WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant: Investigators Soil Unit: Landform:	ors: KRG/NTT I65A Talf				.ocal Relief:	NW : <mark>VL</mark>	A or LRR): I Classification			Date:06/24/14County:MarshallState:MNSample Point:u-156n46w28-a1		
Slope (%): Are climatic/l Are Vegetation Are Vegetation	on 🛛 Soi	nditions on the sit □, or Hydrology □, or Hydrology	□significant	his time of ye ly disturbed?		plain in rem		Datum: ☑ Yes nstances pre □ No	□ No	Section: Township: Range: Dir:		
SUMMARY C												
Hydrophytic '	Vegetation P	resent?	No					Hydric Soi	Is Present?	No		
Wetland Hyd			No				Is This Sampling Point Within A Wetland? No					
Remarks:	The upland	point is located w	ithin an agric	ultural field p	planted in so	bybeans.						
	V											
HYDROLOGY Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required): Primary: A1 - Surface Water B11 - Salt Crust B6 - Surface Soil Cracks A2 - High Water Table B13 - Aquatic Fauna B8 - Sparsely Vegetated Concave Surface A3 - Saturation C1 - Hydrogen Sulfide Odor B10 - Drainage Patterns B2 - Sediment Deposits C2 - Dry Season Water Table C3 - Oxidized Rhizospheres on Living Roots (not tille B3 - Drift Deposits C4 - Presence of Reduced Iron C9 - Saturation Visible on Aerial Imagery B5 - Iron Deposits Other (Explain) D2 - Geomorphic Position B7 - Inundation Visible on Aerial Imagery D5 - FAC-Neutral Test B7 - Inundation Visible on Aerial Imagery D7 - Frost-Heaved Hummocks (LRR F)												
Field Observations: Surface Water Present? Yes Depth: (in.) Water Table Present? Yes Depth: (in.) Saturation Present? Yes Depth: (in.) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Metland Hydrology Present? Remarks: No indicators of wetland hydrology were observed.												
SOILS Profile Description (Describe to the depth needed to document the indicator or confirm the absence of indicators.) (Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered/Coated Sand Grains; Location: PL=Pore Lining, M=Matrix)												
	- <u>-</u>					Matt				1		
Dopth (In)		Matrix Color (Moist)	%	Color	(Moist)	Mottl		Location	Texture	Remarks		
Depth (In.) 0-14	Hue_10YR		10			70	Туре	Location	SCL	Remarks		
14-18	Hue_10YR		10						FS			
		0/2		<u> </u>								
NRCS Hydr	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 Mu S3 - 5 cm Mu S4 - Sandy G	ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) ed Below Dark Surfac ark Surface ucky Mineral fucky Peat or Peat (L cky Peat or Peat (LR	:e .RR G, H)	S5 - Sandy RedoxA9 - 1 cmS6 - Stripped MatrixA16 - CosF1 - Loamy Mucky MineralS7 - DarkF2 - Loamy Gleyed MatrixF16 - HigF3 - Depleted MatrixF16 - HigF6 - Redox Dark SurfaceTF2 - RedoxF7 - Depleted Dark SurfaceTF12 - VeF8 - Redox DepressionsOther (ExF16 - High Plains Depressions (MLRA 72, 73 of LRR H)						Tor Problematic Soils ¹ luck (LRR I, J) Prairie Redox (LRR F, G, H) urface (LRR G) Plains Depressions (LRR H, outisde MLRA 72, 73) ced Vertic Parent Material Shallow Dark Surface ain in Remarks) hydrophytic vegetation and wetland hydrology must be present, ed or problematic.		
Restrictive Laye	r Type:			Dept	h:		Hydric So	Hydric Soil Present? N				
Remarks: No hydric soil indicators were observed. Soils are sandy clay loam over fine sand.												

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Project/Site:	L3R				Sample Point: u-156n46w28-a1				
VEGETATIO		e non-native	species.)						
Tree Stratum ((Plot size: 30 ft. radius)								
	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC: <u>1</u> (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: 2 (B)				
5.									
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp.0x1 =0FACW spp.0x2 =0FAC spp.5x3 =15FACU spp.0x4 =0				
1	Total Cover =	0	_		FACW spp. 0 $X 2 = 0$				
					FAC spp. 5 $X 3 = 15$				
	Stratum (Plot size: 15 ft. radius)				FACU spp X $4 = $				
1.					UPL spp. 10 X 5 = 50				
2.									
3.					Total <u>15</u> (A) <u>65</u> (B)				
4.									
5.					Prevalence Index = B/A = <u>4.333</u>				
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 (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Glycine max	10	Y	NI					
2.	Equisetum arvense	5	Y	FAC	* Indicators of hydric soil and wetland hydrology must be				
3.					present, unless disturbed or problematic.				
4.					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.					1				
11.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.					1				
14.	Í								
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	15							
			—						
Woody Vine St	tratum (Plot size: 30 ft. radius)								
1.									
2.	1								
3.	1				Hydrophytic Vegetation Present? N				
5.	-								
4.									
<u>т.</u>	Total Cover =	0							
Remarks: Vegetation consists of sparsely planted young soybean seedlings.									
Tomano. Vegetation consists of sparsely planted young soybean seedlings.									
									
	_ .								
Additional R	Remarks:								