			Wetland H	lvdrology	Present?	Υ
Water Table		Yes	Depth		(in.)				.,		<u> </u>
Saturation Pr	resent?	Yes □	Depth	١•	(in.)						
			op	•	(1111)						
Describe Reco	orded Data (s	tream gauge, monit				ections),	if available:				
Describe Reco	<u> </u>		toring well, ae	rial photos, pre		ections),	if available:				
Remarks:	<u> </u>	tream gauge, monit	toring well, ae	rial photos, pre		ections),	if available:				
Remarks:	Drift deposit	stream gauge, monit s and iron deposit	toring well, ae	rial photos, preved.	evious insp	·		eli antorra V			
Remarks: SOILS Profile Descri	Drift deposit	tream gauge, monits and iron deposite	toring well, ae	rial photos, preved.	evious insp	onfirm the	e absence of in				
Remarks: SOILS Profile Descri	Drift deposit	stream gauge, monit s and iron deposit	toring well, ae	rial photos, preved.	evious insp	onfirm the	e absence of in				
Remarks: SOILS Profile Descri	Drift deposit	tream gauge, monits and iron deposite	toring well, ae	rial photos, preved.	evious insp	onfirm the	e absence of incore Lining, M=Matri				
Remarks: SOILS Profile Descri (Type: C=Concer	Drift deposit	etream gauge, monit is and iron deposite be to the depth ne- etion, RM=Reduced Ma Matrix	toring well, ae	rial photos, preved.	evious insp cator or co Grains; Locat	onfirm the	e absence of inore Lining, M=Matri		Texture		Remarks
Remarks: SOILS Profile Descri	Drift deposit	tream gauge, monit s and iron deposit be to the depth ne etion, RM=Reduced Ma	toring well, ae ts were obser eeded to docu	rial photos, preved. ment the indicated Sand Control Color (N	evious insp cator or co Grains; Locat	onfirm the ion: PL=Pe	e absence of incore Lining, M=Matri	x)	Texture	fine sand	Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	Drift deposit	tream gauge, monit s and iron deposite be to the depth ne- etion, RM=Reduced Ma Matrix Color (Moist)	toring well, ae ts were obser eeded to docu atrix, CS=Covere	rial photos, preved. ment the indicated Sand Control Color (I	evious insp cator or co Grains; Locat	onfirm the ion: PL=Pe	e absence of inore Lining, M=Matri	x)		fine sand	Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6	Drift deposit	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1	toring well, ae se were observed to docu atrix, CS=Covered %	rial photos, preved. ment the indicated Sand Control Color (N	cator or co Grains; Locat	onfirm the ion: PL=Po Mottle	e absence of incore Lining, M=Matri es Type	Location	SCL	fine sand	Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-17	ption (Descrintration, D=Depleted) Hue_10YR Hue_5Y	be to the depth neterion, RM=Reduced Matrix Color (Moist) 2/1 7/2	eeded to docu atrix, CS=Covere	rial photos, preved. ment the indicated Sand Control Color (National Color) Hue_10YR	cator or co Grains; Locat Moist) 7/8 7/8	Mottle	e absence of incore Lining, M=Matri es Type	Location M	SCL FSL		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-17 17-23	ption (Descrintration, D=Depleted) Hue_10YR Hue_5Y	be to the depth neterion, RM=Reduced Matrix Color (Moist) 2/1 7/2	eded to docu atrix, CS=Covere % 100 65	rial photos, preved. ment the indicated Sand Control Color (Note: 1048) Hue_1048 Hue_1048	cator or co Grains; Locat Moist) 7/8 7/8	Mottle	e absence of in ore Lining, M=Matri es Type C C	Location M M	SCL FSL SCL		Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-17 17-23 17-23 17-23 NRCS Hydr	Drift deposite ption (Descriptration, D=Deplete ptration, D=Deplet	be to the depth neetion, RM=Reduced Marix Color (Moist) 2/1 7/2 6/2 2.5Y 8.5/1 Indicators (characters)	eeded to docu atrix, CS=Covere % 100 65 69	rial photos, preved. ment the indicators and Control of Color (Note: 10 Percentage) Color (Note: 10 Percentage) Hue_10 Percentage Hue_10 Percentage Hue_2.5 Percentage dicators are notes and control of Color (Note: 10 Percentage) S5 - Sandy Roy S6 - Stripped	cator or co Grains; Locat Moist) 7/8 7/8 3/3 ot present edox Matrix	Mottle % 35 20 1	e absence of incore Lining, M=Matri	Location M M M	SCL FSL SCL OT Indicators A9 - 1 cm M A16 - Coast	fine sand CaCO3 for Problemation fuck (LRR I, J) Prairie Redox (: Soils ¹
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-156n46w17-a1
					•
VEGETATION	(Species identified in all uppercase a	re non-native	species.)		
Tree Stratum (Plot size: 30 ft. radius)				
	<u>Species Name</u>	% Cover	<u>Dominant</u>	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)
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.					OBL spp. 3
	Total Cover =	0			FACW spp. $0 x 2 = 0$
					FAC spp. $\begin{array}{cccccccccccccccccccccccccccccccccccc$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $0 x 4 = 0$
1.					UPL spp. $0 x 5 = 0$
2.					
3.					Total 4 (A) 6 (B)
4.					
5.					Prevalence Index = B/A = 1.500
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 ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Typha angustifolia	3	N	OBL	
2.	Echinochloa crus-galli	1	Y	FAC	* Indicators of hydric soil and wetland hydrology must be
3.	Zermieermed erde gam	'	•	17.0	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 2 in (7 Sam) or more in diameter at breast
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
8.					
					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
9.					Sapring/Shrub - Woody plants less than 3 m. DBH, regardless of height.
10.					-
11.					I I a what All herbesseus (non woods) plants, regardless of size
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.				_	
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	4			
Woody Vine Sti	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?Y
5.					
4.					
	Total Cover =	0			
Remarks:	The site is sparsely vegetated by cattail and	barnyard g	ırass seedl	ings.	
Additional R	emarks:				
					