## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	09/29/14
Applicant:											County:	Red Lake
Investigators	::		Subregion (MLRA or LRR):					MLRA 56		State:	MN	
Soil Unit:	159A						NWI	Classification	:			
Landform:	Depression Local Relief: CC									Sample Point:	w-152n43w25-a1	
Slope (%):	3 - 7%		Latitude: 47	.961752		Longitude:	-96.102	685	Datum:		1	
		nditions on the site			of vea				☑Yes	□No	Section:	
Are Vegetati		☐ or Hydrology				11 . (II IIO, CA)		normal circun			Township:	
Are Vegetati		or Hydrology					Aic	✓ Yes	□No	C3CIII:		Di
			Liturally	problema	IC?			<u> </u>			Range:	Dir:
SUMMARY (												
Hydrophytic			Ye							Is Present?		
Wetland Hyd	Irology Prese	nt?	Ye								nt Within A W	
Remarks: The wetland is a seasonally-flooded basin located in a planted corn field. In this area specifically, no corn was planted, most likely due to wet conditions in the												
spring. The wetland vegetation is very sparse but contains narrow-leaf cattail and lady's thumb.												
HYDROLOG	Υ											
					_							
		icators (Check all	that apply;	; Minimum	of on	e primary	or two se	econdary requi	red):			
Primary					_					Secondary		
A1 - Surface Water						B11 - Salt					B6 - Surface S	
_	A2 - High Water Table											/egetated Concave Surface
	A3 - Saturation B1 - Water M											e Patterns Rhizospheres on Living Roots (tille
1 5	B2 - Sedimen							pheres on Living	Roots (not till		C8 - Crayfish E	
1 5	B3 - Drift Dep					C4 - Prese			rtooto (not un			Visible on Aerial Imagery
I =	B4 - Algal Ma					C7 - Thin N					D2 - Geomorp	
	B5 - Iron Dep					Other (Exp				<b>4</b>	D5 - FAC-Neu	ral Test
	B7 - Inundation	n Visible on Aerial Im	agery								D7 - Frost-Hea	ved Hummocks (LRR F)
	B9 - Water-St	ained Leaves										
Field Obser	vations:											
Surface Wat	er Present?	Yes 🔲	De	epth:		(in.)						
Water Table		Yes 🗆		epth:					Wetland F	lydrology	Present?	Υ
		_										<del>_</del>
Saturation Present? Yes Depth: (in.)												
Odtaration				<u></u>		()						
		stream gauge, moni			os, pre		ections),	if available:				
	orded Data (s	stream gauge, moni	toring well,	aerial phot		evious insp			hydrophytic	vegetation	, soil cracking	, and landscape position.
Describe Rec	orded Data (s	stream gauge, moni	toring well,	aerial phot		evious insp			hydrophytic	vegetation	, soil cracking	, and landscape position.
Describe Rec	orded Data (s	stream gauge, moni	toring well,	aerial phot		evious insp			hydrophytic	vegetation	, soil cracking	, and landscape position.
Describe Rec Remarks:	orded Data (s No primary	stream gauge, moni	toring well, indicators	aerial phot	nt. So	evious insp ils are ass	sumed hy	dric based on		vegetation	, soil cracking	, and landscape position.
Describe Red Remarks: SOILS Profile Descr	orded Data (s  No primary iption (Descri	stream gauge, moni wetland hydrology	toring well, indicators eded to do	aerial phot are prese	nt. So	evious insp ils are ass cator or co	sumed hy	ydric based on e absence of ir	ndicators.)	vegetation	, soil cracking	, and landscape position.
Describe Red Remarks: SOILS Profile Descr	orded Data (s  No primary iption (Descri	stream gauge, moni wetland hydrology be to the depth ne	toring well, indicators eded to do	aerial phot are prese	nt. So	evious insp ils are ass cator or co	sumed hy	ydric based on e absence of ir	ndicators.)	vegetation	, soil cracking	, and landscape position.
Describe Red Remarks: SOILS Profile Descr	orded Data (s  No primary iption (Descri	stream gauge, moni wetland hydrology be to the depth ne etion, RM=Reduced Ma	toring well, indicators eded to do	aerial phot are prese	nt. So	evious insp ils are ass cator or co	onfirm the	vdric based on e absence of ir ore Lining, M=Mati	ndicators.)	vegetation	, soil cracking	, and landscape position.
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	orded Data (s  No primary iption (Descri	stream gauge, moni wetland hydrology be to the depth ne etion, RM=Reduced Ma	toring well, indicators eded to do atrix, CS=Cov	aerial phot are prese	e indi	evious insp ils are ass cator or co Grains; Loca	onfirm the	dric based on e absence of ir ore Lining, M=Mati	ndicators.)		, soil cracking	
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	No primary  iption (Descriptration, D=Depl	be to the depth neetion, RM=Reduced Matrix Color (Moist)	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese	nt. So	evious insp ils are ass cator or co Grains; Loca	onfirm the	vdric based on e absence of ir ore Lining, M=Mati	ndicators.)	Texture	, soil cracking	, and landscape position.  Remarks
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce	No primary iption (Descri	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese	e indicate of the state of the	evious insp ils are ass cator or co Grains; Loca Moist)	onfirm the	odric based on e absence of ir ore Lining, M=Mate es Type	ndicators.)	Texture CL	, soil cracking	
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce	No primary  iption (Descriptration, D=Depl	be to the depth neetion, RM=Reduced Matrix Color (Moist)	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese coment the red/Coated % C 00 Hue	e indies Sand (	evious insp ils are ass cator or co Grains; Loca Moist)	onfirm the tion: PL=Pe	e absence of ir ore Lining, M=Mati es Type	dicators.) ix) Location M	Texture CL C	, soil cracking	
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce	No primary iption (Descri	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese	e indies Sand (	evious insp ils are ass cator or co Grains; Loca Moist)	onfirm the	odric based on e absence of ir ore Lining, M=Mate es Type	ndicators.)	Texture CL	, soil cracking	
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce	No primary iption (Descri	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese coment the red/Coated % C 00 Hue	e indies Sand (	evious insp ils are ass cator or co Grains; Loca Moist)	onfirm the tion: PL=Pe	e absence of ir ore Lining, M=Mati es Type	dicators.) ix) Location M	Texture CL C		
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce	No primary iption (Descri	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese coment the red/Coated % C 00 Hue	e indies Sand (	evious insp ils are ass cator or co Grains; Loca Moist)	onfirm the tion: PL=Pe	e absence of ir ore Lining, M=Mati es Type	dicators.) ix) Location M	Texture CL C		
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce	No primary iption (Descri	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese coment the red/Coated % C 00 Hue	e indies Sand (	evious insp ils are ass cator or co Grains; Loca Moist)	onfirm the tion: PL=Pe	e absence of ir ore Lining, M=Mati es Type	dicators.) ix) Location M	Texture CL C		
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20	No primary  iption (Descrintration, D=Depl  Hue_10YR  Hue_10YR	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese ccument the rered/Coated % CC 00 Hue Hue	e indii Sand ( olor (I 10YR	cator or co Grains; Loca Moist)	onfirm the tion: PL=Pe  Mottle  %  25  25	vdric based on e absence of ir ore Lining, M=Mate es Type C C	dicators.) ix) Location M	Texture CL C		
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20	No primary iption (Descri	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese ccument the rered/Coated % CC 00 Hue Hue	e indii Sand ( olor (I 10YR	cator or co Grains; Loca Moist)	onfirm the tion: PL=Pe  Mottle  %  25  25	e absence of ir ore Lining, M=Mati es Type	dicators.) ix) Location M	Texture CL C	Mixed matrix.	Remarks
Describe Rec Remarks: SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydr	orded Data (s No primary  iption (Descriptration, D=Depl  Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese cument thered/Coated % C 00 Hue Hue	e indicate i	cator or cograins; Local Moist)  6/8 2/1	onfirm the tion: PL=Pe  Mottle  %  25  25	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location  M M	Texture CL C	Mixed matrix.	Remarks
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	orded Data (s No primary  iption (Descriptration, D=Depl  Hue_10YR Hue_10YR  A1- Histosol	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3  Indicators (ch	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese cument the rered/Coated  % C 00 Hue Hue  indicators	e indie Sand (Indies Sand (Indi	evious inspills are assigned and according to the control of the c	onfirm the tion: PL=Pe  Mottle  %  25  25	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location  M M	Texture CL C C C C	Mixed matrix.  for Problematic luck (LRR I, J)	Remarks
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.)  0-8  8-20  NRCS Hydi	iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3  Indicators (chippedon	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese cument the red/Coated  Company Coated  Company Coated  Company Coated  Company Coated  C	e indid Sand (Sand	evious inspills are assigned and assigned are assigned as	sumed hy confirm the tion: PL=Po Mottle % 25 25 25 tt):	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location  M M	Texture CL C C Indicators:	Mixed matrix.  for Problematic fluck (LRR I, J) Prairie Redox (	Remarks
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydr	iption (Descrintration, D=Depl	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3  Indicators (chippedon stic	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese cument the red/Coated  Comment the red/Coated	e indii Sand O Olor (I 10YR 10YR	evious inspiritude in spiritude	onfirm the tion: PL=Po	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location  M M	Texture CL C C Indicators is A9 - 1 cm M A16 - Coasts S7 - Dark S	Mixed matrix.  for Problematic for LRR I, J) Prairie Redox ( urface (LRR G)	Remarks  E Soils <sup>1</sup> LRR F, G, H)
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Description, D=Deplication,	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  15/3  Indicators (chaipedon stic n Sulfide	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese cument thered/Coated  % C 00 Hue Hue  \$55 - \$6 \$6 - \$1 \$71 - \$1 \$72 - \$1 \$72 - \$1	e indicate i	evious inspecial serious inspectial serious inspecial serious insp	onfirm the tion: PL=Po	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location  M M	Texture CL C C A9 - 1 cm M A9 - 1 cm A9 . 1 cm	Mixed matrix.  for Problematic fluck (LRR I, J) r Prairie Redox ( urface (LRR G) Plains Depressic	Remarks
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Description, D=Deplication,	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3  Indicators (chairpedon stic n Sulfide Layers (LRR F)	toring well, indicators eeded to do atrix, CS=Cov	aerial phot are prese cument the rered/Coated  % C 00 Hue Hue  \$5 - \$6 - \$6   \$6 - \$1 - \$1 - \$2 - \$2 - \$2 - \$2 - \$2 - \$2	e indicate i	evious inspills are assisted and are assisted as	monfirm the confirm the confirm the confirm the confirm the confirm the confirm the confirmation of the co	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location  M M	Texture CL C C C Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc	Mixed matrix.  for Problematic fluck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression	Remarks  E Soils <sup>1</sup> LRR F, G, H)
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.)  0-8  8-20  NRCS Hydi	iption (Descriptration, D=Deplintration,	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1 5/3  Indicators (chipedon in Sulfide Layers (LRR F) ck (LRR FGH)	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument the rered/Coated  % COOO Hue Hue  5 indicators  \$ \$5 - \$i\$ \$ \$6 - \$i\$ \$ \$6 - \$i\$ \$ \$7 - \$1\$ \$ \$6 - \$6\$ \$ \$6 - \$6\$ \$ \$7 - \$2\$ \$ \$6 - \$6\$ \$ \$7 - \$2\$ \$ \$6 - \$6\$ \$ \$7 - \$2\$	e indii Sand ( Olor (I 10YR 110YR a are r	evious inspills are associator or cograins; Local Moist)  6/8 2/1  anot presented Matrix lucky Mineraleyed Matrix Matrix ark Surface	monfirm the confirm the confirm the confirm the confirm the confirm the confirm the confirmation in the co	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location  M M	Texture CL C C Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High R F18 - Reduc	Mixed matrix.  for Problematic luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressic sed Vertic Parent Material	Remarks  E Soils <sup>1</sup> LRR F, G, H)  VINS (LRR H, outside MLRA 72, 73)
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Descrintration, D=Depl  Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1 5/3  Indicators (chipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument the red/Coated  % CO 00 50 Hue Hue  \$5 - Si \$6 - Si \$7 - Di \$7 - Di \$7 - Di \$7 - Di	e india Sand (  olor (I  10YR  110YR  are r  are r  are g  are g  are g  are g  b  color (I  col	cator or cograins; Local  Moist)  6/8 2/1  aot presen edox Matrix lucky Mineraleyed Matrix Matrix Matrix Matrix Matrix Surface Dark Surface	monfirm the confirm the confirm the confirm the confirm the confirm the confirm the confirmation in the co	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location  M M	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Red ur TF2 - Red F TF12 - Very	Mixed matrix.  for Problematic for Problematic fuck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ced Vertic arrent Material Shallow Dark S	Remarks  E Soils <sup>1</sup> LRR F, G, H)  VINS (LRR H, outside MLRA 72, 73)
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Description, D=Deplication,	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  Indicators (chipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument thered/Coated  % CO 00 50 Hue Hue  5 indicators  S5 - Si S6 - Si F1 - Lc F2 - Lc F3 - Di F6 - Ri F7 - Cc F8 - Ri F8 - Ri	e india Sand (  olor (I  Olor	evious inspecial serious inspection in serious inspecial serious inspecial serious inspecial serious inspection in serious in seri	monfirm the story of the story	e absence of ir ore Lining, M=Mate	Location M M	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Red ur TF2 - Red F TF12 - Very	Mixed matrix.  for Problematic luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressic sed Vertic Parent Material	Remarks  E Soils <sup>1</sup> LRR F, G, H)  VINS (LRR H, outside MLRA 72, 73)
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Description, Depplied in the property of the property	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  Indicators (chipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument thered/Coated  % CO 00 50 Hue Hue  5 indicators  S5 - Si S6 - Si F1 - Lc F2 - Lc F3 - Di F6 - Ri F7 - Cc F8 - Ri F8 - Ri	e india Sand (  olor (I  Olor	evious inspecial serious inspection in serious inspecial serious inspecial serious inspecial serious inspection in serious in seri	monfirm the story of the story	vdric based on e absence of ir ore Lining, M=Mate es Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Red ur TF2 - Red F TF12 - Very	Mixed matrix.  for Problematic for Problematic fuck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ced Vertic arrent Material Shallow Dark S	Remarks  E Soils <sup>1</sup> LRR F, G, H)  VINS (LRR H, outside MLRA 72, 73)
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  Indicators (chairpedon stice on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument thered/Coated  % CO 00 50 Hue Hue  5 indicators  S5 - Si S6 - Si F1 - Lc F2 - Lc F3 - Di F6 - Ri F7 - Cc F8 - Ri F8 - Ri	e india Sand (  olor (I  Olor	evious inspecial serious inspection in serious inspecial serious inspecial serious inspecial serious inspection in serious in seri	monfirm the story of the story	e absence of ir ore Lining, M=Mate	Location M M	Indicators of A9 - 1 cm M A16 - Coast S7 - Dark S7 F16 - High F18 - Reduc TF2 - Red F1F12 - Very Other (Explain	Mixed matrix.  For Problematic fluck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Parent Material Shallow Dark S ain in Remarks)	Remarks  E Soils <sup>1</sup> LRR F, G, H)  VINS (LRR H, outside MLRA 72, 73)
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.)  0-8  8-20  NRCS Hydi	iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3  Indicators (chipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRk Peat or Peat or Peat (LRk Peat or Peat (LRk Peat or Peat or	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument thered/Coated  % CO 00 50 Hue Hue  5 indicators  S5 - Si S6 - Si F1 - Lc F2 - Lc F3 - Di F6 - Ri F7 - Cc F8 - Ri F8 - Ri	nt. So e indii Sand (  olor (I  Olor (I	evious inspecial serious inspection in serious inspecial serious inspecial serious inspecial serious inspection in serious in seri	monfirm the story of the story	e absence of ir ore Lining, M=Mate	Location M M	Texture CL C C Indicators in A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF12 - Very Other (Explain of Indicators of I	Mixed matrix.  For Problematic fluck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Parent Material Shallow Dark S ain in Remarks)	Remarks  Provided the second of the second o
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S3 - 5 cm Mu S3 - 5 cm Mu	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3  Indicators (chipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRk Peat or Peat or Peat (LRk Peat or Peat (LRk Peat or Peat or	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument thered/Coated  % CO 00 50 Hue Hue  5 indicators  S5 - Si S6 - Si F1 - Lc F2 - Lc F3 - Di F6 - Ri F7 - Cc F8 - Ri F8 - Ri	nt. So e indii Sand (  olor (I  Olor (I	evious inspecial serious inspection in serious inspecial serious inspecial serious inspecial serious inspection in serious in seri	monfirm the story of the story	e absence of ir ore Lining, M=Mate	Location M M	Texture CL C C Indicators in A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF12 - Very Other (Explain of Indicators of I	Mixed matrix.  Mixed matrix.  for Problematic luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Plains Depression Parent Material Parent Materi	Remarks  Provided the second of the second o
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.)  0-8  8-20  NRCS Hydi	iption (Descrintration, D=Deplintration,	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3  Indicators (chipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRk Peat or Peat or Peat (LRk Peat or Peat (LRk Peat or Peat or	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese	nt. So e indii Sand (  olor (I  10YR  110YR  a are r  andy R  ripped  ripped  pamy M  amy G  pepleted  pepleted  peleted  peleted	cator or cograins; Locar  Moist)  6/8  2/1  anot presen  edox Matrix ducky Minera dleyed Matrix Matrix ark Surface Dark Surface pressions ains Depres	monfirm the story of the story	e absence of ir ore Lining, M=Maties Type C C C	Location  M M  R H)	Indicators of lundess disturbed	Mixed matrix.  Mixed matrix.  for Problematic luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Plains Depression Parent Material Parent Materi	Remarks  Provided the second of the second o
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Descrintration, D=Deplintration,	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  Indicators (chaipedon stic hayers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRf leyed Matrix	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument the rered/Coated  % COOO Hue Hue  55 - Si S6 - Si F1 - Lc F2 - Lc F3 - Di F6 - Ri F7 - Di F8 - Ri F16 - H	nt. So e indii Sand (  olor (I  10YR  110YR  110YR  a are r  andy R  ripped damy M  anamy G  damy G  damy G  damy G  damy G  ligh Pla  Depth:	evious inspills are assigned and assigned assign	sumed hy confirm the tion: PL=Po  Mottle  % 25 25 25 tt):	e absence of ir ore Lining, M=Matters Type C C C HAMPING SOFT TO SERVICE STATE OF LINING SOFT TO SERVICE SOFT	Location  M M  RH)	Indicators of lundess disturbed	Mixed matrix.  Mixed matrix.  for Problematic luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Plains Depression Parent Material Parent Materi	Remarks  Provided the second of the second o
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.)  0-8  8-20  NRCS Hydi	iption (Descrintration, D=Deplintration,	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  5/3  Indicators (chipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRk Peat or Peat or Peat (LRk Peat or Peat (LRk Peat or Peat or	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument the rered/Coated  % COOO Hue Hue  55 - Si S6 - Si F1 - Lc F2 - Lc F3 - Di F6 - Ri F7 - Di F8 - Ri F16 - H	nt. So e indii Sand (  olor (I  10YR  110YR  110YR  a are r  andy R  ripped damy M  anamy G  damy G  damy G  damy G  damy G  ligh Pla  Depth:	evious inspills are assigned and assigned assign	sumed hy confirm the tion: PL=Po  Mottle  % 25 25 25 tt):	e absence of ir ore Lining, M=Matters Type C C C HAMPING SOFT TO SERVICE STATE OF LINING SOFT TO SERVICE SOFT	Location  M M  RH)	Indicators of lundess disturbed	Mixed matrix.  Mixed matrix.  for Problematic luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Plains Depression Parent Material Parent Materi	Remarks  Provided the second of the second o
Describe Rec Remarks:  SOILS Profile Descr (Type: C=Conce  Depth (In.) 0-8 8-20  NRCS Hydi	iption (Descrintration, D=Deplintration,	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  Indicators (chaipedon stic hayers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRf leyed Matrix	toring well, indicators  eeded to do atrix, CS=Cov	aerial phot are prese cument the rered/Coated  % COOO Hue Hue  55 - Si S6 - Si F1 - Lc F2 - Lc F3 - Di F6 - Ri F7 - Di F8 - Ri F16 - H	nt. So e indii Sand (  olor (I  10YR  110YR  110YR  a are r  andy R  ripped damy M  anamy G  damy G  damy G  damy G  damy G  ligh Pla  Depth:	evious inspills are assigned and assigned assign	sumed hy confirm the tion: PL=Po  Mottle  % 25 25 25 tt):	e absence of ir ore Lining, M=Matters Type C C C HAMPING SOFT TO SERVICE STATE OF LINING SOFT TO SERVICE SOFT	Location  M M  RH)	Indicators of lundess disturbed	Mixed matrix.  Mixed matrix.  for Problematic luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression Plains Depression Parent Material Parent Materi	Remarks  Provided the second of the second o

## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-152n43w25-a1			
VEGETATION		re non-native	species.)					
Tree Stratum (	Plot size: 30 ft. radius)							
	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet			
1.								
2.					Number of Dominant Species that are OBL, FACW, or FAC:(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.								
8.					Prevalence Index Worksheet			
9.					Total % Cover of: Multiply by:			
10.					OBL spp. 15			
	Total Cover =	0			FACW spp. 10			
			_		FAC spp. 5 x 3 = 15			
Sanling/Shruh	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0			
1.	Stratum (Fiot Size: 13 ft. radius)				UPL spp. 0 x 5 = 0			
2.	<u>'</u>				0. 2 opp			
3.	<u> </u>				Total 30 (A) 50 (B)			
3. 4.					Total 30 (A) 50 (B)			
					Dravelence Index = D/A = 4 007			
5.	]				Prevalence Index = B/A = 1.667			
6.								
7.								
8.					Hydrophytic Vegetation Indicators:			
9.					Rapid Test for Hydrophytic Vegetation			
10.					XDominance Test is > 50%			
	Total Cover =	0	_		X Prevalence Index is ≤ 3.0 *			
					Morphological Adaptations (Explain) *			
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Typha angustifolia	10	Υ	OBL				
2.	Persicaria maculosa	10	Υ	FACW	* Indicators of hydric soil and wetland hydrology must be			
3.	Lindernia dubia	5	N	OBL	present, unless disturbed or problematic.			
4.	Rumex crispus	5	N	FAC	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.			
13.				-				
14.				-				
15.					Woody Vines - All woody vines, regardless of height.			
15.	Total Cover =	30						
	Total Cover -	30	_					
Woods Vinn Ct	rotum (Diot oizo: 20 ft rodi:)							
	ratum (Plot size: 30 ft. radius)							
1.								
2.					Under the star Variation B (2)			
3.					Hydrophytic Vegetation Present? Y			
5.								
4.				_				
<u> </u>	Total Cover =							
Remarks:	The wetland vegetation is very sparse but d	ominated b	y narrow-le	eat cattail	and lady's thumb.			
Additional Remarks:								
]								