WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/09/14	
Applicant:										County:	Polk	
Investigators: JLS/SAM				Subregion (MLRA or LRR)				MLRA 56		State:	MN	
Soil Unit:	543						lassification:					
Landform:	Talf		-		cal Relief:		-			Sample Point:	u-150n39w19-c1	
Slope (%):	0 - 2%		Latitude: 47.79			-95.70871		Datum:				
		nditions on the site			ar? (If no, exp				□ No	Section:		
Are Vegetati		📮 or Hydrology				Are n	ormal circum	•	esent?	Township:		
Are Vegetati		🖵 or Hydrology	Liturally prol	plematic?			Yes	□No		Range:	Dir:	
SUMMARY (
Hydrophytic				No			Hydric Soils Present?					
Wetland Hyd				No htly harvested soybean field adja			Is This Sampling Point Within A Wetland? No					
Remarks:	The sample	point is located in	a recently har	vested soyb	ean field a	idjacent to	a roadside d	itch wetland	l.			
HYDROLOG	Y											
Wetland Hy	drology Ind	icators (Check all	that apply; Mir	nimum of on	e primary	or two seco	ondary requi	red):				
Primary									Secondary:			
	A1 - Surface				B11 - Salt C					B6 - Surface S		
	A2 - High Wa A3 - Saturatio				B13 - Aqua	tic ⊢auna gen Sulfide (Odor			B8 - Sparsely B10 - Drainage	Vegetated Concave Surface	
	B1 - Water M					eason Water					Rhizospheres on Living Roots (tilled)	
	B2 - Sedimen				C3 - Oxidiz	ed Rhizosph	neres on Living	Roots (not tille		C8 - Crayfish E		
	B3 - Drift Dep				C4 - Preser	nce of Reduc	ced Iron				Nisible on Aerial Imagery	
	B4 - Algal Ma			C7 - Thin Muck Surface						D2 - Geomorph		
	B5 - Iron Dep	osits In Visible on Aerial Im	2000/		Other (Expl	ain)				D5 - FAC-Neut	rai Test wed Hummocks (LRR F)	
	B9 - Water-St		agery							DI - HOSt-Hea		
_												
Field Obser	vations:											
Surface Wat		Yes 🛛	Denth:		(in.)							
Water Table		Yes	Depth:		(in.)			Wetland H	ydrology l	Present?	N	
Saturation P	-	Yes			(in.)							
outonation			Doptil.		. ()							
		tream gauge, moni	-		-		available:					
Describe Rec Remarks:		tream gauge, moni or secondary indic	-		-		available:					
Remarks:			-		-		available:					
Remarks: SOILS	No primary	or secondary indic	ators of wetlar	nd hydrology	were obse	erved.		dicators)				
Remarks: SOILS Profile Descri	No primary		eded to docun	nd hydrology	were observed a second	erved.	absence of in					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docun	nd hydrology	were observed a second	erved.	absence of in					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to docun	nd hydrology	were observed a second	erved.	absence of in Lining, M=Matr					
Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	eded to docun	nd hydrology	cator or co Grains; Locat	erved. Infirm the a ion: PL=Pore	absence of in Lining, M=Matr		Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	eded to docun atrix, CS=Covered	nd hydrology	cator or co Grains; Locat	erved. onfirm the a ion: PL=Pore Mottles	absence of in Lining, M=Matr	ix)	Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to docun atrix, CS=Covered	nd hydrology	cator or co Grains; Locat	erved. onfirm the a ion: PL=Pore Mottles	absence of in Lining, M=Matr	ix)	Texture L		Remarks	
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eded to docun atrix, CS=Covered % 100	nent the indi /Coated Sand Color (Moist)	erved. Infirm the a ion: PL=Pore Mottles %	absence of in Lining, M=Matr Type	ix)	Texture L		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to docun atrix, CS=Covered % 100	nent the indi /Coated Sand Color (Moist)	erved. Infirm the a ion: PL=Pore Mottles %	absence of in Lining, M=Matr Type	ix)	L	or Problematic		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18 NRCS Hydr	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eded to docum atrix, CS=Covered % 100 eck here if ind	nent the indi /Coated Sand i Color (i 	Moist)	erved. Infirm the a ion: PL=Pore Mottles %	absence of in Lining, M=Matr Type	Location	L Indicators f	or Problematic		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18 NRCS Hydr	No primary	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch	eded to docum atrix, CS=Covered % 100 eck here if ind	nent the indi /Coated Sand Color (Were observed to the second se	erved. onfirm the a ion: PL=Pore Mottles %	absence of in Lining, M=Matr Type	Location	L Indicators f A9 - 1 cm M	or Problematic uck (LRR I, J) Prairie Redox (: Soils ¹	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18 NRCS Hydr	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch ipedon	eded to docun atrix, CS=Covered % 100 eck here if ind	nent the indi /Coated Sand i Color (were observed to the second se	erved.	absence of in Lining, M=Matr Type	Location	L Indicators f A9 - 1 cm M A16 - Coast	uck (LRR I, J)	: Soils ¹	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18 NRCS Hydr	No primary iption (Descrintration, D=Depletion) Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogen	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch ipedon ttic	eded to docum atrix, CS=Covered % 100 eck here if ind	icators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O	Moist) Moist) mot present edox Matrix Mucky Minera Bleyed Matrix	erved.	absence of in Lining, M=Matr Type	Location	L Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	: Soils ¹	
Remarks: SOILS Profile Descr (Type: C=Concer Depth (In.) 0-18 NRCS Hydr	No primary iption (Descrintration, D=Depleter Hue_10YR ic Soil Field A1- Histosol A2 - Histic Epleter A3 - Black Hist A4 - Hydroger A5 - Stratified	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch ipedon suffide Layers (LRR F)	eded to docum atrix, CS=Covered % 100 eck here if ind	icators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy C	Moist) Moist)	erved.	absence of in Lining, M=Matr Type		L Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio ed Vertic	: <u>Soils1</u> LRR F, G, H)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18 NRCS Hydr	No primary iption (Descrintration, D=Depletion) Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogen A5 - Stratified A9 - 1 cm Mu	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch ipedon stic n Sulfide Layers (LRR F) sk (LRR FGH)	eded to docum atrix, CS=Covered % 100 eck here if ind	icators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy C F3 - Depletec F6 - Redox D	were observer of the second se	al	absence of in Lining, M=Matr Type	Location	L Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red P	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio ed Vertic arent Material	2 <u>Soils¹</u> LRR F, G, H) INS (LRR H, outside MLRA 72, 73)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-18 NRCS Hydr RCS Hydr	No primary iption (Descrintration, D=Depletion) Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogei A5 - Stratified A9 - 1 cm Mu A11 - Deplete	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch ipedon stic 1 Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	eded to docun atrix, CS=Covered % 100 eck here if ind	icators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O F3 - Depletec F6 - Redox D F7 - Depletec	Moist) Moist)	al	absence of in Lining, M=Matr Type	x)	L Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	uck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio ed Vertic arent Material Shallow Dark S	2 <u>Soils¹</u> LRR F, G, H) INS (LRR H, outside MLRA 72, 73)	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R			Sample Point: u-150n39w19-c1						
			·							
VEGETATION Tree Stratum (N (Species identified in all uppercase an Plot size: 30 ft. radius)	e non-native spec	ies.)							
,	Species Name	<u>% Cover</u> Don	ninant Ind.Status	Dominance Test Worksheet						
1.										
2.				Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)						
3. 4.				Total Number of Dominant Species Across All Strata: 0 (B)						
4. 5.				Total Number of Dominant Species Across All Strata: 0 (B)						
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: N/A (A/B)						
7.				()						
8.				Prevalence Index Worksheet						
9.				Total % Cover of: Multiply by:						
10.				$OBL spp. \underline{0} x 1 = \underline{0}$						
	Total Cover =	0		FACW spp. 0 x 2 = 0						
Sanling/Shrub S	Stratum (Plot size: 15 ft. radius)			FAC spp. 0 x 3 = 0 FACU spp. 0 x 4 = 0						
1.				UPL spp. 0 $x 5 = 0$						
2.				······································						
3.				Total 0 (A) 0 (B)						
4.										
5.				Prevalence Index = B/A = NA						
6.										
7.				Undranky tie Verstation Indicators						
0. 9.	<u> </u>			Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation						
10.	<u></u>			Dominance Test is > 50%						
	Total Cover =	0		Prevalence Index is ≤ 3.0 *						
				Morphological Adaptations (Explain) *						
Herb Stratum (F	Plot size: 5 ft. radius)			Problem Hydrophytic Vegetation (Explain) *						
1.										
2.				 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 						
3. 4.				Definitions of Vegetation Strata:						
4. 5.				Deminions of vegetation strata.						
6				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. 12.				Herb - All herbaceous (non-woody) plants, regardless of size.						
12.										
14.										
15.				Woody Vines - All woody vines, regardless of height.						
	Total Cover =	0								
	ratum (Plot size: 30 ft. radius)									
1. 2.										
<u> </u>	1			Hydrophytic Vegetation Present? N						
5.										
4.										
	Total Cover =									
Remarks:	No vegetation is presently growing. The same	ple point is loca	ated in a recent	ly harvested soybean field.						
Additional Remarks:										