WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/03/14
Applicant:										County:	Polk
Investigators: JLS/SAM				Subregion (MLRA or LRR): MLRA 56						State:	MN
Soil Unit:	712						I Classification	:		-	
Landform:	Shoulder				Local Relie	-				Sample Point	u-150n40w24-a1
Slope (%):	16 - 25%		Latitude: 47.			de: -95.730		Datum:			
		nditions on the site							□ No	Section:	
Are Vegetatio	on Ļ Soil	, or Hydrology		tly disturbe	ed?	Are	e normal circur	•	esent?	Township:	5
Are Vegetatio		C or Hydrology		roblematic	??		⊡ Yes	□No		Range:	Dir:
SUMMARY C			No						- Dressert	NI-	
Hydrophytic Vegetation Present? Wetland Hydrology Present?							Hydric Soils Present? Is This Sampling Poir				
Remarks:			No		arazod pact	ure on the	chouldor of a r	is this Sar	npling Poir		etland? No ted by smooth brome.
Remarks.		sample point is lot		euge of a	grazeu pasi		Shoulder of a f		in. vegetati		ted by smooth brome.
HYDROLOG	V										
		icators (Check all	that apply;	Minimum o	of one prima	ry or two s	econdary requi	red):	<u> </u>		
Primary:	A1 - Surface \	Notor			🔲 B11 - Sa	olt Cruct			Secondary:	B6 - Surface S	Coll Crooke
	A2 - High Wa					quatic Fauna					Vegetated Concave Surface
	A3 - Saturatio					drogen Sulfid				B10 - Drainag	e Patterns
	B1 - Water M					Season Wa					Rhizospheres on Living Roots (tilled
	B2 - Sedimen B3 - Drift Dep					idized Rhizos	spheres on Living	Roots (not till		C8 - Crayfish	Burrows n Visible on Aerial Imagery
	B4 - Algal Ma				C7 - Thi					D2 - Geomorp	
	B5 - Iron Dep				D Other (E					D5 - FAC-Neu	tral Test
		n Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-St	ained Leaves									
E : 11 OI											
Field Observ			_		<i>(</i> ,)						
Surface Wate		_		oth:	(in.)			Wetland H	lydrology	Present?	Ν
Water Table		Yes		oth:	(in.)				, ,,		<u> </u>
Saturation Pr	resent?	Yes 🛛	Dep	oth:	(in.)						
Describe Reco		stream gauge, moni	-				if available:				
Describe Reco Remarks:		stream gauge, moni or secondary indic	-				if available:				
Remarks:			-				if available:				
Remarks: SOILS	No primary	or secondary indic	cators of wet	land hydro	logy were o	bserved.					
Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to doo	land hydro	logy were o	bserved.	e absence of ir				
Remarks: SOILS Profile Descri	No primary	or secondary indic	eeded to doo	land hydro	logy were o	bserved.	e absence of ir				
Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	eeded to doo	land hydro	logy were o	confirm th	e absence of ir ore Lining, M=Mat				
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	eeded to doc atrix, CS=Cove	ument the	indicator or and Grains; Lo	bserved. confirm th potion: PL=P Mottle	e absence of ir ore Lining, M=Mat	rix)	Texture		Remarks
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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)	eeded to doc atrix, CS=Cove	iland hydro sument the red/Coated S	indicator or iand Grains; Lo lor (Moist)	confirm th ccation: PL=P Mottle %	e absence of ir ore Lining, M=Mat	rix)			
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Indicators (ch ipedon	eeded to doc atrix, CS=Cove	Land hydro Lument the red/Coated S Co Co Co Co Co Co Co So So So So So So So So So S	logy were o indicator or and Grains; Lo lor (Moist)	confirm th scation: PL=P Mottle % ent):	e absence of ir ore Lining, M=Mat es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast		<u>c Soils¹</u> (LRR F, G, H)
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	No primary ption (Descri tration, D=Depi ic Soil Field A1- Histosol A2 - Histic Epi A3 - Black His A4 - Hydroge A5 - Stratified	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F)	eeded to doc atrix, CS=Cove	iland hydro iument the red/Coated S Co Co Co Co Co Co Co Co Co Co Co Co Co	logy were o indicator or and Grains; Lo lor (Moist) lor (Moist) are not preso dy Redox pped Matrix my Gleyed Ma leted Matrix	confirm th scation: PL=P Mottle % ent):	e absence of ir ore Lining, M=Mat es Type		Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressio ced Vertic	<u>c Soils1</u> (LRR F, G, H)
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-150n40w24-a1
VEGETATION	N (Species identified in all uppercase ar Plot size: 30 ft. radius)	e non-native	species.)		
	Species Name	% 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: 3 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 $x = 0$
	Total Cover =	0			FACW spp. 20 x 2 = 40
					FAC spp. <u>15</u> X 3 = <u>45</u>
	Stratum (Plot size: 15 ft. radius)				FACU spp. 20 x 4 = 80
1.	<u> </u>				UPL spp. 70 X 5 = 350
2.	<u> </u>				
3.	I				Total <u>125</u> (A) <u>515</u> (B)
4. 5.	I				Dravalance Index = D/A =
					Prevalence Index = B/A = <u>4.120</u>
6. 7.					
7. 8.					Hydrophytic Vagatation Indicators:
0. 9.					Hydrophytic Vegetation Indicators:
9. 10.	<u></u>				Rapid Test for Hydrophytic Vegetation Dominance Test is > 50%
10.	Total Cover =	0			Prevalence Index is ≤ 3.0 *
		0			Morphological Adaptations (Explain) *
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Bromus inermis	60	Y	UPL	
2.	Euthamia graminifolia	15	Ŷ	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Dactylis glomerata	15	Ŷ	FACU	present, unless disturbed or problematic.
4.	Carduus acanthoides	10	Ν	NI	Definitions of Vegetation Strata:
5.	Cirsium arvense	5	Ν	FACU	•
6	Thalictrum dasycarpum	5	Ν	FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Sonchus arvensis	5	Ν	FAC	height (DBH), regardless of height.
8.	Phalaris arundinacea	5	Ν	FACW	
9.	Zizia aurea	5	Ν	FAC	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	125			
	atum (Plot size: 30 ft. radius)				
1.					
2.	1				Hudronbutic Veretation Procent()
3. 5.	1				Hydrophytic Vegetation Present? N
5. 4.	<u> </u>				
4.	Total Cover =	0			
Remarks:	The vegetation is dominated by smooth bron		eaved and	denrod, ar	nd orchard grass.
		-, g. acc 1	90N		
Additional R	emarks:				