WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date: 06/23/14
Applicant:											County: <u>Marshall</u>
Investigators						Subregio	•				State: MN
Soil Unit:	I133A				I Classification		Wetland ID:				
Landform:	Side slope		10	100111	Lo	cal Relief:					Sample Point: u-158n48w22-b1
Slope (%):	3 - 7%		Latitude: 48.		•	Longitude:			<u>Datum:</u>		Community ID:
		onditions on the site				ar'? (If no, exp	1			□ No	Section:
Are Vegetation			•	•			Are	e normal circun	-	esent?	Township:
Are Vegetation			□aturally p	oroblema	tic?			Yes	□ No		Range: Dir:
SUMMARY C											
Hydrophytic '	•		<u>No</u>			•				ls Present?	
Wetland Hyd			No			• .					nt Within A Wetland? No
Remarks:	The upland	point is located at	the edge of	f an acce	ess roa	d to an ag	ricultural	l field. The veg	etation is do	minated by	y graminoids.
HYDROLOG	Υ										
Wetland Hy	drology Ind	licators (Check all	that apply:	Minimun	n of on	e primary	or two se	econdary requi	red):		
Primary	•	(- p,		, , , , , , , , , , , , , , , , , , , ,		Secondary:	:
☐ A1 - Surface Water						B11 - Salt (Crust	<u> </u>			B6 - Surface Soil Cracks
	□ A2 - High Water Table					B13 - Aqua					B8 - Sparsely Vegetated Concave Surface
	A3 - Saturation			☐ C1 - Hydrogen Sulfide Odor ☐ ☐ C2 - Dry Season Water Table ☐ ☐ C3 - Oxidized Rhizospheres on Living Roots (not till ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐							B10 - Drainage Patterns
	B1 - Water M B2 - Sedimer										C3 - Oxidized Rhizospheres on Living Roots (tilled) C8 - Crayfish Burrows
	B3 - Drift Der	•						C9 - Saturation Visible on Aerial Imagery			
	B4 - Algal Ma			□ C4 - Presence of Reduced Iron □ C7 - Thin Muck Surface □ □ Other (Explain)							D2 - Geomorphic Position
	B5 - Iron Dep										D5 - FAC-Neutral Test
		on Visible on Aerial Ima	agery								D7 - Frost-Heaved Hummocks (LRR F)
	B9 - Water-S	tained Leaves									
5 : 1101	4.										
Field Observ			_			<i>(</i> ;)					
Surface Wat				oth:		(in.)			Wetland F	lydrology l	Present? N
Water Table		Yes □		pth: (in.)					.,	<u></u>	
Saturation P	resent?	Yes □	Dep	pth:		(in.)					
Describe Rec	orded Data (stream gauge, monit	toring well, a	aerial pho	tos, pre	evious insp	ections),	if available:			
	•					evious insp	ections),	if available:			
Describe Rec Remarks:	•	stream gauge, monitors of wetland hydro				evious insp	ections),	if available:			
	•					evious insp	ections),	if available:			
Remarks:	No indicato		ology were o	observed	l.	·			ndicators.)		
Remarks: SOILS Profile Descri	No indicato	ors of wetland hydro	ology were o	observed	ne indi	cator or co	onfirm the	e absence of ir			
Remarks: SOILS Profile Descri	No indicato	rs of wetland hydro ribe to the depth ne- letion, RM=Reduced Ma	ology were o	observed	ne indi	cator or co	onfirm the	e absence of ir ore Lining, M=Mati			
Remarks: SOILS Profile Descri	No indicato	ors of wetland hydro	eded to doc atrix, CS=Cove	cument the content of	ne indi	cator or co	onfirm the	e absence of ir ore Lining, M=Mati			
Remarks: SOILS Profile Descri	No indicato	rs of wetland hydro ribe to the depth ne- letion, RM=Reduced Ma	eded to doc atrix, CS=Cove	cument the country of	ne indi	cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Mati		Texture	Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No indicato	ribe to the depth new letion, RM=Reduced Ma	eded to doc atrix, CS=Cove	cument the country of	ne indio	cator or co Grains; Locat	onfirm the tion: PL=Pe	e absence of ir ore Lining, M=Matr	rix)	Texture	Remarks
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deportation, D=Deportation, D=Deportation) ric Soil Field A1- Histosol	ibe to the depth negletion, RM=Reduced Ma Matrix Color (Moist) I Indicators (che	eded to docatrix, CS=Cove	indicator	ne indid Sand (Color (I	cator or co Grains; Locat Moist)	Mottle	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f	for Problematic Soils ¹ luck (LRR I, J)
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Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	iption (Description, D=Deportation,	ibe to the depth negletion, RM=Reduced Ma Matrix Color (Moist) I Indicators (check the color stick the color (LRR F) ack (LRR FGH)	eded to docatrix, CS=Cove	indicator S5 - S S6 - S F1 - L F2 - L F3 - C F6 - R	color (I Color (I Sandy R Stripped Joamy M Joamy G Depleted Redox D	cator or co Grains; Locat Moist) Moist) ot present edox Matrix luck Mineral leyed Matrix Matrix Matrix ark Surface	monfirm the ion: PL=Pe	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1cm Ma A16 - Cost F S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P	for Problematic Soils ¹ Juck (LRR I, J) Prairie Redox (LRR F, G, H) Surface (LRR G) Plains Depressions (LRR H, outisde MLRA 72, 73) ced Vertic Parent Material
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WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-158n48w22-b1
VEGETATIO	、 .	e non-native	species.)		
Tree Stratum ((Plot size: 30 ft. radius) Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.	<u>Species Name</u>	76 Cover	Dominant	<u>IIIu.Status</u>	Dominance rest worksheet
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					<u> </u>
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (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. $0 \times 2 = 0$ FAC spp. $0 \times 3 = 0$
0 - 1 - 10 - 1	Otto ($\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Stratum (Plot size: 15 ft. radius)				FACU spp. 60
1. 2.					UPL spp. 50 $x = 50$
3.					Total 110 (A) 490 (B)
4.					
5.					Prevalence Index = B/A = 4.455
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)				Problem Hydrophytic Vegetation (Explain) *
1.	Bromus inermis	50	Y	UPL	
2.	Elymus repens	40	Y	FACU	-
3.	Cirsium arvense	10	N	FACU	
4.	Poa pratensis	10	N	FACU	Definitions of Vegetation Strata:
5. 6					Troe - West state (7.0 m)
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.					7
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					7
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	110			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.				_	
2.					Hadronker's Variation Brazento.
3.					Hydrophytic Vegetation Present? N
5.					_
4.	Total Cover =	0			
Remarks:	The upland vegetation is dominated by smooth		and wild ry	/e.	
T.Oman.	The apiana regulation is definitiated by since		aria wila ry	J.	
Additional R	Remarks:				
Additional P	Aemains.				-