## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant: Investigators Soil Unit: Landform:	l69A Talf		Subregion (MLRA or LRR): MLRA 56 NWI Classification: Local Relief: LL							Date:09/18/14County:PenningtonState:MNSample Point:u-154n44w3	 33-t1		
Slope (%):	0 - 2%	B.1156705 Longitude: -96.3159						Section:					
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       Image: No       Section:         Are Vegetation       Image: Soil       Image: Soil <th></th>													
								Range: Dir:					
SUMMARY OF FINDINGS													
					No				Hydric Soils Present? No				
Wetland Hydrology Present? No Remarks: The upland sample point is a bayfield log											int Within A Wetland? <b>No</b>		
Remarks: The upland sample point is a hayfield located upslope from a hardwood swamp.													
HYDROLOG	Y												
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required):          Primary:       B11 - Salt Crust         A1 - Surface Water       B11 - Salt Crust													
A1 - Surface Water       B11 - Surface Water       B11 - Surface Water         A2 - High Water Table       B13 - Aquatic Fauna       B8 - Sparsely Vegetade Concave Surface         A3 - Saturation       C1 - Hydrogen Sulfide Odor       B10 - Drainage Patterns         B1 - Water Marks       C2 - Dry Season Water Table       C3 - Oxidized Rhizospheres on Living Roots (not tille         B2 - Sediment Deposits       C3 - Oxidized Rhizospheres on Living Roots (not tille       C8 - Crayfish Burrows         B3 - Drift Deposits       C7 - Thin Muck Surface       D2 - Geomorphic Position         B5 - Iron Deposits       Other (Explain)       D5 - FAC-Neutral Test         B7 - Inundation Visible on Aerial Imagery       Other (Explain)       D7 - Frost-Heaved Hummocks (LRR F)         B9 - Water-Stained Leaves       B9 - Water-Stained Leaves       D7 - Frost-Heaved Hummocks (LRR F)									n Living Roots (tilled) al Imagery				
Field Observ	vations:												
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:													
Remarks: No primary or secondary hydrological indicators were observed.													
SOILS Profile Descri	ntion (Descri	be to the depth ne	eded to doo	cumen	t the indi	cator or co	onfirm th	e absence of ir	ndicators)				
		etion, RM=Reduced Ma											
	T	N A - Luis					N 4 - (1)						
Dopth (In)		Matrix Color (Moist)	0	%	Color (I	Maiat)	Mottl %		Location	Toyturo	Remark		
Depth (In.) 0-10	Hue_10YR	<u>2/1</u>		00			70	Туре	LUCATION	Texture CL	Reillaik	5	
10-14	Hue_10YR			00						C			
14-20	Hue_5Y	6/2			ue_10YR	6/8	15	С	Μ	SIC			
NRCS Hydric Soil Field Indicators       (check here if indicators are not present):       Image: Standy Redox         A1- Histosol       S5 - Sandy Redox       A9 - 1 cm Muck (LRR I, J)													
	<ul> <li>A2 - Histic Epipedon</li> <li>A3 - Black Histic</li> <li>A4 - Hydrogen Sulfide</li> <li>A5 - Stratified Layers (LRR F)</li> <li>A9 - 1 cm Muck (LRR FGH)</li> <li>A11 - Depleted Below Dark Surface</li> <li>A12 - Thick Dark Surface</li> <li>S1 - Sandy Mucky Mineral</li> </ul>				<ul> <li>S6 - Stripped Matrix</li> <li>F1 - Loamy Mucky Mineral</li> <li>F2 - Loamy Gleyed Matrix</li> <li>F3 - Depleted Matrix</li> <li>F6 - Redox Dark Surface</li> <li>F7 - Depleted Dark Surface</li> <li>F8 - Redox Depressions</li> <li>F16 - High Plains Depressions (MLRA 72, 73 of LRR H)</li> </ul>								
	S3 - 5 cm Mu	<ul> <li>- 2.5 cm Mucky Peat or Peat (LRR G, H)</li> <li>- 5 cm Mucky Peat or Peat (LRR F)</li> <li>- Sandy Gleyed Matrix</li> </ul>											
Restrictive Layer	т Туре:			Depth:				Hydric Soil Present? N					
Remarks: Soil is a layer of dark clay loam underlain by a slightly lighter layer of clay. The bottom layer is a light silty clay. Soil does not meet any hydric indicators.													

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Project/Site:	L3R				Sample Point: u-154n44w33-t1					
		are non-native	species.)							
Tree Stratum	(Plot size: 30 ft. radius) <u>Species Name</u>	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet					
1.		<u>% Cover</u>	<u>Dominant</u>	Ind.Status						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (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: 0.0% (A/B)					
7.	_]									
8.	J				Prevalence Index Worksheet					
9.					Total % Cover of: Multiply by:					
10.										
10.	 Total Cover	= 0			OBL spp.       0       x       1 =       0         FACW spp.       20       x       2 =       40         FAC spp.       15       x       3 =       45					
			FAC spp. 20 X 2 = 40							
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 90 x 4 = 360					
1.					$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
2.										
3.					 Total 125 (A) 445 (B)					
4.										
5.					Prevalence Index = B/A = <b>3.560</b>					
6.										
7.					-					
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Napid Yest for Hydrophytic Vegetation Dominance Test is > 50%					
10.	Total Cover = 0				$\underline{\qquad} \qquad $					
Harb Stratum (	Plot size: 5 ft. radius)				Morphological Adaptations (Explain) *					
nero Stratum ( 1.	Lotus corniculatus	50	V	FACU	Problem Hydrophytic Vegetation (Explain) *					
2.			<u>- т</u> Ү	FACU						
3.	Elymus repens	30	N N	FACU						
	Agrostis gigantea	20 15	N	FAC	Definitions of Vegetation Strata:					
<u>4.</u> 5.	Solidago gigantea	10	N	FACU						
6	Phleum pratense		IN	1700						
7.	I				<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
8.	I				_					
9.					<b>Sapling/Shrub</b> - Woody plants less than 3 in. DBH, regardless of height.					
<u> </u>					Sapling/Shrub - woody plants less than 3 in. DBH, regardless of height.					
11.	1				-					
	1	=			Herb - All herbaceous (non-woody) plants, regardless of size.					
12. 13.	1	1								
13.	1									
14.	1				Woody Vines - All woody vines, regardless of height.					
15.	Total Cover	- 125								
	Total Cover	= 125	_							
	ratum (Plot size: 30 ft. radius)				-					
2.	<u> </u>	1								
3.	1				Hydrophytic Vocatation Brasant?					
	1				Hydrophytic Vegetation Present? N					
<u>5.</u> 4.	1	1								
4.	Total Cover	= 0								
Remarks: The upland sample point is dominated by bird's-foot trefoil and quack grass.										
Tremarks. The upland sample point is dominated by bird should refor and quack glass.										
Additional F	Remarks:									