WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:										Date: County:	09/24/14		
Applicant:				Cultura giana (MIDA and DD).							Pennington		
Investigators Soil Unit:	: I69A	BJC/RAJ		Subregion (MLRA or LRR): MLRA 56 NWI Classification:							MN		
Landform:	Rise			Lo	cal Relief:		Classification			Sample Point:	u-154n44w34-e1		
Slope (%):	3 - 7%	Latitude	: 48.11		Longitude:		784	Datum:]			
Are climatic/h	hydrologic co	nditions on the site typica	d for this	s time of yea	ar? (If no, exp	olain in rema	ırks)	Yes	□ No	Section:			
Are Vegetation			disturbed?		Are	normal circun	-	esent?	Township:				
Are Vegetation			ally prob	olematic?			Yes	□ No		Range:	Dir:		
SUMMARY OF FINDINGS Hydrophytic Vegetation Present? No Hydric Soils Present? Yes													
Hydrophytic Vegetation Present? Wetland Hydrology Present?					_	Hydric Soils Present? Yes Is This Sampling Point Within A Wetland? No							
Wetland Hydrology Present? No Is This Sampling Point Within A Wetland? No Remarks: The upland sample point is located on a rise in a grassland dominated by big bluestem.													
HYDROLOGY													
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):													
Primary:	<u>:</u>						, ,	,	Secondary:				
□ A1 - Surface Water□ A2 - High Water Table					B11 - Salt B13 - Aqua					B6 - Surface S	Soil Cracks Vegetated Concave Surface		
	A3 - Saturatio				C1 - Hydro		e Odor			B10 - Drainage			
	B1 - Water Ma				C2 - Dry S	eason Wa	ter Table	-		C3 - Oxidized	Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen B3 - Drift Dep	•			C3 - Oxidiz C4 - Prese		pheres on Living	Roots (not till		C8 - Crayfish E	Burrows n Visible on Aerial Imagery		
	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp			
	B5 - Iron Depo				Other (Exp	lain)				D5 - FAC-Neu			
	B7 - Inundatio B9 - Water-St	n Visible on Aerial Imagery								D7 - Frost-Hea	aved Hummocks (LRR F)		
	Do Water Of	anica Ecaves											
Field Observ	vations:												
Surface Wate	er Present?	Yes	Depth:		(in.)			Wotland H	lydrology	Procent?	N		
Water Table		Yes	Depth:		(in.)		Wetland Hydrology Present? N				<u>—</u>		
Saturation Pr	resent?	Yes	Depth:		_ (in.)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Remarks: No indicators of wetland hydrology were observed.													
Remarks:	•				evious insp	ections),	if available:						
	•				evious insp	ections),	if available:						
SOILS	No indicator	s of wetland hydrology w	ere obs	erved.	·			idicators)					
SOILS Profile Descri	No indicator		ere obs	erved.	cator or co	onfirm the	e absence of ir						
SOILS Profile Descri	No indicator	be to the depth needed to	ere obs	erved.	cator or co	onfirm the	e absence of ir						
SOILS Profile Descri (Type: C=Concer	No indicator	be to the depth needed to etion, RM=Reduced Matrix	ere obs o docum -Covered	erved. nent the indicated Sand (cator or co	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)					
SOILS Profile Descri (Type: C=Concer	No indicator	be to the depth needed to the depth needed to the depth needed to the detion, RM=Reduced Matrix, CS= Matrix Color (Moist)	ere obs docum Covered %	erved.	cator or co	onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks		
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12	No indicator iption (Descri	be to the depth needed to etion, RM=Reduced Matrix Color (Moist) 2/1	o docum Covered % 100	erved. nent the indicated Sand (cator or co	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)	Texture				
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SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12	No indicator iption (Descri	be to the depth needed to etion, RM=Reduced Matrix Color (Moist) 2/1	o docum Covered % 100	erved. nent the indicated Sand (cator or co	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	ix)	Texture C C	Large amounts of			
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SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18	No indicator iption (Descri	be to the depth needed to etion, RM=Reduced Matrix. Matrix Color (Moist) 2/1 6/2	% 100 100	erved. nent the indicated Sand Control (Inc.)	cator or co	Mottle	e absence of in ore Lining, M=Matr	ix)	Texture C C	Large amounts of			
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SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18	No indicator iption (Descri	be to the depth needed to etion, RM=Reduced Matrix. Matrix Color (Moist) 2/1 6/2	% 100 100 re if ind	erved. nent the individual (Coated Sand Coated Sand Color (Incident)) Color (Incident) icators are respectively.	cator or co Grains; Loca Moist) Moist) not presen	Mottle	e absence of in ore Lining, M=Matr es Type	Location	C C Indicators f A9 - 1 cm M	for Problematio	gravel present		
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/2 Indicators (check he	% 100 100 re if ind	coated Sand Coated Sand Coated Sand Coated Sand Color (I	cator or co Grains; Loca Moist) Moist) not presen edox Matrix	Mottle %	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast	for Problemation	gravel present		
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/2 Indicators (check he	% 100 100 re if ind	coated Sand Coated Sand Coated Sand Color (Incomplete Color (Incomplete Color Sandy Research San	cator or co Grains; Loca Moist) not presented a matrix Matrix Miner	Mottle % tion: PL=Po	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S	for Problemation luck (LRR I, J) Prairie Redox (urface (LRR G)	c Soils ¹		
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/2 Indicators (check he ipedon etic of Sulfide	% 100 100 re if ind	coated Sand Coated Sand Coated Sand Color (I	Cator or co Grains; Loca Moist) Noist) not presen edox Matrix Mucky Miner Bleyed Matri	Mottle % tion: PL=Po	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S	For Problemation Iuck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression	gravel present		
Depth (In.) 0-12 12-18 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mur	be to the depth needed to etion, RM=Reduced Matrix. Color (Moist) 2/1 6/2 Indicators (check he bedon tick of Sulfide Layers (LRR F) ck (LRR FGH)	% 100 100 re if ind	coated Sand Coated Sand Coated Sand Coated Sand Color (Incomplete Coated Sand	Cator or co Grains; Loca Moist) Moist) not presen edox Matrix Mucky Miner Bleyed Matri I Matrix ark Surface	mottle Mottle % t):	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S6 F16 - High F F18 - Reduct TF2 - Red P	For Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material	c Soils ¹ (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)		
SOILS Profile Descri (Type: C=Concer Depth (In.) 0-12 12-18 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Deplete	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/2 Indicators (check he depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/2	% 100 100 re if ind	coated Sand Coated Sand Coated Sand Color (Incomplete Sand Sand Sand Sand Sand Sand Sand Sand	Cator or co Grains; Loca Moist) Moist) not presen edox Matrix Mucky Miner Gleyed Matri I Matrix ark Surface	mottle Mottle % t):	e absence of in ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	For Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S	c Soils ¹ (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)		
Depth (In.) 0-12 12-18 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Deplete A12 - Thick D	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/2 Indicators (check he dipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ark Surface	% 100 100 re if ind	coated Sand Coated Sand Coated Sand Coated Sand Color (Incomplete Coated Sand Color (Incomplete Coated Sand Coated	Cator or co Grains; Loca Moist) Moist) not presen edox Matrix Mucky Miner Gleyed Matri I Matrix ark Surface I Dark Surface epressions	Mottle % tion: PL=Po	e absence of incore Lining, M=Matroes Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	For Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material	c Soils ¹ (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-154n44w34-e1
					·
VEGETATION	N (Species identified in all uppercase a	re non-native	species.)		
Tree Stratum (Plot size: 30 ft. radius)				
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.		-			
2.		<u> </u>			Number of Dominant Species that are OBL, FACW, or FAC:(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: (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp 0
	Total Cover =	= 0	FACW spp. $0 x 2 = 0$		
					FAC spp. $\underline{\qquad}$ $X 3 = \underline{\qquad}$ $\underline{\qquad}$ 15
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				OBL spp. 0
1.					UPL spp. $0 X 5 = 0$
2.					
3.					Total 100 (A) 395 (B)
4.					
5.					Prevalence Index = B/A = 3.950
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
	Total Cover =	0			Prevalence Index is ≤ 3.0 *
			_		Morphological Adaptations (Explain) *
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Andropogon gerardii	90	Υ	FACU	
2.	Symphyotrichum ericoides	5	N	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Apocynum cannabinum	5	N	FAC	present, unless disturbed or problematic.
4.	· posynam camazanam				Definitions of Vegetation Strata:
5.				_	
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.					- Capinig, Cin ab
11.					-
12.				-	Herb - All herbaceous (non-woody) plants, regardless of size.
13.					File D = 7 in Herbassas (Herr wesay) plante, regardless of 6/25.
14.					-
					Woody Vince All woody vines regardless of height
15.	Tatal Ossan	400			Woody Vines - All woody vines, regardless of height.
	Total Cover =	= 100	_		
Woody Vine Str	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present?N
5.		-			
4.					
	Total Cover =				
Remarks:	The upland sample point is dominated by bi	ig bluestem.			
Additional R	Remarks:				
I					