WETLAND DETERMINATION DATA FORM Great Plains Region

Soil Unit: Landform:	I59A Talf				Lo	cal Relief:		Classification:			Cample Daint	t: u-151n42w15-n2
Slope (%):	0 - 2%		Latitude:	47 905		Longitude:		336	Datum:		Sample Point	u-1511142W15-112
		nditions on the site								□No	Section:	
Are Vegetati		☐ or Hydrology				, , ,		e normal circum			Township:	
Are Vegetati		or Hydrology						Yes	□No		Range:	Dir:
SUMMARY (
Hydrophytic			_	No					Hydric Soil			
Wetland Hyd				No		مادام مانده	مرم الموريي ما	d in a flat area			nt Within A W	/etland? No
Remarks:	rne upiano	sample point is lo	cated ups	siope i	rom the roa	asiae aito	n wellan	d in a liat area	or a large ca	attie pastur	e.	
HYDROLOG	V											
		icatora (Chaok all	l that ann	he Mie	imum of on	o primarı	or two o	oondon, roqui	rad).			
Primary		icators (Check all	і шасарр	iy, iviii	illiulli oi oli	e primary	OI IWO S	econdary requi	eu).	Secondary:		
	A1 - Surface					B11 - Salt					B6 - Surface S	
	A2 - High Wa					B13 - Aqua						Vegetated Concave Surface
l H	A3 - Saturation B1 - Water M					C1 - Hydro C2 - Dry Se					B10 - Drainag C3 - Oxidized	Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	t Deposits				C3 - Oxidiz	ed Rhizos	spheres on Living	Roots (not till	. 🗖	C8 - Crayfish	Burrows
	B3 - Drift Dep B4 - Algal Ma					C4 - Prese C7 - Thin N					C9 - Saturatio D2 - Geomorr	on Visible on Aerial Imagery
	B5 - Iron Dep					Other (Exp		ace			D5 - FAC-Neu	
		on Visible on Aerial Im	nagery								D7 - Frost-He	aved Hummocks (LRR F)
	B9 - Water-St	tained Leaves										
Field Obser	vations:											
	er Present?	Yes 🔲		Depth:		(in.)						
Water Table		Yes 🗆							Wetland H	lydrology l	Present?	N
Saturation P	resent?	Yes \square		Depth:		(in.)						- -
Describe Rec	orded Data (s											
		stream daude, moni	itorina we	ıll. aeria	al photos, pre	evious insc	ections).	if available:				
Remarks:		stream gauge, moni						if available:				
		or secondary indic						if available:				
Remarks: SOILS	No primary	or secondary indic	cators of	wetlan	d hydrology	were obs	erved.					
Remarks: SOILS Profile Descr	No primary	or secondary indic	eeded to	wetlan docum	d hydrology	were obs	erved.	e absence of in				
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Remarks: SOILS Profile Descr	No primary	or secondary indic	eeded to	wetlan docum	d hydrology	were obs	erved.	e absence of in ore Lining, M=Matr				
Remarks: SOILS Profile Descr	No primary	or secondary indicates in the secondary indicates in the depth need in the second in the secondary indicates in the secondary ind	eeded to	wetlan docum	d hydrology	were obs cator or co Grains; Loca	erved. Onfirm the tion: PL=P	e absence of in ore Lining, M=Matr		Texture		Remarks
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Remarks: SOILS Profile Descr (Type: C=Conce	No primary	or secondary indicates	eeded to	wetlan docum Covered/	nent the indicated Sand (were obs cator or co Grains; Loca	erved. onfirm the tion: PL=P	e absence of in ore Lining, M=Matr es	ix)	Texture		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No primary	or secondary indicates	eeded to	wetlan docum Covered/	nent the indicated Sand (were obs cator or co Grains; Loca	erved. onfirm the tion: PL=P	e absence of in ore Lining, M=Matr es	ix)	Texture		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descri	or secondary indicates of the depth neetion, RM=Reduced M. Matrix Color (Moist)	eeded to eatrix, CS=C	docum Covered/ %	d hydrology nent the india (Coated Sand Coated Sand Sand Sand Sand Sand Sand Sand San	were obs	erved. onfirm thion: PL=Pi Mottle %	e absence of in ore Lining, M=Matr es Type	ix)	Texture		Remarks
Remarks: SOILS Profile Descr (Type: C=Conce	No primary	or secondary indicates of the depth neetion, RM=Reduced M. Matrix Color (Moist)	eeded to eatrix, CS=C	docum Covered/ %	nent the indicated Sand (were obs	erved. onfirm thion: PL=Pi Mottle %	e absence of in ore Lining, M=Matr es	ix)		for Droblometi	
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Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descrintration, D=Depl	or secondary indicators or secondary indicators ibe to the depth neetion, RM=Reduced Mineral Matrix Color (Moist) Indicators (chapter of the color indicators)	eeded to eatrix, CS=C	docum Covered/ %	nent the india Coated Sand (Color (I	were obs cator or co Grains; Loca Moist) Moist) oot presen edox Matrix	erved. onfirm the tion: PL=Pi Mottle %	e absence of in ore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast	luck (LRR I, J) Prairie Redox	ic Soils ¹ (LRR F, G, H)
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descrintration, D=Depl ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His	or secondary indicators in the depth neetion, RM=Reduced M. Matrix Color (Moist) Indicators (chairpedon etic	eeded to eatrix, CS=C	docum Covered/ %	d hydrology nent the india Coated Sand C Color (I cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M	were obs cator or cc Grains; Loca Moist) Moist) not presen edox Matrix lucky Minera	erved. onfirm thion: PL=Pi Mottle %	e absence of in ore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark Si	luck (LRR I, J) Prairie Redox urface (LRR G)	i <u>c Soils¹</u> (LRR F, G, H)
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descrintration, D=Depl ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	or secondary indicators ibe to the depth neetion, RM=Reduced M. Matrix Color (Moist) Indicators (chaipedon istic in Sulfide	eeded to eatrix, CS=C	docum Covered/ %	d hydrology nent the indi Coated Sand C Color (I cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G	were obs cator or co Grains; Loca Moist) not presen edox Matrix lucky Mineraleyed Matrix	erved. onfirm thion: PL=Pi Mottle %	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi	ic Soils ¹ (LRR F, G, H)
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Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descrintration, D=Depl A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogei A5 - Stratified A9 - 1 cm Mu A11 - Deplete	or secondary indicators (chapted in Sulfide Layers (LRR F) cd (LRR FGH) de Below Dark Surface	eeded to eeded to eatrix, CS=C	docum Covered/	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy G F3 - Depleted F7 - Depleted	Moist) Moist) Moist) Mot presen edox Matrix lucky Minera lleyed Matrix Matrix ark Surface Dark Surface	month of the control	e absence of in ore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Red uc TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material Shallow Dark S	ic Soils¹ (LRR F, G, H)) iONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descrintration, D=Depl A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D	or secondary indicators (chairpedon stice in Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface	eeded to eeded to eatrix, CS=C	docum Coveredate # if india	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) Moist) Motor presented with the presented was matrix larged Matrix Matrix matrix ark Surface park Surface pressions	erved. confirm th. tion: PL=Pr Mottle % tt):	e absence of in ore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Red uc TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ed Vertic Parent Material	ic Soils¹ (LRR F, G, H)) iONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descrintration, D=Depl A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick S1 - Sandy M S2 - 2.5 cm M	or secondary indicators (chapted in Sufficient Capted in Sufficient Capt	eeded to o atrix, CS=C	docum Coveredate # if india	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) Moist) Motor presented with the presented was matrix larged Matrix Matrix matrix ark Surface park Surface pressions	erved. confirm th. tion: PL=Pr Mottle % tt):	e absence of in ore Lining, M=Matr es Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S1 F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material Shallow Dark S ain in Remarks	ic Soils ¹ (LRR F, G, H)) ions (LRR H, outside MLRA 72, 73) Surface)
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Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descrintration, D=Depl A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogei A5 - Stratific A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm Mu S3 - 5 cm Mu S4 - Sandy G	or secondary indicators (chapted in the depth neetion, RM=Reduced M Matrix Color (Moist) Indicators (chapted in the depth neetion, RM=Reduced M Indicators (chapted in the depth neeting in	eeded to o atrix, CS=C	docum Coveredate # if india	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy G F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	Moist) Moist) Motor presented Matrix Matri	erved. confirm th. tion: PL=Pr Mottle % tt):	e absence of in one Lining, M=Matrices Type	Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Red uc TF2 - Red F TF12 - Very Other (Explainless disturbed)	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material Shallow Dark Sain in Remarks	ic Soils ¹ (LRR F, G, H)) ions (LRR H, outside MLRA 72, 73) Surface)
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descrintration, D=Depl A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge, A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G r Type:	or secondary indicators (chapted in inches in its color (Moist) Indicators (chapted in its color (Moist) Indicators (chapted in its color (IRR F)) Indi	eeded to of atrix, CS=C	docum Covered/ %	color (Inc.) S5 - Sandy R. S6 - Stripped F1 - Loamy M. F2 - Loamy M. F2 - Loamy M. F3 - Depleted F6 - Redox D. F7 - Depleted F8 - Redox D. F16 - High Pla Depth:	were obs cator or co Grains; Loca Moist) not presen edox Matrix lucky Minera leyed Matrix Matrix Matrix Sark Surface Dark Surface peressions ains Depres	erved. onfirm the fine PL=Pi Mottle % Nottle state of the fine PL=Pi which is the fine PL=Pi	e absence of in one Lining, M=Matrices Type Type RA 72, 73 of LRF	Location	Indicators 1 A9 - 1 cm M A16 - Coast F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi bed Vertic Parent Material Shallow Dark sin in Remarks unydrophytic vegeta ed or problematic.	ic Soils ¹ (LRR F, G, H)) ions (LRR H, outside MLRA 72, 73) Surface)

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w15-n2
VEGETATION	N (Species identified in all uppercase are	e non-native	species.)		
Tree Stratum (Plot size: 30 ft. radius)				
	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: 4 (B)
5.					Total Number of Bollinant Opecies Across All Strata(D)
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover =	0			FACW spp. 15 x 2 = 30
			_		FAC spp. 5 x 3 = 15
Cardina (Charde)	Charles (District AF francis)				ΓΑΟ ΝΑ - 10
	Stratum (Plot size: 15 ft. radius)				FACU spp. 85 x 4 = 340
1.					UPL spp. 0 x 5 = 0
2.					
3.					Total 105 (A) 385 (B)
4.					
5.					Prevalence Index = B/A = 3.667
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
					1
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Agrostis gigantea	15	Υ	FACW	
2.	Poa pratensis	15	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Phleum pratense	15	Y	FACU	present, unless disturbed or problematic.
				_	
4.	Elymus repens	15	Y	FACU	Definitions of Vegetation Strata:
5.	Symphyotrichum ericoides	10	N	FACU	_
6	Taraxacum officinale	10	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Trifolium hybridum	10	N	FACU	height (DBH), regardless of height.
8.	Melilotus officinalis	5	N	FACU	
9.	Cirsium arvense	5	N	FACU	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.	Plantago major	5	N	FAC	
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
					Herb = 7 iii Norsacceae (Nori Woody) plante, regulations of SEES.
13.					-
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	105	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.	,				
2.				_	
3.					Hydrophytic Vegetation Present? N
				_	nyurophytic vegetation Fresents N
5.					
4.					
	Total Cover =	0			
Remarks:	The vegetation is dominated by non-hydroph	ytic specie	S.		
Additional	Pomarke:				
Additional R	temarks:				