## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/30/14	
Applicant:										County:	Pennington	
Investigators:		RAJ/BJC	Subregion (MLRA or LRR): MLRA 56						State:	MN		
Soil Unit:	155A			<u> </u>			Classification:				.=	
Landform:	Depression				cal Relief:					Sample Point:	w-153n44w12-a1	
Slope (%):	0 - 2%	Par al ra	Latitude: 48.0		Longitude:			<u>Datum:</u>		4		
	·	nditions on the site			Ir'? (If no, exp		· · · · · · · · · · · · · · · · · · ·	✓ Yes	□ No	Section:		
Are Vegetation		☑, or Hydrology	•	•		Are	e normal circum	-	esent?	Township:		
Are Vegetation		□, or Hydrology	□aturally p	oblematic?			□ Yes	☑ No		Range:	Dir:	
SUMMARY O									L D			
Hydrophytic \			Yes		•			Hydric Soil			(I IO V	
Wetland Hyd			Yes	9 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -								
Remarks: A seasonally flooded basin in a swale. The swale was created or has been improved to drain the surrounding cultivated land. The area at the sample point looks to be regularly tilled; the vegetation is disturbed from herbicide use. The soils are disturbed from tillage and sedimentation from the surrounding cropland. All parameters of wetland conditions are met.												
			ide use. The s	olis are disturbed	i iroin tillage	e and sed	imentation nom ti	ie surroundinț	g cropiano. <i>I</i>	All parameters o	wettand conditions are met.	
HYDROLOGY	Y											
Wetland Hy	drology Indi	cators (Check all	that apply; N	linimum of on	e primary	or two se	econdary requir	red):				
Primary:		·						,	Secondary	<u>":</u>		
	A1 - Surface Water				B11 - Salt (					B6 - Surface S		
	A2 - High Wat				B13 - Aqua						Vegetated Concave Surface	
	A3 - Saturation			<ul><li>□ C1 - Hydrogen Sulfide Odor</li><li>□ C2 - Dry Season Water Table</li><li>□ □</li></ul>							B10 - Drainage Patterns	
	B1 - Water Ma B2 - Sediment						spheres on Living	Roots (not till	⊔ • □	C3 - Oxidized C8 - Crayfish E	Rhizospheres on Living Roots (tilled)	
	B3 - Drift Dep	•			C4 - Prese			rtoots (not till		_	Note: The State of St	
□ ☑	B4 - Algal Mat				C7 - Thin M				✓	D2 - Geomorp	<b>G</b> ,	
	B5 - Iron Depo				Other (Expl	lain)			✓	D5 - FAC-Neu		
		n Visible on Aerial Im	nagery			,				D7 - Frost-Hea	ved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves										
Field Observ	vations:											
Surface Wate	er Present?	Yes □	Dep	h:	(in.)			Wetland F	lydrology	Present?	Υ	
Water Table	Present?	Yes □	Dep	h:	(in.)			vvetiana i	iyurology	riesent:	_ <u></u>	
Saturation Pr	esent?	Yes □	Dep	h·	(in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Describe Reco		tream gauge, moni	<u> </u>			ections).	if available:					
	orded Data (s		itoring well, a	erial photos, pro		ections),	if available:					
Describe Reco	orded Data (s	tream gauge, moni ried algal crust on	itoring well, a	erial photos, pro		ections),	if available:					
Remarks:	orded Data (s		itoring well, a	erial photos, pro		ections),	if available:					
Remarks:	orded Data (s There is a d	ried algal crust on	itoring well, a	erial photos, pro	evious insp	·		dicators.)				
Remarks:  SOILS Profile Descri	orded Data (s There is a d ption (Descri		itoring well, and the soil surf	erial photos, proace.	evious insp	onfirm the	e absence of in					
Remarks:  SOILS Profile Descri	orded Data (s There is a d ption (Descri	ried algal crust on	itoring well, and the soil surf	erial photos, proace.	evious insp	onfirm the	e absence of in					
Remarks:  SOILS Profile Descri	orded Data (s There is a d ption (Descri	ried algal crust on	itoring well, and the soil surf	erial photos, proace.	evious insp	onfirm the	e absence of in ore Lining, M=Matri					
Remarks:  SOILS Profile Descri (Type: C=Concen	orded Data (s There is a d ption (Descri	ried algal crust on be to the depth ne etion, RM=Reduced Ma	itoring well, and the soil surf	erial photos, pro ace. ument the indi	evious insponential cator or co	onfirm the	e absence of in ore Lining, M=Matri		Texture		Remarks	
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Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-3	ption (Descrintration, D=Deple	be to the depth ne etion, RM=Reduced Matrix Color (Moist)	the soil surfeeded to docatrix, CS=Cover	erial photos, proace.  The indicated section of the indicated section o	cator or co Grains; Locat	onfirm the ion: PL=Pe Mottle	e absence of in ore Lining, M=Matri es Type	Location	SCL	fine sandy		
Remarks:  SOILS Profile Descri (Type: C=Concen	orded Data (s There is a d ption (Descri	ried algal crust on be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	itoring well, and the soil surface ded to doc atrix, CS=Cover	crial photos, procedure.  ument the indiced/Coated Sand (Coated Sand (	cator or co Grains; Locat Moist)	onfirm the ion: PL=Pe	e absence of in ore Lining, M=Matri es Type C	Location  M	SCL FS	fine sandy varies from 3-8 in		
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11	ption (Descritration, D=Depleted Data (see	ried algal crust on be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 6/2	toring well, and the soil surface ded to doc atrix, CS=Cover	crial photos, procedure.  Iment the indiced/Coated Sand (Coated Sand (	cator or co Grains; Locat Moist)	Mottle  5 5	e absence of in ore Lining, M=Matri es Type C C	Location  M M	SCL FS FS	varies from 3-8 in	ches thick	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-3	ption (Descrintration, D=Deple	be to the depth ne etion, RM=Reduced Matrix Color (Moist)	the soil surfeeded to docatrix, CS=Cover	crial photos, procedure.  Iment the indiced/Coated Sand (Coated Sand (	cator or co Grains; Locat Moist)	onfirm the ion: PL=Pe	e absence of in ore Lining, M=Matri es Type C	Location  M	SCL FS	varies from 3-8 in		
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Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-3  3-11  11-18	ption (Descrintration, D=Depleter Hue_10YR Hue_2.5Y Hue_2.5Y	ried algal crust on be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  6/2  5/1	the soil surfeeded to docatrix, CS=Cover	crial photos, procedure.  Imment the indiced/Coated Sand (Coated Sand	cator or co Grains; Locat Moist)  5/6  5/8  3/4	Mottle  5  5  5	e absence of inore Lining, M=Matri	Location  M M	SCL FS FS	varies from 3-8 in	ches thick	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11	ption (Descrintration, D=Depleter Hue_10YR Hue_2.5Y Hue_2.5Y	ried algal crust on be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  6/2  5/1	the soil surfeeded to docatrix, CS=Cover	crial photos, procedure.  Iment the indiced/Coated Sand (Coated Sand (	cator or co Grains; Locat Moist)  5/6  5/8  3/4	Mottle  5  5  5	e absence of in ore Lining, M=Matri es Type C C	Location  M M	SCL FS FS CL	varies from 3-8 in	ches thick re linings, and root channels	
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-3  3-11  11-18	ption (Descrintration, D=Depleter Hue_10YR Hue_2.5Y Hue_2.5Y	ried algal crust on be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  6/2  5/1	the soil surfeeded to docatrix, CS=Cover	crial photos, procedure.  ument the indicators are residued.	cator or co Grains; Locat Moist)  5/6 5/8 3/4	Mottle 5	e absence of inore Lining, M=Matri	Location  M M M	SCL FS FS CL	varies from 3-8 in conc in matrix, po	ches thick re linings, and root channels	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	ption (Descriptration, D=Deplementation, D=Deple	ried algal crust on  be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (ch	the soil surfaceded to docatrix, CS=Cover	Color (ID) Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Adicators are r	cator or co Grains; Locat Moist)  5/6 5/8 3/4  not present	Mottle 5	e absence of inore Lining, M=Matri	Location  M M M	SCL FS FS CL Indicators A9 - 1 cm N	varies from 3-8 in conc in matrix, po	ches thick re linings, and root channels  Soils	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	ption (Descrintration, D=Depleter Hue_10YR Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Epi	ried algal crust on  be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)	the soil surfaceded to docatrix, CS=Cover	crial photos, procedure.  Iment the indicators are response to the control of the	cator or co Grains; Locat Moist)  5/6 5/8 3/4  oot present	Mottle %  5 5 5 t):	e absence of inore Lining, M=Matri	Location  M M M	SCL FS FS CL Indicators A9 - 1 cm N A16 - Coas	varies from 3-8 in conc in matrix, post for Problematic Muck (LRR I, J) t Prairie Redox (	ches thick re linings, and root channels  Soils	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	ption (Descrintration, D=Deplementation, D=Deple	ried algal crust on  be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)	the soil surfaceded to docatrix, CS=Cover	Color (ID) Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped	cator or co Grains; Locat Moist)  5/6 5/8 3/4  eot present	Mottle % 5 5 5	e absence of inore Lining, M=Matri	Location  M M M	SCL FS FS CL Indicators A9 - 1 cm N A16 - Coas S7 - Dark S	varies from 3-8 in conc in matrix, positive for Problematic Muck (LRR I, J) t Prairie Redox (Surface (LRR G)	ches thick  re linings, and root channels  Soils  LRR F, G, H)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	ption (Descriptration, D=Deplementation, D=Deple	ried algal crust on  be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)	the soil surfaceded to docatrix, CS=Cover	Color (ID) Hue_2.5Y Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR 1 S6 - Stripped 1 F1 - Loamy No	cator or co Grains; Locat Moist)  5/6 5/8 3/4  not present	Mottle % 5 5 5	e absence of inore Lining, M=Matri	Location  M M M	SCL FS FS CL Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J)  t Prairie Redox ( Surface (LRR G)  Plains Depression	ches thick re linings, and root channels  Soils	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	ption (Descrintration, D=Depletration, D=Deple	ried algal crust on  be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  spedon tic n Sulfide Layers (LRR F)	the soil surfaceded to docatrix, CS=Cover	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat Moist)  5/6 5/8 3/4  oot present	Mottle % 5 5 5	e absence of inore Lining, M=Matri	Location  M M M	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic	ches thick  re linings, and root channels  Soils  LRR F, G, H)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	tration, D=Depleteration, D=Depleteratio	ried algal crust on  be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  spedon etic n Sulfide Layers (LRR F) ck (LRR FGH)	the soil surfaceded to docatrix, CS=Covers    %   10   90   95     neck here if in the soil surfaced to docatrix   10   10   10   10   10   10   10   1	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat Moist)  5/6 5/8 3/4  oot present edox Matrix lucky Minera leyed Matrix Matrix ark Surface	Mottle % 5 5 5 t):	e absence of inore Lining, M=Matri	Location  M M M	SCL FS FS CL Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic Parent Material	ches thick  re linings, and root channels  Soils  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	tration, D=Depleteration, D=Depleteratio	ried algal crust on  be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	the soil surfaced to docatrix, CS=Covers    10	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat Moist)  5/6 5/8 3/4  oot present edox Matrix lucky Minera lleyed Matrix Matrix ark Surface Dark Surfa	Mottle % 5 5 5 t):	e absence of inore Lining, M=Matri	Location  M M M	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic	ches thick  re linings, and root channels  Soils  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	tration, D=Depleter Depleter D	ried algal crust on  be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  Expected to the depth neetion of Sulfide Layers (LRR F)  Expected (LRR FGH)  Id Below Dark Surface ark Surface	the soil surfaced to docatrix, CS=Covers    10	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat  Moist)  5/6 5/8 3/4  oot present edox Matrix lucky Minera eleyed Matrix Matrix ark Surface Dark Surfa epressions	Mottle % 5 5 5 t):	e absence of inore Lining, M=Matri	Location  M M M O O O O O O O O O O O O O O O O	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic Parent Material y Shallow Dark S	ches thick  re linings, and root channels  Soils  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	tration, D=Depleteration, D=Depleteratio	ried algal crust on  be to the depth neetion, RM=Reduced Marix  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  ipedon  itic  in Sulfide  Layers (LRR F)  ck (LRR FGH)  d Below Dark Surface  ark Surface  ark Surface  ark Surface  ark y Mineral  ark Peat or Peat (L	the soil surfaceded to docatrix, CS=Covered at 10 90 95 95 10 10 10 10 10 10 10 10 10 10 10 10 10	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat  Moist)  5/6 5/8 3/4  oot present edox Matrix lucky Minera eleyed Matrix Matrix ark Surface Dark Surfa epressions	Mottle % 5 5 5 t):	e absence of inore Lining, M=Matri	Location  M M M O O O O O O O O O O O O O O O O	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very Other (Expl	varies from 3-8 in  conc in matrix, po  for Problematic Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic Parent Material y Shallow Dark S ain in Remarks)	ches thick  re linings, and root channels  c Soils¹  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	tration, Descriptration, Depleter Hue_2.5Y  Hue_2.5Y  Hue_2.5Y  Hue_2.5Y  A1- Histosol A2 - Histic Epic A3 - Black History A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Depleter A12 - Thick Di S1 - Sandy Mi S2 - 2.5 cm Mi S3 - 5 cm Muc	ried algal crust on  be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  ck (LRR F)  ck (LRR FGH)  d Below Dark Surface  ark Surface  ucky Mineral  ucky Peat or Peat (LR)  cky Peat or Peat (LR)	the soil surfaceded to docatrix, CS=Covered at 10 90 95 95 10 10 10 10 10 10 10 10 10 10 10 10 10	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat  Moist)  5/6 5/8 3/4  oot present edox Matrix lucky Minera eleyed Matrix Matrix ark Surface Dark Surfa epressions	Mottle % 5 5 5 t):	e absence of inore Lining, M=Matri	Location  M M M O O O O O O O O O O O O O O O O	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very Other (Expl	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic Parent Material y Shallow Dark Stain in Remarks)	ches thick  re linings, and root channels  Soils  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	tration, D=Depleteration, D=Depleteratio	ried algal crust on  be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  ck (LRR F)  ck (LRR FGH)  d Below Dark Surface  ark Surface  ucky Mineral  ucky Peat or Peat (LR)  cky Peat or Peat (LR)	the soil surfaceded to docatrix, CS=Covered at 10 90 95 95 10 10 10 10 10 10 10 10 10 10 10 10 10	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat  Moist)  5/6 5/8 3/4  oot present edox Matrix lucky Minera eleyed Matrix Matrix ark Surface Dark Surfa epressions	Mottle % 5 5 5 t):	e absence of inore Lining, M=Matri	Location  M M M O O O O O O O O O O O O O O O O	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very Other (Expl	varies from 3-8 in  conc in matrix, po  for Problematic Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic Parent Material y Shallow Dark S ain in Remarks)	ches thick  re linings, and root channels  c Soils¹  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	tration, Descriptration, Depleter Hue_2.5Y  Hue_2.5Y  Hue_2.5Y  Hue_2.5Y  A1- Histosol A2 - Histic Epic A3 - Black History A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Depleter A12 - Thick Di S1 - Sandy Mi S2 - 2.5 cm Mi S3 - 5 cm Muc	ried algal crust on  be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  ck (LRR F)  ck (LRR FGH)  d Below Dark Surface  ark Surface  ucky Mineral  ucky Peat or Peat (LR)  cky Peat or Peat (LR)	the soil surfaceded to docatrix, CS=Covered at 10 90 95 95 10 10 10 10 10 10 10 10 10 10 10 10 10	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat  Moist)  5/6 5/8 3/4  oot present edox Matrix lucky Minera eleyed Matrix Matrix ark Surface Dark Surfa epressions	Mottle % 5 5 5 t):	e absence of inore Lining, M=Matri	Location  M M M O O O O O O O O O O O O O O O O	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very Other (Expl	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic Parent Material y Shallow Dark Stain in Remarks)	ches thick  re linings, and root channels  c Soils¹  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	tration, Descriptration, Depleter Hue_2.5Y  Hue_2.5Y  Hue_2.5Y  Hue_2.5Y  A1- Histosol A2 - Histic Epitration A3 - Black History A3 - Black History A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Depleter A12 - Thick Di S1 - Sandy Mi S2 - 2.5 cm Mi S3 - 5 cm Muc S4 - Sandy Gl	ried algal crust on  be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  ck (LRR F)  ck (LRR FGH)  d Below Dark Surface  ark Surface  ucky Mineral  ucky Peat or Peat (LR)  cky Peat or Peat (LR)	the soil surfaceded to docatrix, CS=Covered at 10 90 95 95 10 10 10 10 10 10 10 10 10 10 10 10 10	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat  Moist)  5/6 5/8 3/4  oot present edox Matrix lucky Minera eleyed Matrix Matrix ark Surface Dark Surfa epressions	Mottle % 5 5 5 t):	e absence of in ore Lining, M=Matri	Location  M M M O O O O O O O O O O O O O O O O	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redur TF2 - Red F TF12 - Very Other (Expl	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J) t Prairie Redox ( Surface (LRR G) Plains Depression ced Vertic Parent Material y Shallow Dark Stain in Remarks)	ches thick  re linings, and root channels  c Soils¹  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-3 3-11  11-18  NRCS Hydri	There is a d  ption (Descriptration, D=Depleteration, D=Depleteration)  Hue_10YR Hue_2.5Y  Hue_2.5Y  Ic Soil Field  A1- Histosol A2 - Histic Epic A3 - Black History A3 - Black History A4 - Hydroger A5 - Stratified A9 - 1 cm Muc A11 - Depleteration A11 - Depleteration A12 - Thick Di S1 - Sandy Mi S2 - 2.5 cm Muc S3 - 5 cm Muc S4 - Sandy Gl  Type:	ried algal crust on  be to the depth neetion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  6/2  5/1  Indicators (characters)  Expedon and the color (LRR F)  Expedon Color (LRR F)  Exped	the soil surfaceded to docatrix, CS=Covered to docatri	Color (ID) Hue_2.5Y Hue_10YR H	cator or co Grains; Locat Moist)  5/6 5/8 3/4  not present edox Matrix lucky Minera eleyed Matrix Matrix ark Surface Dark Surfa epressions ains Depres	Mottle  Mottle  %  5  5  t):	e absence of inore Lining, M=Matrices  Type  C C C C Hydric Soi	Location  M M M H H II Present?	SCL FS FS CL  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very Other (Expl	varies from 3-8 in  conc in matrix, po  for Problematic  Muck (LRR I, J)  t Prairie Redox ( Surface (LRR G)  Plains Depression  ced Vertic  Parent Material  y Shallow Dark Stain in Remarks)  hydrophytic vegetate  ped or problematic.	ches thick  re linings, and root channels  c Soils¹  LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site	: L3R				Sample Point: w-153n44w12-a1				
VEGETATIO	、 .	re non-native	species.)						
Tree Stratum	(Plot size: 30 ft. radius)								
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.					1				
2.					Number of Dominant Species that are OBL, FACW, or FAC:(A)				
3.					1				
4.					Total Number of Dominant Species Across All Strata: 3 (B)				
5.					1				
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.									
10.	 Total Cover =	0	OBL spp. $0 \times 1 = 0$						
	Total Gover =	,	_		FACW spp. $55$ $\times 2 = 110$				
Combiner/Obrash	Chapting (Dist size, 45 ft and ins)				FAC spp. $\begin{array}{cccccccccccccccccccccccccccccccccccc$				
	Stratum (Plot size: 15 ft. radius)				FACU Spp. $\frac{37}{4}$ X 4 = $\frac{148}{4}$				
1.					UPL spp. $0   x   5 = 0$				
2.					T. 1. 00 (1)				
3.					Total 92 (A) 258 (B)				
4.									
5.					Prevalence Index = B/A = 2.804				
6.									
7.					$\mathbf{I}$				
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
	 Total Cover =	0			X Prevalence Index is ≤ 3.0 *				
			<del>_</del>		 Morphological Adaptations (Explain) *				
Herb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Amaranthus retroflexus	25	Υ	FACU	Problem riydrophytic vegetation (Explain)				
2.				FACW	* Indicators of hydric soil and wetland hydrology must be				
	Leptochloa fusca	25	<u>т</u> Ү		present, unless disturbed or problematic.				
3.	Persicaria maculosa	25		FACW	·				
4.	Artemisia biennis	10	N	FACU	Definitions of Vegetation Strata:				
5.	Rumex fueginus	5	N	FACW	<u> </u>				
6	Setaria pumila	2	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast				
7.					height (DBH), regardless of height.				
8.					1				
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.					1				
11.					1				
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.	,				Woody Vines - All woody vines, regardless of height.				
10.	Total Cover =	92							
	Total Cover =	92	_		1				
\\\ \\\ \\	that was (Dist sizes 00 ft sasting)								
	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present?Y				
5.									
4.									
Total Cover = 0									
Remarks:	An annual plant community in a seasonally t	ilooded bas	in. Hydro	phytic veg	etation is present.				
	•		•	_					
Additional Remarks:									
Additional Remarks:									