## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:										Date:	07/07/14		
Applicant:										County:	Kittson		
Investigators		BCS/BEH		Subregion (MLRA or LRR): MLRA 56						State:	MN		
Soil Unit:	I132A         NWI Classification:									-			
Landform:	Depression				cal Relief:					Sample Point	w-159n49w5-b1		
Slope (%):	0 - 2%		Latitude: 48.61		Longitude:			Datum					
-		nditions on the site			IT? (If no, exp			⊡Yes	D No	Section:			
Are Vegetati		C or Hydrology				Are	e normal circur	•	esent?	Township:			
Are Vegetati		🖵 or Hydrology	Liturally pro	blematic?			Yes	□No		Range:	Dir:		
SUMMARY (													
Hydrophytic		Yes				Hydric Soils Present?							
	trology Prese		Yes					Is This Sa	mpling Poir	t Within A W	etland? Yes		
Remarks: The wetland is a foxtail barley-dominated fresh wet meadow which extends into a hybrid cattail-dominated roadside ditch. The site is adjacent to tilled agricultural soybean field, a gravel county road, and a forested wetland.													
	-	soybean field, a gi	ravel county ro	ad, and a fo	rested we	tland.							
HYDROLOG	Y												
Wetland Hy	drology Indi	cators (Check all	that apply; Mil	nimum of on	e primary	or two se	econdary requi	red):					
Primary									Secondary:				
	A1 - Surface V				B11 - Salt					B6 - Surface S			
✓ ✓	A2 - High Wat A3 - Saturatio				B13 - Aqua		Fauna				B8 - Sparsely Vegetated Concave Surface		
	B1 - Water Ma				C2 - Dry S								
	B2 - Sediment						pheres on Living	Roots (not til		C8 - Crayfish			
	B3 - Drift Dep				C4 - Prese						n Visible on Aerial Imagery		
2	B4 - Algal Mat			_	C7 - Thin M		ace		<b>√</b>	D2 - Geomorp			
	B5 - Iron Depo	n Visible on Aerial Im	agen		Other (Exp	iain)				D5 - FAC-Neu	aved Hummocks (LRR F)		
	B9 - Water-St		lagery						-	D7 - Host-He			
Field Obser	vations:												
	er Present?	Yes 🛛	Depth:		(in.)								
Water Table		Yes 🗹	Depth:		(in.)			Wetland H	lydrology	Present? Y			
Saturation P		Yes 🗹	Depth:		(in.)								
			Boptin										
Describe Des	arded Data (a		المتنام مناهد	al abataa ar		(actiona)	if available.						
		tream gauge, moni	-			ections),	if available:						
Describe Rec Remarks:		tream gauge, moni and saturation are	-			pections),	if available:						
Remarks:			-			pections),	if available:						
Remarks: SOILS	Water table	and saturation are	e present at the	e soil surface	e.			ndicators.)					
Remarks: SOILS Profile Descri	Water table		e present at the	e soil surface	e. cator or co	onfirm the	e absence of ir						
Remarks: SOILS Profile Descri	Water table	and saturation are be to the depth ne etion, RM=Reduced Ma	e present at the	e soil surface	e. cator or co	onfirm the	e absence of ir						
Remarks: SOILS Profile Descri	Water table	and saturation are be to the depth ne etion, RM=Reduced Ma Matrix	e present at the reded to docum atrix, CS=Covered	e soil surface	e. cator or co	onfirm the tion: PL=Pc Mottle	e absence of ir ore Lining, M=Mat						
Remarks: SOILS Profile Descri	Water table	and saturation are be to the depth ne etion, RM=Reduced Ma	e present at the	e soil surface	e. cator or co Grains; Loca	onfirm the	e absence of ir ore Lining, M=Mat		Texture		Remarks		
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## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: w-159n49w5-b1	
		e non-native	species.)			
Tree Stratum (	Plot size: 30 ft. radius) <u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet	
1.		<u></u>	Dominant	1110.010100		
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (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: 100.0% (A/B)	
7.						
8.					Prevalence Index Worksheet	
9.					Total % Cover of: Multiply by:	
10.	Tatal Osuar	0			$OBL spp. \underline{5} \qquad x \ 1 = \underline{5}$	
	Total Cover =	0	_		FACW spp. 37 x 2 = 74	
Caaliaa/Chark (					FAC spp. 2 $x 3 = 6$	
Sapling/Shrub 3	Stratum (Plot size: 15 ft. radius)				FACU spp. 7 $x 4 = 28$ UPL spp. 0 $x 5 = 0$	
2.						
3.					 Total <u>51</u> (A) <u>113</u> (B)	
4.	<u></u>					
5.	<u>,</u>				Prevalence Index = B/A = 2.216	
6.						
7.	<u> </u>					
8.					Hydrophytic Vegetation Indicators:	
9.					Rapid Test for Hydrophytic Vegetation	
10.					X Dominance Test is > 50%	
	Total Cover =	0			X Prevalence Index is ≤ 3.0 *	
					Morphological Adaptations (Explain) *	
Herb Stratum (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *	
1.	Hordeum jubatum	25	Y	FACW		
2.	Rumex stenophyllus	10	Y	FACW	<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>	
3.	Persicaria lapathifolia	5	N	OBL		
4.	Artemisia biennis	5	N	FACU	Definitions of Vegetation Strata:	
5.	Persicaria maculosa	2	N	FACW	Tree	
6 7.	Thlaspi arvense Echinochloa crus-galli	2	N N	FACU FAC	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.	
7. 8.		2	IN	FAC		
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.						
15.					Woody Vines - All woody vines, regardless of height.	
	Total Cover =	51				
	atum (Plot size: 30 ft. radius)					
1.	1					
2.	<u> </u>					
3.	ļ				Hydrophytic Vegetation Present? Y	
5. 4.	<u> </u>					
4.	Total Cover =	0				
Remarks:	The wetland is dominated by foxtail barley ar	-				
Additional R	emarks:					
						-