WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date: County:	06/30/14		
Applicant:											Kittson		
Investigators: EAB/RAJ				Subregion (MLRA or LRR): MLRA 56							MN		
Soil Unit: 1132A				NWI Classification:									
Landform:	Talf				cal Relief:			<u> </u>		Sample Point	u-159n49w23-a1		
Slope (%):	0 - 2%		Latitude: 48.5		Longitude:			Datum:					
		nditions on the site			ar? (If no, exp			□Yes	☑ No	Section:			
Are Vegetatio		d or Hydrology				Are	e normal circun		esent?	Township:			
Are Vegetation 🖵 Soil 🗋 or Hydrology 🖾 turally problematic? 🛛 Yes 🔤 No 🛛 Range: Dir:													
SUMMARY OF FINDINGS													
Hydrophytic		No				Hydric Soils Present?				11 10 N-	_		
Wetland Hyd			Yes				Is This Sampling Poir					A	
Remarks: The sample site is located in mowed area near a private residence. The area drains into a wetland that expanded due to recent pipeline construction. A utility station lies east of the area.												A utility	
		east of the area.											
HYDROLOG	Y												
Wetland Hy	drology Ind	icators (Check all	that apply; M	inimum of on	e primary	or two se	econdary requi	red):					
Primary				_					Secondary				
A1 - Surface Water					B11 - Salt					B6 - Surface S			
✓ ✓	A2 - High Wa A3 - Saturatio			B13 - Aquatic Fauna									
	B1 - Water M			C1 - Hydrogen Sulfide Odor									
	B2 - Sedimen	t Deposits					pheres on Living	Roots (not till	le 🗖			· /	
	B3 - Drift Dep				C4 - Prese						n Visible on Aerial Imagery		
	B4 - Algal Ma						ace						
	B5 - Iron Dep	osits on Visible on Aerial Im			Other (Exp	lain)				D5 - FAC-Neu	aved Hummocks (LRR F)		
		tained Leaves	lagely						-	D7 - FIOSI-FIE	aved Hummocks (LRR F)		
Field Obser	vations:												
Surface Wat		Yes 🛛	Depth		(in.)								
Water Table		Yes 🗹	Depth		(in.)			Wetland H	lydrology	Present?	Y		
Saturation P		Yes 🗹	Depti		(in.)						—		
			n										
		stream gauge, moni	-		evious insp								
Describe Rec Remarks:		stream gauge, moni r table is present a	-		evious insp			the result o	f recent hea	avy rains acro	oss the area.		
Remarks:			-		evious insp			the result o	f recent hea	avy rains acro	oss the area.		
Remarks: SOILS	A high wate	r table is present a	at 4 inches. Th	ne presence	evious insp of hydrolog	gical indi	cators is likely		f recent hea	avy rains acro	oss the area.		
Remarks: SOILS Profile Descri	A high wate	r table is present a	at 4 inches. The seded to docu	me presence ment the indi	evious insp of hydrolog cator or co	gical indi	cators is likely e absence of ir	ndicators.)	f recent hea	avy rains acro	oss the area.		
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Remarks: SOILS Profile Descri (Type: C=Concer	A high wate	tr table is present a be to the depth ne etion, RM=Reduced Ma Matrix	at 4 inches. The seded to docu	ment the indi	evious insp of hydrolog cator or co Grains; Loca	gical indi	cators is likely e absence of ir ore Lining, M=Mate	ndicators.)	f recent hea	avy rains acro	oss the area.		
Remarks: SOILS Profile Descri	A high wate	r table is present a be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	at 4 inches. The seded to docu	me presence ment the indi	evious insp of hydrolog cator or co Grains; Loca	gical indi onfirm th tion: PL=P Mottle	cators is likely e absence of ir ore Lining, M=Matr	ndicators.) rix)		avy rains acro			
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-5	A high wate	tr table is present a be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to docu atrix, CS=Covere % 100	ment the indi d/Coated Sand	evious insp of hydrolog cator or co Grains; Loca Moist)	gical indi onfirm the tion: PL=Po Mottle %	cators is likely e absence of ir ore Lining, M=Matr es Type	ndicators.) rix)	Texture C	avy rains acro			
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-5 5-10 10-18 10-18 NRCS Hydr U U U U U U U U U U U U U	A high wate ption (Descr ntration, D=Depl Hue_10YR Hue_10YR Hue_2.5Y Hue_2.5Y Hue_2.5Y Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm Mu S3 - 5 cm Mu S4 - Sandy G	r table is present a	at 4 inches. The seded to docu atrix, CS=Covered % 100 60 70 222 heck here if in call be call	e presence i ment the indi d/Coated Sand i Color (i Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR dicators are r S6 - Stripped S6 - Stripped F1 - Loamy M F2 - Loamy C F3 - Depletec F6 - Redox D F7 - Depletec F6 - Redox D F7 - Depletec F6 - Redox D F7 - Depletec F8 - Redox D F6 - High Pl E76 - High Pl	evious insp of hydrolog Grains; Loca Moist) 4/1 4/4 2/1 evidentia Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix Matrix	gical indi	Cators is likely e absence of ir ore Lining, M=Mati es Type D C C C RA 72, 73 of LRF	Idicators.)	Indicators of l Indicators of l A9 - 1 cm M A16 - Cost I S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF2 - Very Other (Expla	for Problemati Muck (LRR I, J) Prairie Redox (I urface (LRR G) Plains Depressi ced Vertic Parent Material 'Shallow Dark S ain in Remarks)	Remarks	present,	
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-159n49w23-a1
VEGETATION		e non-native	species.)		
rree Stratum (Plot size: 30 ft. radius) <u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.		76 COVEL	Dominant	IIIU.Status	Dominance rest worksheet
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (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: 50.0% (A/B)
7.					()
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 $x 1 = 0$
	Total Cover =	0			FACW spp. 0 x 2 = 0
			_		FAC spp. $60 \times 3 = 180$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 65 x 4 = 260
1.					UPL spp. 0 x 5 = 0
2.					
3.					Total <u>125</u> (A) <u>440</u> (B)
4.					
5.					Prevalence Index = B/A = <u>3.520</u>
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) *
	Plot size: 5 ft. radius)		V	540	Problem Hydrophytic Vegetation (Explain) *
1.	Bromus ciliatus	60	Y	FAC	* Indicators of hydris soil and watered hydrology must be
2.	Poa pratensis	40	Y	FACU	 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. 4.	Symphyotrichum ericoides	10	N	FACU	
4. 5.	Cirsium arvense Taraxacum officinale	10 5	<u>N</u>	FACU FACU	Definitions of Vegetation Strata:
5. 6		5	IN	FACU	
7.				-	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast 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.
	Total Cover =	125			
			_		
Woody Vine Str	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present? N
5.					
4.					
	Total Cover =				
Remarks:	The sample site is dominated by smooth bro	ome.			
Additional R	lemarks:				