WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/12/14					
Applicant:										County:	Marshall					
Investigators				Subregion (MLRA or LRR): MLRA 56						State:	MN					
Soil Unit:	I24A						Classification:			1 _						
Landform:	Dip		40.05		cal Relief:		400	5.1		Sample Point:	w-156n47w1-c1					
Slope (%):	0 - 2%		48.35		Longitude:			Datum:								
		nditions on the site typica			II ? (If no, exp	1		☑ Yes	□ No	Section:						
Are Vegetation		☑, or Hydrology □signif□, or Hydrology □atura	•	olematic?		Ale	normal circum ☑ Yes	•	esent?	Township:	Dir:					
Are Vegetation			ally proi	Jiemalic :			Yes	□ No		Range:	ЫI.					
Hydrophytic \			Yes					Hydric Soi	Is Present?	Voc						
Wetland Hyd			Yes		•					nt Within A W	etland? Yes					
Remarks:		d is a seasonally-flooded b		ithin a whea	field Slo	ugh gras	s and weening				otiana: 100					
rtomanto.	THO Worlding	ito a coaccitaity ficoaca k	Jaoiii W	itimi a wiloa	i iloidi. Olo	agii giao	e and weeping	aman grao	o dominato	trio orto.						
HYDROLOG'	Υ															
		icators (Chack all that an	nly: Mir	nimum of on	o primary	or two co	scondary roqui	rod).								
Wetland Hydrology Indicators (Check all that apply; Minimum of one primary or two secondary required): Primary: Secondary:																
<u>' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' </u>	<u>·</u>	Nater			B11 - Salt (Crust				B6 - Surface S	oil Cracks					
					B13 - Aqua						Vegetated Concave Surface					
	A3 - Saturatio				C1 - Hydro					B10 - Drainage						
	B1 - Water Ma B2 - Sedimen				C2 - Dry Se		ter Table pheres on Living	Roots (not till		C3 - Oxidized C8 - Crayfish E	Rhizospheres on Living Roots (tilled)					
	B3 - Drift Dep	•			C4 - Prese			Noots (not till		-	n Visible on Aerial Imagery					
	B4 - Algal Ma				C7 - Thin N				✓	D2 - Geomorp						
	B5 - Iron Dep				Other (Exp	lain)			✓	D5 - FAC-Neu						
		n Visible on Aerial Imagery								D7 - Frost-Hea	aved Hummocks (LRR F)					
	B9 - Water-St	ained Leaves														
Field Observ	vations:															
		Vac. □	Donth		(in)											
Surface Wate Water Table		Yes □ Yes □	Depth: Depth:		(in.) (in.)			Wetland F	Hydrology I	Present?	Υ					
Saturation Pr		Yes	Depth:		(in.)						_					
			•		` ` `											
						Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:										
Remarks:	Remarks: Surface soil cracks were observed, indicating that the area held water for a period of time. Vegetation passes the FAC-Neutral test.															
											l test.					
SOUS		cracks were observed, if	idicatiii	g mai me ar	ea held wa	ater for a	period of time	. Vegetatior	n passes the	e FAC-Neutra	l test.					
SOILS Profile Descri	intion (Descri								n passes the	e FAC-Neutra	Il test.					
Profile Descri		be to the depth needed to	docum	nent the indic	cator or co	onfirm the	e absence of in	dicators.)	n passes the	e FAC-Neutra	Il test.					
Profile Descri		be to the depth needed to	docum	nent the indic	cator or co	onfirm the	e absence of in	dicators.)	n passes the	e FAC-Neutra	l test.					
Profile Descri		be to the depth needed to	docum	nent the indic	cator or co	onfirm the	e absence of in ore Lining, M=Matr	dicators.)	n passes the	e FAC-Neutra	I test.					
Profile Descri		be to the depth needed to etion, RM=Reduced Matrix, CS=	docum	nent the indic	cator or co Grains; Locat	onfirm the	e absence of in ore Lining, M=Matr	dicators.)	Texture	e FAC-Neutra	l test. Remarks					
Profile Descri (Type: C=Concer		be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist)	docun Covered	nent the indic /Coated Sand (cator or co Grains; Locat	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	idicators.)		e FAC-Neutra						
Profile Descri (Type: C=Concer Depth (In.)	ntration, D=Depl	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1	docum Covered %	nent the indice /Coated Sand Coated Sand Color (I	cator or co Grains; Locat Moist)	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr	idicators.)	Texture	e FAC-Neutra						
Profile Descri (Type: C=Concer Depth (In.)	htration, D=Deple	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1	% 100	nent the indic /Coated Sand (cator or co Grains; Locat Moist)	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr es Type	dicators.)	Texture SIL	e FAC-Neutra						
Profile Descri (Type: C=Concer Depth (In.)	Hue_10YR Hue_10YR	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1	% 100	Color (I Hue_10YR Hue_10YR	Cator or co Grains; Locat Moist)	onfirm the	e absence of in ore Lining, M=Matr es Type	Location	Texture SIL FSL	e FAC-Neutra						
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13	Hue_10YR Hue_10YR Hue_2.5Y	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3	% 100 70	Color (I Hue_10YR Hue_5Y	Moist) 6/6 3/2 6/1	Mottle 3 27	e absence of incre Lining, M=Matrees Type C C	Location M M	Texture SIL FSL FSL SIL	e FAC-Neutra						
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13	Hue_10YR Hue_10YR	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2	% 100 70 65	Color (I Hue_10YR Hue_10YR	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6	Mottle % 3 27 8	e absence of incore Lining, M=Matroes Type C C D	Location M M M	Texture SIL FSL FSL	e FAC-Neutra						
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13	Hue_10YR Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4	% 100 70 65 12	Color (I Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_7.5YR	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8	Mottle 3 27 8 3 2	e absence of incore Lining, M=Matrones Type C C D C	Location M M M M	Texture SIL FSL SIL SIL FSL	e FAC-Neutra						
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13	Hue_10YR Hue_10YR Hue_2.5Y Hue_10YR	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4	% 100 70 65 12	Color (I Hue_10YR Hue_5Y Hue_10YR	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8	Mottle 3 27 8 3 2	e absence of incre Lining, M=Matrones Type C C C C C C	Location M M M M	Texture SIL FSL SIL SIL FSL FSL	for Problematic	Remarks					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13	Hue_10YR Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_7.5YR	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 ot present	Mottle 3 27 8 3 2	e absence of incre Lining, M=Matrones Type C C C C C C	Location M M M M M M	Texture SIL FSL SIL FSL FSL FSL Indicators f		Remarks					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here)	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_10YR Hue_5Y Color (I Hue_10YR Hue_5Y Hue_5Y Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_5Y Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hu	Moist) 6/6 3/2 6/1 5/6 5/8 ot presentedox Matrix	Mottle % 3 27 8 3 2 t):	e absence of incre Lining, M=Matrones Type C C C C C C	Location M M M M M M	Texture SIL FSL SIL FSL FSL FSL FSL A9 - 1 cm M A16 - Coast	for Problemation Suck (LRR I, J) Prairie Redox (Remarks					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Goil Field A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check herestic	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_10YR Hue_7.5YR icators are n S5 - Sandy R S6 - Stripped F1 - Loamy M	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 ot present	Mottle Mottle 3 27 8 3 27 8 3 2 t):	e absence of incre Lining, M=Matrones Type C C C C C C	Location M M M M M M	Texture SIL FSL SIL FSL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si	for Problemation Juck (LRR I, J) Prairie Redox (urface (LRR G)	Remarks Soils LRR F, G, H)					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check herestic in Sulfide	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_10YR Hue_5Y Color (I Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_10YR Hue_	Moist) 6/6 3/2 6/1 5/6 5/8 ot presentedox Matrix lucky Mineral	Mottle Mottle 3 27 8 3 27 8 3 2 t):	e absence of incre Lining, M=Matrones Type C C C C C C	Location M M M M M —————————————————————	Texture SIL FSL SIL FSL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F	for Problemation Juck (LRR I, J) Prairie Redox (Jurface (LRR G) Plains Depression	Remarks					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Goil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check hereduced Matrix, CS=	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are n S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 ot present	Mottle % 3 27 8 3 21:	e absence of incre Lining, M=Matrones Type C C C C C C	Location M M M M M —————————————————————	Texture SIL FSL SIL FSL FSL FSL FSL FSL FSL FSL FSL FSL FS	for Problemation Juck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic	Remarks Soils LRR F, G, H)					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Goil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mue	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon stic on Sulfide Layers (LRR F) ck (LRR FGH)	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_10YR Hue_5Y Hue_7.5YR icators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D	Moist) 6/6 3/2 6/1 5/6 5/8 ot present	Mottle Mottle 3 27 8 3 2 t):	e absence of incre Lining, M=Matrones Type C C C C C C	Location M M M M M —————————————————————	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark So F16 - High F F18 - Reduct TF2 - Red P	for Problemation Juck (LRR I, J) Prairie Redox (Jurface (LRR G) Plains Depression Plains Depression Parent Material	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Goil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Deplete A12 - Thick D	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface	% 100 70 65 12 10 ce if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are rown S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 ot present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottle % 3 27 8 3 2 t):	e absence of incore Lining, M=Matroes Type C C C C D C	Location M M M M M M	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	for Problemation Juck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Goil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mur A11 - Deplete A12 - Thick D S1 - Sandy M	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon stic on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are rown S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 ot present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottle % 3 27 8 3 2 t):	e absence of incre Lining, M=Matrones Type C C C C C C	Location M M M M M M	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	for Problemation Juck (LRR I, J) Prairie Redox (Jurface (LRR G) Plains Depression Ced Vertic Parent Material Shallow Dark S	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mur A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, H	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are rown S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 ot present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottle % 3 27 8 3 2 t):	e absence of incore Lining, M=Matroes Type C C C C D C	Location M M M M M M	Texture SIL FSL SIL FSL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	for Problemation Juck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, H cky Peat or Peat (LRR F)	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are rown S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 ot present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottle % 3 27 8 3 2 t):	e absence of incore Lining, M=Matroes Type C C C C D C	Location M M M M M M	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	for Problemation Juck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	Remarks Soils LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mur A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, H cky Peat or Peat (LRR F)	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are rown S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 ot present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottle % 3 27 8 3 2 t):	e absence of incore Lining, M=Matroes Type C C C C D C	Location M M M M M M	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	for Problemation Juck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Good Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Muc S4 - Sandy G	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, H cky Peat or Peat (LRR F)	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are n S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy O F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 Tot present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface pressions ains Depres	Mottle % 3 27 8 3 2 t):	e absence of incore Lining, M=Matropes Type C C C C V RA 72, 73 of LRF	Location M M M M M C C C C C C C C C C C C C C	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	for Problemation Juck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Good Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Muc S4 - Sandy G	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, H cky Peat or Peat (LRR F)	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are rown S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Locat Moist) 6/6 3/2 6/1 5/6 5/8 Tot present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface pressions ains Depres	Mottle % 3 27 8 3 2 t):	e absence of incore Lining, M=Matropes Type C C C C V RA 72, 73 of LRF	Location M M M M M M	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	for Problemation Juck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Tic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mur A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mur S4 - Sandy G	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, H cky Peat or Peat (LRR F)	% 100 70 65 12 10 re if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_10YR Hue_7.5YR icators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	Moist) 6/6 3/2 6/1 5/6 5/8 ot present edox Matrix lucky Minera leyed Matrix Matrix ark Surface Dark Surface park Surface Dark Surface park Surface Dark Surface Dark Surface	Mottle % 3 27 8 3 2 t):	e absence of incore Lining, M=Matrices Type C C C C C W RA 72, 73 of LRF	Location M M M M M M M M M M M M M M M M M M	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark So F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Stain in Remarks) hydrophytic vegetated or problematic.	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface ion and wetland hydrology must be present,					
Profile Descri (Type: C=Concer Depth (In.) 0-9 9-13 13-22 NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Goil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Muc S4 - Sandy G Type: The soil is ver concentrations	be to the depth needed to etion, RM=Reduced Matrix, CS= Matrix Color (Moist) 2/1 6/3 6/2 3/2 6/4 Indicators (check here) ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LRR G, H) cky Peat or Peat (LRR F) leyed Matrix ry mixed, likely from tillage, material	% 100 70 65 12 10 ce if ind	Color (I Hue_10YR Hue_10YR Hue_5Y Hue_5Y Hue_7.5YR icators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla Depth:	Moist) 6/6 3/2 6/1 5/6 5/8 ot present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface	Mottle Mottle % 3 27 8 3 2 t):	e absence of incore Lining, M=Matropes Type C C C C C W RA 72, 73 of LRF Hydric Sociol in its present seconds	Location M M M M M M M M M M M M M M	Texture SIL FSL SIL FSL SIL FSL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	for Problematic fuck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression of Vertic for Parent Material of Shallow Dark Stain in Remarks) Interpretation of Problematic for Problematic	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface ion and wetland hydrology must be present,					

WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: w-156n47w1-c1
					•
VEGETATIO	N (Species identified in all uppercase are	non-native	e species.)		
Tree Stratum ((Plot size: 30 ft. radius)				
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					
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.					(7,72)
8.					Prevalence Index Worksheet
9.					Takal O' Carran af
					Total % Cover of: Multiply by:
10.	Total Cayor		OBL spp. 35		
	Total Cover = _	0			Multiply by: OBL spp. 35 x 1 = 35 FACW spp. 10 x 2 = 20 FAC spp. 0 x 3 = 0 FACU spp. 0 x 4 = 0 UPL spp. 0 x 5 = 0
					FAC spp. $0 \times 3 = 0$
	Stratum (Plot size: 15 ft. radius)				FACU spp. $0 \times 4 = 0$
1.					UPL spp. $0 x 5 = 0$
2.					
3.					Total <u>45</u> (A) <u>55</u> (B)
4.					
5.					Prevalence Index = B/A = 1.222
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					X Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
10.	Total Cover =	0			X Prevalence Index is ≤ 3.0 *
	Total Cover =_	0			
					Morphological Adaptations (Explain) *
Herb Stratum (Plot size: 5 ft. radius)			0.01	Problem Hydrophytic Vegetation (Explain) *
1.	Beckmannia syzigachne	30	Y	OBL	
2.	Puccinellia distans	10	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Typha angustifolia	5	N	OBL	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					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.
					Herb - All Herbaccous (Horf Woody) Plants, regardless of size.
13.					$f lack egin{array}{cccccccccccccccccccccccccccccccccccc$
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover = _	45			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.					
2.					
3.				-	Hydrophytic Vegetation Present? Y
5.					
4.					
	Total Cover =	0			
Remarks:	The sample point is dominated by slough gra		oping alka	di arocc	
Remarks.	The sample point is dominated by slough gra	SS and we	eeping alka	all-grass.	
Additional F	Remarks:				