WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/22/14		
Applicant:					0 1 .	/A 41 D /	County:	Marshall					
Investigators	•						,	MLRA 56		State:	MN		
Soil Unit: Landform:	I57B Talf				scal Paliaf		I Classification	:		Comple Boin	155p/5w20-f1		
Landform: Talf Local Relief: LL Sample Point: u-155n45w20-f1 Slope (%): 0 - 2% Latitude: 48.2335306 Longitude: -96.46272839 Datum:													
. ,		nditions on the site typica						✓ Yes	□ No	Section:			
Are Vegetation				disturbed?	C. 1 (11 110, 0)	1	e normal circun			Township:			
Are Vegetation			olematic?		'"	✓ Yes	□ No		Range:	Dir:			
SUMMARY C			, , , , , ,							J.			
Hydrophytic \			No					Hydric Soi	Is Present?	No			
Wetland Hydrology Present?				No			Is This Sampling Poir				/etland? No		
Remarks: The upland sample point is dominated by intermediate wheat grass and rigid goldenrod. The site is upslope from a wet meadow/hardwood swamp wetland complex.													
HYDROLOG'	•												
Wetland Hv	drology Ind	icators (Check all that ar	polv: Mir	nimum of or	ne primary	or two s	econdarv requi	red):					
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required): <u>Primary:</u> <u>Secondary:</u>													
	A1 - Surface \				B11 - Salt					B6 - Surface			
	G				B13 - Aqua						Vegetated Concave Surface		
	A3 - Saturatio B1 - Water Ma				C1 - Hydro C2 - Dry S					B10 - Drainag	Rhizospheres on Living Roots (tilled		
	B2 - Sedimen							Roots (not till	le 🗆	C8 - Crayfish			
	□ B3 - Drift Deposits □ C4 - Presence of Reduced Iron □ C9 - Saturation Visible on Aerial Imagery												
	□ B4 - Algal Mat or Crust □ C7 - Thin Muck Surface □ D2 - Geomorphic Position												
	B5 - Iron Depo				Other (Exp	olain)				D5 - FAC-Net			
□ B7 - Inundation Visible on Aerial Imagery □ D7 - Frost-Heaved Hummocks (LRR F) □ B9 - Water-Stained Leaves													
Field Observ	vations:												
Surface Wate	er Present?	Yes □	Depth:		(in.)			Matland		D	N.I.		
Water Table	Present?	Yes □	Depth:		– (in.)			wetiand F	lydrology l	Present?	N		
Saturation Present? Yes Depth: (in.)													
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Rec	orded Data (s	stream gauge, monitoring v				ections).	if available:						
	<u>`</u>		vell, aeri	al photos, p	evious insp	pections),	, if available:						
Describe Reco	<u>`</u>	stream gauge, monitoring vor secondary hydrologica	vell, aeri	al photos, p	evious insp	pections),	, if available:						
Remarks:	No primary	or secondary hydrologica	vell, aerial Il indicat	al photos, pi tors were o	revious insposerved.								
Remarks: SOILS Profile Descri	No primary	or secondary hydrologica	vell, aerial indicat	al photos, potors were of	revious insposerved.	onfirm th	e absence of ir						
Remarks: SOILS Profile Descri	No primary	or secondary hydrologica	vell, aerial indicat	al photos, potors were of	revious insposerved.	onfirm th	e absence of ir						
Remarks: SOILS Profile Descri	No primary	or secondary hydrological be to the depth needed to etion, RM=Reduced Matrix, CS:	vell, aerial indicat	al photos, potors were of	revious insposerved.	onfirm th	e absence of ir ore Lining, M=Mati						
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary hydrological be to the depth needed to etion, RM=Reduced Matrix, CS:	vell, aeri	al photos, potential photos, potent the induction of the	revious insposerved. icator or co	onfirm th tion: PL=P Mottl	e absence of in ore Lining, M=Matr	rix)	Taytura		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer	No primary iption (Descri	or secondary hydrological be to the depth needed to etion, RM=Reduced Matrix, CS: Matrix Color (Moist)	vell, aerial indicato docum	al photos, potors were of	revious insposerved. icator or co	onfirm th	e absence of ir ore Lining, M=Mati		Texture		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7	No primary iption (Descri	be to the depth needed to etion, RM=Reduced Matrix, CS: Matrix Color (Moist) 2/1	vell, aerial indicate of documers of documers of the covered of th	al photos, potential photos, potent the induction of the	revious insposerved. icator or co	onfirm th tion: PL=P Mottl	e absence of in ore Lining, M=Matr	rix)	SL		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer	No primary iption (Descri	be to the depth needed to etion, RM=Reduced Matrix, CS: Matrix Color (Moist) 2/1	vell, aerial indicato docum	al photos, potential photos, potent the induction of the	revious insposerved. icator or co	onfirm th tion: PL=P Mottl	e absence of in ore Lining, M=Matr	rix)			Remarks		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7	No primary iption (Descri	be to the depth needed to etion, RM=Reduced Matrix, CS: Matrix Color (Moist) 2/1	vell, aerial indicate of documers of documers of the covered of th	al photos, potential photos, potent the independent the indepe	revious insposerved. icator or co	onfirm th tion: PL=P Mottl	e absence of in ore Lining, M=Matr	rix)	SL		Remarks		
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7 7-18	No primary iption (Descri	be to the depth needed to etion, RM=Reduced Matrix. Color (Moist) 2/1 2/1	well, aerial indicated of documerate of the series of the	al photos, protors were of the independent the independent control (Coated Sand)	revious insposerved. icator or congrains; Locations; L	onfirm th	e absence of in Fore Lining, M=Mate es Type	rix)	SL		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7 7-18	No primary iption (Descri	be to the depth needed to etion, RM=Reduced Matrix. Color (Moist) 2/1 2/1	well, aerial indicated of documerate of the series of the	al photos, potential photos, potent the independent the indepe	revious insposerved. icator or congrains; Locations; L	onfirm th	e absence of in ore Lining, M=Matr	rix)	SL LCOS	for Problemat	_		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7 7-18 NRCS Hydr	No primary iption (Descrintration, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR Fic Soil Field	be to the depth needed to etion, RM=Reduced Matrix. Color (Moist) 2/1 2/1	well, aerial indicated of documerovered. % 100 100 re if indicated of the	al photos, protections were of the independent the independent control of t	revious insposerved. icator or configurations; Locations; Locatio	onfirm th	e absence of in Fore Lining, M=Mate es Type	Location	SL LCOS	or Problemati	ic Soils ¹		
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-7 7-18	No primary iption (Descrintration, D=Depleted Primary) Hue_10YR Hue_10YR Hue_10YR A1- Histosol	be to the depth needed to etion, RM=Reduced Matrix, CS: Matrix Color (Moist) 2/1 2/1 Indicators (check he	well, aerial indicated of documers of documers of the second of the seco	al photos, protors were of the index of the	revious insposerved. icator or congrains; Loca (Moist) not presented.	onfirm th	e absence of in Fore Lining, M=Mate es Type	Location	SL LCOS Indicators f A9 - 1 cm M	luck (LRR I, J)	ic Soils ¹		
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site	: L3R				Sample Point: u-155n45w20-f1				
VEGETATIO	(Species identified in all uppercase are	e non-native	species.)						
Tree Stratum	(Plot size: 30 ft. radius)								
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet				
1.									
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.					(742)				
8.					Prevalence Index Worksheet				
9.									
10.					Total % Cover of: Multiply by:				
10.	Total Cover				OBL spp.				
	Total Cover =	0	FACW spp. $0 \times 2 = 0$						
					OBL spp. 0				
	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 $x = 4$ 200				
1.					UPL spp. $_{}$ 50				
2.									
3.					Total 100 (A) 450 (B)				
4.									
5.					Prevalence Index = B/A = 4.500				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					Dominance Test is > 50%				
10.		0			Prevalence Index is ≤ 3.0 *				
	Total Cover	U	_						
_					Morphological Adaptations (Explain) *				
	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Thinopyrum intermedium	40	Υ	NI					
2.	Oligoneuron rigidum	30	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Solidago nemoralis	10	N	NI	present, unless disturbed or problematic.				
4.	Symphyotrichum ericoides	5	N	FACU	Definitions of Vegetation Strata:				
5.	Melilotus officinalis	5	N	FACU					
6	Ambrosia artemisiifolia	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Lotus corniculatus	5	N	FACU	height (DBH), regardless of height.				
8.									
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.									
11.									
					Herb - All herbaceous (non-woody) plants, regardless of size.				
12.					Herb - All Herbaceous (Horr-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	100	_						
Woody Vine S	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.									
4.	Total Cover								
Damaria	Total Cover =	0							
Remarks:	The sample point is dominated by intermedia	ite wheatg	rass and r	igid golde	nrod.				
Additional Remarks:									
1									