WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	07/30/14						
Applicant:											Kittson						
Investigators		BEH/BCS		Subregion (MLRA or LRR): MLRA 56						MN							
Soil Unit:	1132A						I Classification:			_							
Landform: Dip Local Relief: CL Sample Point: w-159n49w10-a1																	
Slope (%):	0 - 2%		Latitude: 48.6		Longitude:			Datum									
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks) Image: Constraint of year? (Image: Constraint of year? (Image: Constrainto																	
Are Vegetati	on i⊈ Soil					Are		•	esent?	Township:							
Are Vegetation □ Soil □ or Hydrology □ training □ Yes □ No Range: □ Dir:																	
SUMMARY OF FINDINGS Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes																	
			Yes		•												
Wetland Hyd			Yes				· · · · ·			nt Within A W							
Remarks: The wetland is a seasonally-flooded basin dominated by biennial wormwood and slough grass. The site is surrounded by a wheat field.																	
HYDROLOG	Y																
Wetland Hy	drology Indi	cators (Check all	that apply; N	inimum 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 C1 - Hydro						Vegetated Concave Surface						
	B1 - Water Ma				C2 - Dry S						Rhizospheres on Living Roots (tilled)						
	B2 - Sediment						spheres on Living	Roots (not til									
	B3 - Drift Dep				C4 - Prese						n Visible on Aerial Imagery						
	B4 - Algal Mat B5 - Iron Depo				C7 - Thin M Other (Exp		ace		~	D2 - Geomorp D5 - FAC-Neu							
		n Visible on Aerial Im	lagerv			iairi)					aved Hummocks (LRR F)						
	B9 - Water-St		- 3 - 9						_		,						
Field Obser	vations:																
Surface Wat	er Present?	Yes 🛛	Dept	1:	(in.)			Wotland L	lydrology	Brocont?	Y						
Water Table	Present?	Yes 🛛	Depti	1:	(in.)			Wetlanu	iyurology	Fiesenti							
Saturation P	resent?	Yes 🛛	Depti	ו:	(in.)												
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:																	
Describe Rec	orded Data (s	tream gauge, moni	itoring well, ae	rial photos, pr	evious insp	ections),	if available:										
				rial photos, pr	evious insp	ections),	if available:										
Describe Rec Remarks:		tream gauge, moni s are evident on to		rial photos, pro	evious insp	pections),	, if available:										
				rial photos, pro	evious insp	pections),	, if available:										
Remarks: SOILS Profile Descri	Iron deposit	s are evident on to be to the depth ne	op of the soil.	ment the indi	cator or co	onfirm th	e absence of ir										
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Remarks: SOILS Profile Descri	Iron deposit	s are evident on to be to the depth ne etion, RM=Reduced Ma	op of the soil.	ment the indi	cator or co	onfirm the	e absence of ir ore Lining, M=Matr										
Remarks: SOILS Profile Descri (Type: C=Concer	Iron deposit	s are evident on to be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	ment the indi	cator or co Grains; Loca	onfirm the tion: PL=P Mottle	e absence of ir ore Lining, M=Matr	ix)			Demoio						
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	Iron deposit	s are evident on to be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu atrix, CS=Covers %	ment the indi d/Coated Sand (Color (I	cator or cc Grains; Loca Moist)	onfirm the tion: PL=P Mottle %	e absence of ir ore Lining, M=Matr es Type	ix)	Texture		Remarks						
Remarks: SOILS Profile Descri (Type: C=Concer	Iron deposit	s are evident on to be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	ment the indi d/Coated Sand Color (I Hue_5Y	cator or co Grains; Loca Moist) 5/1	onfirm the tion: PL=P Mottle % 11	e absence of ir ore Lining, M=Matr es Type D	Location	SIC		Remarks						
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-159n49w10-a1					
	N (Species identified in all uppercase ar Plot size: 30 ft. radius)	re non-native	species.)							
Tree Stratum (<u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.		<u>/// Cover</u>	Dominant	110.018103						
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)					
3.										
4.	I				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. 20 x 1 = 20					
	Total Cover =	0			FACW spp. 20 x 2 = 40					
			FAC spp. 5 x $3 = 15$							
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 35 x 4 = 140					
1.					UPL spp. 0 x 5 = 0					
2.										
3.					Total 80 (A) 215 (B)					
4.										
5.					Prevalence Index = B/A = 2.688					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	0	_		<u> </u>					
					Morphological Adaptations (Explain) *					
	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Artemisia biennis	30	Y	FACU						
2.	Beckmannia syzigachne	20	Y	OBL	 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 					
3.	Rumex stenophyllus	15	N	FACW						
4.	Hordeum jubatum	5	N	FACW	Definitions of Vegetation Strata:					
5.	Echinochloa crus-galli	5	N	FAC	T					
6	Lolium perenne	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
7.										
8.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.					
9.					Saping/Sirub - woody plants less than 5 m. bbh, regardless of height.					
10.										
11. 12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
					Hein - A minor baccode (non moody) plante, regaratede el ores.					
13. 14.										
14.					Woody Vines - All woody vines, regardless of height.					
10.	Total Cover =	20								
		80								
Woody Vine St	ratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? Y					
5.										
4.	, 									
	Total Cover =	0								
Remarks: The wetland is dominated by biennial wormwood and slough grass. Narrow-leaf dock is also prevalent throughout.										
Additional Remarks:										