WETLAND DETERMINATION DATA FORM Great Plains Region

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Project/Site:		L3R								Date:	06/28/14										
Applicant:										County:	Kittson										
Investigators				Subregion (MLRA				MLRA 56		State:	MN										
Soil Unit:	1248A						Classification	: <u></u>													
Landform:	Talf				Local Relief					Sample Point	<u>u-160n50w15-a1</u>										
Slope (%):	0 - 2%			3.68743846		e: -97.0919		Datum:													
	, ,	nditions on the site	<i>,</i> ,						☑ No	Section:											
Are Vegetati		☐ or Hydrology				Are	normal circur	•	esent?	Township:											
Are Vegetati		☐ or Hydrology	□turally	problematic?			Yes	□No		Range:	Dir:										
SUMMARY (
Hydrophytic Vegetation Present?				No			Hydric Soils Present?														
	drology Prese		No							it Within A W											
Remarks:		sample point is do	ominated by	y big blueste	n and locate	ed upslope	e from a wet de	epression. T	he area ha	s received a	large volume of rain	in recent									
	weeks.																				
HYDROLOG	Υ																				
Wetland Hy	drology Ind	icators (Check all	I that apply:	: Minimum of	one primar	v or two se	econdary requi	ired):													
Primary		(211211	, ,		,	,			Secondary:												
A1 - Surface Water					■ B11 - Salt					B6 - Surface S											
	A2 - High Wa				☐ B13 - Aqu		de Odor				Vegetated Concave Sur	rface									
	A3 - Saturatio				C1 - Hydr					☐ B10 - Drainage Patterns ☐ C3 - Oxidized Rhizospheres on Living Roots (tilled)											
	B1 - Water M B2 - Sedimen				☐ C2 - Dry S			Poots (not tille		C8 - Crayfish I		Roots (tilled)									
	B3 - Drift Dep										n Visible on Aerial Imag	erv									
	B4 - Algal Ma				C7 - Thin					D2 - Geomorp		- ,									
	B5 - Iron Dep				☐ Other (Ex	plain)				D5 - FAC-Neu											
		on Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR F	F)									
	B9 - Water-S	ained Leaves																			
F: 1101																					
Field Obser			_																		
	ter Present?		De	epth:	(in.)			Wetland H	vdrology l	y Present? N											
Water Table		Yes 🔲			(in.)				,		_										
Saturation Present? Yes Depth: (in.)																					
											Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
Describe Rec	corded Data (s	stream gauge, moni	itoring well,	aerial photos	previous ins	pections), i	if available:														
Describe Rec		stream gauge, moni				spections), i	if available:														
						spections), i	if available:														
						pections), i	if available:														
Remarks: SOILS Profile Descr	No primary	or secondary hydr	rological inc	dicators were	observed.	confirm the	e absence of in														
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Remarks: SOILS Profile Descr	No primary	or secondary hydr ibe to the depth ne etion, RM=Reduced Ma	rological inc	dicators were	observed.	confirm the	e absence of ir ore Lining, M=Mat														
Remarks: SOILS Profile Descr (Type: C=Conce	No primary	or secondary hydrone ibe to the depth ne etion, RM=Reduced Matrix	rological inc eeded to do latrix, CS=Cov	dicators were	observed. Indicator or cond Grains; Loc	confirm the ation: PL=Po Mottle	e absence of ir ore Lining, M=Mat	rix)													
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Remarks: SOILS Profile Descr (Type: C=Conce	No primary ription (Descr Intration, D=Depl Hue_10YR Hue_10YR A1- Histosol A2- Histic Ep A3- Black His A4- Hydroge A5- Stratific A9- 1 cm Mu A11- Deplete A12- Thick D S1- Sandy M S2- 2.5 cm M	or secondary hydrosecondary hydrosec	eeded to do latrix, CS=Cov 1 neck here if	cument the intered/Coated Safety Coated Safe	observed. Indicator or ond Grains; Loc or (Moist) The not prese y Redox y Redox y Mucky Mine y Gleyed Matrix x Dark Surface teted Dark Surface x Depressions	Mottle Mottle multiple Mottle Mottle Mottle Multiple Multip	e absence of incre Lining, M=Mates Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark Si F16 - High F F18 - Redu P TF2 - Red P TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S ain in Remarks)	c Soils ¹ LRR F, G, H) DNS (LRR H, outlisde MLRA 72, 73										
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-160n50w15-a1		
VEGETATIO	N (Species identified in all uppercase are	e non-native	species.)				
Tree Stratum ((Plot size: 30 ft. radius)						
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet		
1.							
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)		
3.							
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.					(188)		
8.					Prevalence Index Worksheet		
					1		
9.					Total % Cover of: Multiply by:		
10.	<u>_</u>				OBL spp. 1 x 1 = 1		
	Total Cover =	0	_		FACW spp. 5 x 2 = 10		
					FAC spp. 0 x 3 = 0		
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 70 x 4 = 280		
1.					UPL spp. 0 x 5 = 0		
2.							
3.					Total 76 (A) 291 (B)		
4.							
5.					Prevalence Index = B/A = 3.829		
					Flevalence index = D/A = 3.029		
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.	Andropogon gerardii	70	Υ	FACU	11001011111yd10p1lytto Vogetation (Explain)		
2.	Symphyotrichum lanceolatum	5	N	FACW	* Indicators of hydric soil and wetland hydrology must be		
3.	Lycopus americanus	1	N	OBL	present, unless disturbed or problematic.		
	Lycopus americanus	ı	IN	OBL			
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.							
11.							
12.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.							
14.				_	Mandy Vines All woody vines regardless of height		
15.					Woody Vines - All woody vines, regardless of height.		
	Total Cover =	76	_				
Woody Vine St	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.				-	Hydrophytic Vegetation Present? N		
5.							
4.	,						
4 .	Total Cover =	^		_			
Damada	Total Cover =	0					
Remarks:							
Additional F	Remarks:						
The sample point is dominated by big bluestem.							
The sample point is dominated by big bluestern.							