WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: Applicant: Investigators Soil Unit:	icant: Enbri stigators: KRG		R bridge RG/NTT			Subregio	•	or LRR): Classification:	MLRA 56		Date: County: State:	07/29/14 Marshall MN	
Landform:	Shoulder					cal Relief:					Sample Point	: <mark>u-158n48w36-b1</mark>	
Slope (%):	8 - 15%	nditions on the si	Latitude:			Longitude:			Datum: ☑ Yes	□ No	Section:		
Are Vegetation		□, or Hydrology				al : (ir no, exp		e normal circun			Township:		
Are Vegetation		□, or Hydrology	•				7.10	⊠ Yes		500111	Range:	Dir:	
SUMMARY C				71							5		
Hydrophytic	Vegetation P	resent?	_	No		_			Hydric Soil	s Present?	No		
	Wetland Hydrology Present? No Is This Sampling Point Within A Wetland? No												
Remarks: The upland point is located on a hillside between a roadside ditch wetland and an agricultural field planted in soybeans. Vegetation is dominated by Kentucky bluegrass.													
HYDROLOG	Y												
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required): Primary:									Vegetated Concave Surface e Patterns Rhizospheres on Living Roots (tilled) Burrows n Visible on Aerial Imagery phic Position utral Test				
Field Observ	vations:												
Surface Water Present?YesDDWater Table Present?YesDD				Depth: Depth: Depth:		(in.) (in.) (in.)		Wetland Hydrology Present? N					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Remarks: No indicators of wetland hydrology were observed.													
SOILS													
	ption (Descri	be to the depth n	eeded to	docum	nent the indi	cator or co	onfirm the	e absence of ir	dicators.)				
(Type: C=Concer	ntration, D=Depl	etion, RM=Reduced M	latrix, CS=C	Covered	Coated Sand (Grains; Loca	tion: PL=P	ore Lining, M=Matr	ix)				
		Matrix					Matth						
Depth (In.)		Matrix Color (Moist)		%	Color (I	(Joiet)	Mottle %	es Type	Location	Texture		Remarks	
Deptir (iii.)				70			70	туре	LUCATION	Texture		Remarks	
NRCS Hydr		Indicators (c	heck here		icators are r	•	t):				or Problemati	<u>c Soils¹</u>	
	A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surfac ark Surface ucky Mineral fucky Peat or Peat (LF	 S5 - Sandy Redox S6 - Stripped Matrix F1 - Loamy Mucky Mineral F2 - Loamy Gleyed Matrix F3 - Depleted Matrix F6 - Redox Dark Surface F7 - Depleted Dark Surface F8 - Redox Depressions F16 - High Plains Depressions (MLR 				 A9 - 1 cm Muck (LRR I, J) A16 - Coast Prairie Redox (LRR F, G, H) S7 - Dark Surface (LRR G) F16 - High Plains Depressions (LRR H, outside MLRA 72, 73) F18 - Reduced Vertic TF2 - Red Parent Material TF12 - Very Shallow Dark Surface Other (Explain in Remarks) 						
Restrictive Layer	yer Type:				Depth:			Hydric So	Hydric Soil Present? N				
Remarks: Soils were not sampled due to the proximity of buried utility lines. Soils are assumed to be hydric based on the upslope landscape position and lack of hydrophytic vegetation.													

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Project/Site:	L3R				Sample Point: u-158n48w36-b1			
		non-native	species.)					
Tree Stratum	(Plot size: 30 ft. radius) Species Name	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet			
1.		<u>/// Cover</u>	Dominant	<u>mu.status</u>				
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)			
3.								
4.	<u></u>				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.	J							
8.	J				Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by			
10.					$OBL spp. \qquad 0 \qquad x \ 1 = \qquad 0$			
	 Total Cover =	0			FACW spp. 0 x $2 = 0$			
	_		OBL spp. 0 x 1 = 0 FACW spp. 0 x 2 = 0 FAC spp. 0 x 3 = 0 FACU spp. 90 x 4 = 360					
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 90 x 4 = 360			
1.					UPL spp. 20 $x 5 = 100$			
2.								
3.					Total 110 (A) 460 (B)			
4.								
5.					Prevalence Index = $B/A = 4.182$			
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.	Poa pratensis	50	Y	FACU				
2.	Elymus repens	30	Y	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Bromus inermis	15	N	UPL	present, unless disturbed or problematic.			
4.	Solidago canadensis	5	Ν	FACU	Definitions of Vegetation Strata:			
5.	Trifolium pratense	5	Ν	FACU				
6	Tragopogon dubius	5	N	NI	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.								
11.								
12.					Herb - All herbaceous (non-woody) plants, regardless of size.			
13.					4			
14.								
15.	1				Woody Vines - All woody vines, regardless of height.			
	Total Cover = _	110	_					
Woody Vine St	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present? N			
5.								
4.	Trato	~						
Total Cover = 0								
Remarks: Vegetation is dominated by Kentucky bluegrass and wild rye, with smooth brome also common.								
Additional Remarks:								