WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	•									Date: 06/26/14	<u> </u>		
Applicant:										County: Kittson			
Investigators:	•			Subregion (MLRA or LRR): MLRA						State: MN			
Soil Unit:	I248B			NWI Classification:									
Landform:	Depression				cal Relief:					Sample Point: w-160n5	50w9-b2		
Slope (%):	0 - 2%		ude: 48.69				4325126	Datum:					
	, ,	nditions on the site typi			ar? (If no, exp		•		□ No	Section:			
Are Vegetation			•	disturbed?		Are	e normal circum	nstances pr	esent?	Township:			
Are Vegetation			urally prob	olematic?			✓ Yes	□ No		Range:	Dir:		
SUMMARY O													
Hydrophytic Vegetation Present?						Hydric Soils Present?							
Wetland Hydrology Present?				Yes			Is This Sampling Point			t Within A Wetland?	Yes		
Remarks: The wetland is a reed canary grass-dominated fresh wet meadow situated between parallel, forested floodplain areas along the Red River; green ash and													
American elm seedlings are scattered throughout the wetland.													
HYDROLOG	Y												
Wetland Hy	drology Indi	cators (Check all that	annly: Mir	nimum of on	a nrimary	or two se	econdary requi	.eq).					
Primary:		cators (Check all that	apply, will	illiaili oi oii	e primary	OI TWO S	econdary requir	eu).	Secondary:				
<u>r mary.</u> ☑	A1 - Surface \	Vater			B11 - Salt (Crust				B6 - Surface Soil Cracks			
▽					B13 - Aqua					B8 - Sparsely Vegetated C	Concave Surface		
✓	5				C1 - Hydro					B10 - Drainage Patterns			
	B1 - Water Ma				C2 - Dry Se			D		C3 - Oxidized Rhizosphere	es on Living Roots (tilled)		
	B2 - Sedimen	•			C3 - Oxidiz C4 - Prese		spheres on Living	Roots (not till	lŧ 🗆	C8 - Crayfish Burrows	Aprial Imagent		
	B3 - Drift Dep B4 - Algal Ma				C7 - Thin N					C9 - Saturation Visible on D2 - Geomorphic Position			
	B5 - Iron Dep				Other (Exp		400			D5 - FAC-Neutral Test			
		n Visible on Aerial Imagery	/		(=	,				D7 - Frost-Heaved Humm	ocks (LRR F)		
	B9 - Water-St	ained Leaves									, ,		
Field Observ	/ations:												
Surface Wate	er Present?	Yes ☑	Depth:	3	(in.)			Watland L	Judralaau	Procent?			
Water Table	Present?	Yes ☑	Depth:	0	(in.)			wetiand r	lydrology	Present? Y			
Saturation Pr	esent?	Yes ☑	Depth:	0	(in.)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Reco	orded Data (s	tream gauge monitoring	r well aeri	al photos pre	evious insp	ections)	if available:						
			·		evious insp	ections),	if available:						
Describe Reco		tream gauge, monitoring er is present to a depth	·		evious insp	ections),	if available:						
Remarks:			·		evious insp	ections),	if available:						
Remarks:	Surface wat	er is present to a depth	of 3 inch	es.	·	,		dicators)					
Remarks: SOILS Profile Descri	Surface wat	er is present to a depth	of 3 inch	nent the indi	cator or co	onfirm th	e absence of in						
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Remarks: SOILS Profile Descri	Surface wat	er is present to a depth	of 3 inch	nent the indi	cator or co	onfirm th	e absence of in ore Lining, M=Matr						
Remarks: SOILS Profile Descri (Type: C=Concen	Surface wat	er is present to a depth be to the depth needed etion, RM=Reduced Matrix, C	of 3 inch to docum CS=Covered	nent the indi	cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr	ix)	Texture	Rem	narks		
Remarks: SOILS Profile Descri (Type: C=Concent	Surface wat	er is present to a depth be to the depth needed etion, RM=Reduced Matrix, C Matrix Color (Moist)	of 3 inch to docum CS=Covered	nent the indi	cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr		Texture	Rem	narks		
Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-5	ption (Descriptration, D=Deplementation)	be to the depth needed etion, RM=Reduced Matrix, Color (Moist)	to docum CS=Covered %	nent the individual of the control o	cator or co Grains; Locat Moist)	onfirm the tion: PL=P Mottle	e absence of in ore Lining, M=Matr es Type	Location	Texture C	Rem	narks		
Remarks: SOILS Profile Descrip (Type: C=Concent) Depth (In.) 0-5 5-20	ption (Descriptration, D=Deplementation, D=Deplementation) Hue_2.5Y Hue_2.5Y	er is present to a depth be to the depth needed etion, RM=Reduced Matrix, C Matrix Color (Moist) 3/1 4/2	of 3 inch to docum CS=Covered % 100 92	nent the indi	cator or co Grains; Locat Moist)	onfirm the	e absence of in ore Lining, M=Matr	ix)	Texture C	Rem	narks		
Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-5	ption (Descriptration, D=Deplementation)	er is present to a depth be to the depth needed etion, RM=Reduced Matrix, C Matrix Color (Moist) 3/1 4/2	to docum CS=Covered %	nent the individual of the control o	cator or co Grains; Locat Moist)	onfirm the tion: PL=P Mottle	e absence of in ore Lining, M=Matr es Type	Location	Texture C C	Rem	narks		
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Remarks: SOILS Profile Descrip (Type: C=Concent) Depth (In.) 0-5 5-20 5-20	ption (Descriptration, D=Deplementation, D=Deple	er is present to a depth be to the depth needed etion, RM=Reduced Matrix, C Matrix Color (Moist) 3/1 4/2 2/1	% 100 92 4	coated Sand (Coated Sand (Coated Sand (Color	Cator or co Grains; Local Moist) 4/6	Mottle 4	e absence of in ore Lining, M=Matr es Type C	Location	C C C	or Problematic Soils ¹	narks		
Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-5 5-20 5-20 NRCS Hydri	ption (Descriptration, D=Deplementation, D=Deple	be to the depth needed etion, RM=Reduced Matrix Matrix Color (Moist) 3/1 4/2 2/1 Indicators (check limits)	% 100 92 4	Color (IHue_7.5YR	Cator or co Grains; Local Moist) 4/6 not presented	Mottle 4	e absence of in ore Lining, M=Matr es Type C	Location	C C C Indicators f	or Problematic Soils ¹ uck (LRR I, J)			
Remarks: SOILS Profile Description (Type: C=Concent) Depth (In.) 0-5 5-20 NRCS Hydri	ption (Descriptration, D=Deplementation, D=Deple	be to the depth needed etion, RM=Reduced Matrix, Color (Moist) 3/1 4/2 2/1 Indicators (check lipedon	% 100 92 4	coated Sand Color (Included Sand Color (Included Sand Color (Included Sand Color (Included Sand Sand Sand Sand Sand Sand Sand San	Cator or co Grains; Local Moist) 4/6 anot present	Mottle % 4	e absence of in ore Lining, M=Matr es Type C	Location	C C C Indicators f A9 - 1 cm M A16 - Cost F	or Problematic Soils ¹ uck (LRR I, J) Prairie Redox (LRR F, G, H			
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Remarks: SOILS Profile Descri (Type: C=Concent Depth (In.) 0-5 5-20 5-20 NRCS Hydri	ption (Descriptration, D=Deplementation, D=Deple	be to the depth needed etion, RM=Reduced Matrix, Color (Moist) 3/1 4/2 2/1 Indicators (check in Sulfide	% 100 92 4 here if ind	Color (Included Sand Sand Sand Sand Sand Sand Sand San	Cator or co Grains; Local Moist) 4/6 Aviation of present	Mottle % 4 tion: PL=P	e absence of in ore Lining, M=Matr es Type C	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F	or Problematic Soils ¹ uck (LRR I, J) Prairie Redox (LRR F, G, Hurface (LRR G)	H)		
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WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-160n50w9-b2				
VEGETATION	N (Species identified in all uppercase are	e non-native	species.)						
Tree Stratum (Plot size: 30 ft. radius)								
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.									
2.					Number of Dominant Species that are OBL, FACW, or FAC: 4 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: 4 (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.					OBL spp. 0				
Total Cover		=0			FACW spp. $\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$				
					FAC spp. 45 $\times 3 = 135$				
	Stratum (Plot size: 15 ft. radius)				FACU spp. 2 X 4 = 8				
1.	Fraxinus pennsylvanica	25	Y	FAC	UPL spp. $0 x 5 = 0$				
2.	Ulmus americana	15	Υ	FAC					
3.	Acer negundo	5	N	FAC	Total 119 (A) 287 (B)				
4.									
5.					Prevalence Index = B/A = 2.412				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
	Total Cover =	45			X Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Phalaris arundinacea	35	Υ	FACW					
2.	Muhlenbergia mexicana	15	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be				
3.	Carex tenera	10	N	FACW	present, unless disturbed or problematic.				
4.	Stachys palustris	5	N	FACW	Definitions of Vegetation Strata:				
5.	Mentha arvensis	5	N	FACW					
6	Carex cristatella	2	N	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.	Poa pratensis	2	N	FACU	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.									
15.					Woody Vines - All woody vines, regardless of height.				
10.	Total Cover =	74							
	Total Cover =	7 4							
Moody Vino St	ratum (Plot size: 30 ft. radius)								
1	ratum (Plot Size. 30 it. radius)								
2.									
3.					Hydrophytic Vogetation Bresent?				
5.					Hydrophytic Vegetation Present?Y				
4.									
4.	Total Cover =	0							
Domorko			andlinga r	and concr	ry groop, and Mayican mubby				
Remarks:	The wetland sample area is dominated by gr	een asn se	eealings, r	eed canar	y grass, and Mexican munity.				
Additional R	Remarks:								