WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								<u> </u>	06/26/14		
Applicant:					0.1	(NAL D.)	_	Marshall					
Investigators: KRG/NTT					Subregion (MLRA or LRR): MLRA 56 NWI Classification:					State: _I	<u>MN</u>		
Soil Unit: Landform:	I133A Side slope			_ ,	_ocal Relief		T Classification	•		Sample Point:	u-158n48w8-h1		
Slope (%):													
, ,		nditions on the site							□ No	Section:			
Are Vegetation		□, or Hydrology					e normal circur			Township:			
Are Vegetation			•	•				□ No		Range:	Dir:		
SUMMARY C	OF FINDINGS												
Hydrophytic \	Vegetation P	resent?	No			Hydric Soils Present? No							
Wetland Hydrology Present? No					Is This Sampling Poi					t Within A Wet	land? No		
Remarks: The upland point is located at the edge of an agricultural field planted in wheat.													
HYDROLOG		(0)											
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required): Primary: Secondary: 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 B1 - Water Marks C2 - Dry Season Water Table C3 - Oxidized Rhizospheres on Living Roots (not tilled) B2 - Sediment Deposits C3 - Oxidized Rhizospheres on Living Roots (not tilled) C8 - Crayfish Burrows B3 - Drift Deposits C4 - Presence of Reduced Iron C9 - Saturation Visible on Aerial Imagery B5 - Iron Deposits Other (Explain) D5 - FAC-Neutral Test B7 - Inundation Visible on Aerial Imagery D7 - Frost-Heaved Hummocks (LRR F)													
Field Observ Surface Wate Water Table Saturation Pr	er Present? Present?	Yes \square Yes \square	Dep Dep Dep	th:	(in.) (in.)			Wetland F	lydrology l	Present?	N_		
Describe Rec	<u>`</u>	stream gauge, monings of wetland hydro	itoring well, a	erial photos,	(in.) previous ins	pections)	, if available:						
Remarks:	<u>`</u>	stream gauge, moni	itoring well, a	erial photos,		pections)	, if available:						
Remarks:	No indicator	stream gauge, moni	itoring well, a	erial photos, poserved.	previous ins			ndicators.)					
Remarks: SOILS Profile Descri	No indicator	stream gauge, monings of wetland hydro	itoring well, a	erial photos, poserved.	previous ins	onfirm th	ne absence of ir						
Remarks: SOILS Profile Descri	No indicator	stream gauge, monings of wetland hydrous be to the depth ne etion, RM=Reduced Ma	itoring well, a	erial photos, poserved.	previous ins	onfirm th	ne absence of ir Pore Lining, M=Mat						
Remarks: SOILS Profile Descri (Type: C=Concer	No indicator	stream gauge, monings of wetland hydrouse to the depth netion, RM=Reduced Matrix	ology were o	erial photos, poserved. ument the intended content	previous ins	onfirm th ation: PL=P Mottl	ne absence of in Pore Lining, M=Mat	rix)					
Remarks: SOILS Profile Descri (Type: C=Concer	No indicator	stream gauge, monings of wetland hydrouseste to the depth ne etion, RM=Reduced Marix Color (Moist)	eeded to doc atrix, CS=Cove	erial photos, possible between the interest control co	previous ins	onfirm th	ne absence of ir Pore Lining, M=Mat		Texture		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10	No indicator iption (Descri	stream gauge, monings of wetland hydrouseste to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1	eeded to doc atrix, CS=Cove	erial photos, poserved. ument the intended Coated San	previous ins	onfirm th ation: PL=P Mottl	ne absence of in Pore Lining, M=Mat	rix)	Texture		Remarks		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10 10-18	iption (Descrintration, D=Depl	stream gauge, monitors of wetland hydrouse be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/1	eeded to doc atrix, CS=Cove	erial photos, poserved. ument the infed/Coated San	dicator or c d Grains; Loca	onfirm thation: PL=P	ne absence of in Pore Lining, M=Mat les Type	rix)	Texture C C		Remarks		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-10 10-18	Hue_10YR Hue_2.5Y Tic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger 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	stream gauge, monitors of wetland hydro be to the depth neterion, RM=Reduced Matrix Color (Moist) 2/1 4/1 Indicators (charter) ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) cd Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LRE leyed Matrix	eeded to docatrix, CS=Cove	crial photos, poserved. bserved. color of the infed/Coated Sandard S	dicator or c d Grains; Loca (Moist) e not preser Redox ed Matrix Mucky Mine Gleyed Matrix Colleged Matrix Co	onfirm the ation: PL=P Mottl % nt): ral rix e ace	ne absence of ir Pore Lining, M=Mateles Type LRA 72, 73 of LRI	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (LRI urface (LRR G) Plains Depressions ed Vertic Parent Material Shallow Dark Sui ain in Remarks)	Soils ¹ R F, G, H) S (LRR H, outisde MLRA 72, 73)		

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-158n48w8-b1
VEGETATIO	N (Species identified in all uppercase ar	re non-native	species.)		
	(Plot size: 30 ft. radius)	o nom nam o	Specios .,		
_	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					N
2. 3.					Number of Dominant Species that are OBL, FACW, or FAC:(A)
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					· · · · · · · · · · · · · · · · · · ·
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9. 10.					I otal % Cover of: Multiply by:
10.	_l Total Cover =	0			Prevalence Index Worksheet Total % Cover of: Multiply by: OBL spp. 0 X 1 = 0 FACW spp. 0 X 2 = 0 FAC spp. 2 X 3 = 6 FACU spp. 2 X 4 = 8 UPL spp. 85 X 5 = 425
	1000 -		_		FAC spp. $\frac{1}{2}$ $\frac{1}{$
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp x 4 =8
1.					UPL spp. 85 $x 5 = 425$
2.					
3. 4.					Total 89 (A) 439 (B)
5.					Prevalence Index = B/A = 4.933
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.	_l Total Cover =	0			Dominance Test is > 50% Prevalence Index is ≤ 3.0 *
	rotal cover =		_		Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Triticum aestivum	85	Υ	NI	
2.	Fallopia convolvulus	2	N	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Chenopodium glaucum	2	N	FAC	present, unless disturbed or problematic.
<u>4.</u> 5.					Definitions of Vegetation Strata:
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.					
11. 12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.				_	TIEFD - 7 III No. 12 access (No. 11 Westay) Plantes, 1 egal alless of 6.25.
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	89	_		
	(5)				
Woody Vine St	ratum (Plot size: 30 ft. radius)				
2.					
3.					Hydrophytic Vegetation Present? N
5.					
4.	T				
Domorko	Total Cover =				
Remarks:	The upland vegetation is dominated by plant	ieu wiieal.			
Additional F	Remarks:				