## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/14/14						
Applicant:									County:	Red Lake							
Investigators	i:	NTT/BEH		Subregion (MLRA or LRR):						State:	MN						
Soil Unit:	159A					•	Classification:	MLRA 56			<del></del>						
Landform:	Rise				cal Relief:		Classification			Camala Daint	4E4m44.w2E b4						
										Sample Point	u-151n41w35-b1						
Slope (%):	3 - 7%		Latitude: 47.8		Longitude:			Datum:		1							
Are climatic/h	hydrologic co	nditions on the site	e typical for t	this time of yea	ar? (If no, exp	olain in rema	arks)	⊡Yes	□ No	Section:							
Are Vegetation	on 🖵 Soil	☐ or Hydrology	□anificant	ly disturbed?		Are	e normal circun	nstances pro	esent?	Township:							
Are Vegetation		or Hydrology					Yes	□No ·		Range:	Dir:						
SUMMARY C			<b>—</b> itarany pi	obiomatio.						range.	DII.						
Hydrophytic \			Yes					Hydric Soi									
Wetland Hyd	Irology Prese	nt?	No							nt Within A W							
Remarks:	The upland	point is located or	n a rise in a t	illed soybean t	ield. No ve	egetatior	n is present thro	oughout the	area besid	les small poch	cets of clover and horsetail.						
	•	•				Ŭ	•	· ·		•							
LIVEROL CO	· ·																
HYDROLOG	Y																
Wetland Hv	drology Ind	icators (Check all	that apply: N	Minimum of on	e primary	or two se	econdary requi	red):									
Primary:		Catoro (Orroon an	and apply,		o pa. y	0	oooaa., .oqa.		Secondary								
	A1 - Surface \	Nater		П	B11 - Salt (	Crust				B6 - Surface S	Soil Cracks						
I	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface						
I	A3 - Saturation								B10 - Drainage								
I	B1 - Water M										Rhizospheres on Living Roots (tilled)						
I	B2 - Sedimen			☐ C3 - Oxidized Rhizospheres on Living Roots (not tills ☐							Burrows						
I	B3 - Drift Dep										Nisible on Aerial Imagery						
I	B4 - Algal Ma				C7 - Thin N					D2 - Geomorp							
I	B5 - Iron Dep				Other (Exp		200			D5 - FAC-Neu							
I		n Visible on Aerial Im	nagery	_	O 1.101 (E/A)	,					aved Hummocks (LRR F)						
I =	B9 - Water-St		.ugo. y						_	2	aroa mammoono (Entre)						
_	20 114(0) 0																
Field Observ	vations:																
Surface Water	er Present?	Yes $\square$	Dept	th:	(in.)			Madand I	ludual a au	D	NI.						
Water Table	Present?	Yes $\square$	Dept	th:	(in.)			wetiand F	lydrology	Present?	N						
		_									<del></del>						
Saturation Fi	iesent:	res 🗀	Бері	uı	(111.)		Saturation Present? Yes Depth: (in.)										
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:																	
Describe reco	orueu Dala (s	stream gauge, moni	itoring well, a	erial photos, pr	evious insp	ections),	if available:										
				erial photos, pr	evious insp	ections),	if available:										
Remarks:		hydrology indicato		erial photos, pr	evious insp	ections),	if available:										
Remarks:				erial photos, pr	evious insp	ections),	if available:										
Remarks: SOILS	No wetland	hydrology indicato	ors present.														
Remarks:  SOILS Profile Descri	No wetland	hydrology indicators be to the depth ne	ors present.	ument the indi	cator or co	onfirm th	e absence of ir										
Remarks:  SOILS Profile Descri	No wetland	hydrology indicato	ors present.	ument the indi	cator or co	onfirm th	e absence of ir										
Remarks:  SOILS Profile Descri	No wetland	hydrology indicators be to the depth ne	ors present.	ument the indi	cator or co	onfirm the	e absence of ir ore Lining, M=Mati										
Remarks:  SOILS Profile Descri	No wetland	hydrology indicators be to the depth ne	ors present.	ument the indi	cator or co	onfirm th	e absence of ir ore Lining, M=Mati										
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	eeded to doci	ument the indi	cator or co	onfirm the	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer	No wetland	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doct atrix, CS=Cover	ument the indi	cator or co	onfirm the	e absence of ir ore Lining, M=Mati		Texture		Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11	No wetland iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doctatrix, CS=Cover	ument the indi	cator or co Grains; Local Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location	SCL		Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer	No wetland	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doct atrix, CS=Cover	ument the indi	cator or co Grains; Local Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location M	SCL SC	pebbles present	Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11	No wetland iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doctatrix, CS=Cover	ument the indi	cator or co Grains; Local Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location	SCL	pebbles present	Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11	No wetland iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doctatrix, CS=Cover	ument the indi	cator or co Grains; Local Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location M	SCL SC	pebbles present	Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11	No wetland iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doctatrix, CS=Cover	ument the indi	cator or co Grains; Local Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location M	SCL SC	pebbles present	Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11	No wetland iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doctatrix, CS=Cover	ument the indi	cator or co Grains; Local Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location M	SCL SC	pebbles present	Remarks						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11	No wetland iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doctatrix, CS=Cover	ument the indi	cator or co Grains; Local Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location M	SCL SC	pebbles present	Remarks						
Remarks: SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y	hydrology indicator be to the depth ne etion, RM=Reduced M:  Matrix  Color (Moist)  2/1  5/2	eeded to doctatrix, CS=Cover	color (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	Cator or cc Grains; Local Moist) 6/8 4/6	Mottle %	e absence of ir ore Lining, M=Matr es Type	Location M	SCL SC	pebbles present	Remarks						
Remarks: SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y	hydrology indicator be to the depth ne etion, RM=Reduced M:  Matrix  Color (Moist)  2/1  5/2	eeded to doctatrix, CS=Cover	ument the indi	Cator or cc Grains; Local Moist) 6/8 4/6	Mottle %	e absence of ir ore Lining, M=Matr es Type C C	Location M	SCL SC SC								
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Description, D=Deption, D=Deption, D=Deption) Hue_10YR Hue_2.5Y	hydrology indicator be to the depth ne etion, RM=Reduced M:  Matrix  Color (Moist)  2/1  5/2	eeded to doctatrix, CS=Cover	ument the indi red/Coated Sand Color (I D Hue_10YR Hue_5YR	cator or co Grains; Local Moist) 6/8 4/6	Mottle %	e absence of ir ore Lining, M=Matr es Type C C	Location  M M	SCL SC SC	for Problematic							
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Description, D=Depl Hue_10YR Hue_2.5Y  ic Soil Field A1- Histosol	be to the depth neetion, RM=Reduced Mi  Matrix Color (Moist) 2/1 5/2 Indicators (ch	eeded to doci atrix, CS=Cover	ument the indi red/Coated Sand of Color (i) 0 Hue_10YR Hue_5YR  Indicators are r	cator or co Grains; Local Moist)  6/8  4/6  not presen	Mottle %	e absence of ir ore Lining, M=Matr es Type C C	Location M M	SCL SC SC Indicators	for Problemation	c Soils <sup>1</sup>						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Description, D=Depl Hue_10YR Hue_2.5Y  ic Soil Field  A1- Histosol A2 - Histic Ep	be to the depth neetion, RM=Reduced Mi  Matrix Color (Moist)  2/1  5/2  Indicators (chippedon	eeded to doce atrix, CS=Cover % 100 90 neck here if in	ument the indi red/Coated Sand ( Color () Hue_10YR Hue_5YR  Indicators are r	cator or co Grains; Local Moist)  6/8  4/6  not presen edox Matrix	Mottle %  5 5 tt):	e absence of ir ore Lining, M=Matr es Type C C	Location M M	SCL SC SC SC Indicators A9 - 1 cm M	for Problematie for Problematie fuck (LRR I, J) t Prairie Redox (	c Soils¹ (LRR F, G, H)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix Color (Moist)  2/1  5/2  Indicators (chains and indicators)	eeded to doctatrix, CS=Cover	ument the indi red/Coated Sand of Color (i) 0 Hue_10YR Hue_5YR  dicators are r	Cator or cc Grains; Local  Moist)  6/8  4/6  Autority  Motor presen  edox  Matrix  Mucky Minera	monfirm the tion: PL=Pi  Mottle  %  5  5  tt):	e absence of ir ore Lining, M=Matr es Type C C	Location M M	SCL SC SC SC Indicators A9 - 1 cm M A16 - Coasi	for Problematie fluck (LRR I, J) Prairie Redox ( urface (LRR G)	<del>c Soils 1</del> (LRR F, G, H)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Descriptration, D=Depl Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	hydrology indicator be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide	eeded to docuatrix, CS=Cover	ument the indi red/Coated Sand of Color (I 0 0 1 Hue_10YR Hue_5YR  Indicators are r Indicators are r Indicators Sandy R S6 - Stripped Indicators S	Cator or co Grains; Local  Moist)  6/8  4/6  not presen  edox  Matrix  Mucky Minera  Gleyed Matrix	monfirm the tion: PL=Pi  Mottle  %  5  5  tt):	e absence of ir ore Lining, M=Matr es Type C C	Location  M M	Indicators  A9 - 1 cm M  S7 - Dark S  F16 - High I	for Problematie fluck (LRR I, J) t Prairie Redox ( turface (LRR G) Plains Depressie	c Soils¹ (LRR F, G, H)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Description, D=Depl Hue_10YR Hue_2.5Y  ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F)	eeded to doci atrix, CS=Cover	ument the indi red/Coated Sand of Color (i) 0 Hue 10YR Hue 5YR  dicators are r  S5 - Sandy R S6 - Stripped N F2 - Loamy C F3 - Depletec	cator or co Grains; Local Moist)  6/8  4/6  anot presen edox Matrix Mucky Minera Eleyed Matrix I Matrix	onfirm the	e absence of ir ore Lining, M=Matr es Type C C	Location  M M	Indicators A9 - 1 cm M A16 - Coasi J S7 - Dark S F16 - High I F18 - Reduc	for Problemation for Pr	<del>c Soils 1</del> (LRR F, G, H)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Description, D=Depl Hue_10YR Hue_2.5Y  ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A9 - 1 cm Mu	be to the depth neetion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (chaipedon in Sulfide Layers (LRR F) ck (LRR FGH)	eeded to doci atrix, CS=Cover	ument the indi red/Coated Sand of Color (i) 0 Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depletec F6 - Redox D	cator or co Grains; Local Moist)  6/8  4/6  4/6  not presen edox Matrix lucky Minera Sleyed Matrix ark Surface	Mottle % 5 5 tt):	e absence of ir ore Lining, M=Matr es Type C C	Location M M	Indicators A9 - 1 cm M A16 - Coasi S7 - Dark S F18 - High I F16 - High I F18 - Redu	for Problemation  Muck (LRR I, J)  I Prairie Redox ( urface (LRR G)  Plains Depression  Cod Vertic  Parent Material	C Soils <sup>1</sup> [LRR F, G, H)  DOS (LRR H, outside MLRA 72, 73)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A6 - 1 cm Mu A11 - Deplete	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	eeded to doctatrix, CS=Cover	ument the indi red/Coated Sand of Color (i) 0 Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Pepletec F6 - Redox D F7 - Depletec	Moist)  6/8 4/6  Autrix Mucky Minera Sleyed Matrix	Mottle % 5 5 tt):	e absence of ir ore Lining, M=Matr es Type C C	Location M M	Indicators A9 - 1 cm M A16 - Coasis S7 - Dark S F16 - High I TF2 - Red F TF12 - Very	for Problematic fluck (LRR I, J) t Prairie Redox ( urface (LRR G) Plains Depression ced Vertic Parent Material s Shallow Dark S	C Soils <sup>1</sup> [LRR F, G, H)  DOS (LRR H, outside MLRA 72, 73)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D	hydrology indicator be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) ck (LRR FGH) cd Below Dark Surface ark Surface	eeded to doctatrix, CS=Cover	ument the indi red/Coated Sand of Color (IOO) Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F6 - Redox D F7 - Depletec F8 - Redox D	Cator or co Grains; Locat  Moist)  6/8  4/6  not presen  edox  Matrix  fucky Minera  Gleyed Matrix  I Matrix  ark Surface  I Dark Surfa  epressions	Mottle  Mottle  S  S  S  S  A  A  A  A  A  A  A  A  A	e absence of ir	Location  M M	Indicators A9 - 1 cm M A16 - Coasis S7 - Dark S F16 - High I TF2 - Red F TF12 - Very	for Problemation  Muck (LRR I, J)  I Prairie Redox ( urface (LRR G)  Plains Depression  Cod Vertic  Parent Material	C Soils <sup>1</sup> [LRR F, G, H)  DOS (LRR H, outside MLRA 72, 73)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M	hydrology indicator be to the depth neetion, RM=Reduced Mi  Matrix Color (Moist)  2/1  5/2  Indicators (chairman and a chairman and a chairma	eeded to doctatrix, CS=Cover    %   100     90     neck here if it is	ument the indi red/Coated Sand of Color (IOO) Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F6 - Redox D F7 - Depletec F8 - Redox D	Cator or co Grains; Locat  Moist)  6/8  4/6  not presen  edox  Matrix  fucky Minera  Gleyed Matrix  I Matrix  ark Surface  I Dark Surfa  epressions	Mottle  Mottle  S  S  S  S  A  A  A  A  A  A  A  A  A	e absence of ir ore Lining, M=Matr es Type C C	Location  M M	Indicators A9 - 1 cm M A16 - Coasis S7 - Dark S F16 - High I TF2 - Red F TF12 - Very	for Problematic fluck (LRR I, J) t Prairie Redox ( urface (LRR G) Plains Depression ced Vertic Parent Material s Shallow Dark S	C Soils <sup>1</sup> [LRR F, G, H)  DOS (LRR H, outside MLRA 72, 73)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland  Iption (Descriptration, D=Depl  Hue 10YR  Hue 2.5Y  Hue 2.5Y  A1- Histosol  A2 - Histic Ep  A3 - Black His  A4 - Hydrogel  A5 - Stratified  A1 - Tinck D  S1 - Sandy M  S2 - 2.5 cm M	hydrology indicator be to the depth ne etion, RM=Reduced M:  Matrix Color (Moist)  2/1  5/2  Indicators (chair)  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (L	eeded to doctatrix, CS=Cover  % 100 90 neck here if it	ument the indi red/Coated Sand of Color (IOO) Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F6 - Redox D F7 - Depletec F8 - Redox D	Cator or co Grains; Locat  Moist)  6/8  4/6  not presen  edox  Matrix  fucky Minera  Gleyed Matrix  I Matrix  ark Surface  I Dark Surfa  epressions	Mottle  Mottle  S  S  S  S  A  A  A  A  A  A  A  A  A	e absence of ir	Location  M M	Indicators A9 - 1 cm M A16 - Coasis S7 - Dark S F16 - High I TF2 - Red F TF12 - Very	for Problematic fluck (LRR I, J) t Prairie Redox ( urface (LRR G) Plains Depression ced Vertic Parent Material s Shallow Dark S	C Soils <sup>1</sup> [LRR F, G, H)  DOS (LRR H, outside MLRA 72, 73)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y  Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to doctatrix, CS=Cover  % 100 90 neck here if it	ument the indi red/Coated Sand of Color (IOO) Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F6 - Redox D F7 - Depletec F8 - Redox D	Cator or co Grains; Locat  Moist)  6/8  4/6  not presen  edox  Matrix  fucky Minera  Gleyed Matrix  I Matrix  ark Surface  I Dark Surfa  epressions	Mottle  Mottle  S  S  S  S  A  A  A  A  A  A  A  A  A	e absence of ir	Location  M M	Indicators SC SC Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Redur TF12 - Very Other (Explant)	for Problematic fuck (LRR I, J) I Prairie Redox ( urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	C Soils <sup>1</sup> [LRR F, G, H)  DOS (LRR H, outside MLRA 72, 73)						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland  Iption (Descriptration, D=Depl  Hue 10YR  Hue 2.5Y  Hue 2.5Y  A1- Histosol  A2 - Histic Ep  A3 - Black His  A4 - Hydrogel  A5 - Stratified  A1 - Tinck D  S1 - Sandy M  S2 - 2.5 cm M	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to doctatrix, CS=Cover  % 100 90 neck here if it	ument the indi red/Coated Sand of Color (IOO) Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F6 - Redox D F7 - Depletec F8 - Redox D	Cator or co Grains; Locat  Moist)  6/8  4/6  not presen  edox  Matrix  fucky Minera  Gleyed Matrix  I Matrix  ark Surface  I Dark Surfa  epressions	Mottle  Mottle  S  S  S  S  A  A  A  A  A  A  A  A  A	e absence of ir	Location  M M	Indicators SC SC Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Redur TF12 - Very Other (Explant)	for Problemation  for Problema	c Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y  Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to doctatrix, CS=Cover  % 100 90 neck here if it	ument the indi red/Coated Sand of Color (IOO) Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F6 - Redox D F7 - Depletec F8 - Redox D	Cator or co Grains; Locat  Moist)  6/8  4/6  not presen  edox  Matrix  fucky Minera  Gleyed Matrix  I Matrix  ark Surface  I Dark Surfa  epressions	Mottle  Mottle  S  S  S  S  A  A  A  A  A  A  A  A  A	e absence of ir	Location  M M	Indicators SC SC Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Redur TF12 - Very Other (Explant)	for Problematic fuck (LRR I, J) I Prairie Redox ( urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	c Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland  Iption (Descrintration, D=Depl  Hue_10YR Hue_2.5Y  Hue_2.5Y  A1- Histosol A2- Histic Ep A3- Black His A4- Hydroge A5- Stratified A11- Deplete A12- Thick D S1- Sandy M S3- 5 cm Mu S4- Sandy G	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to doctatrix, CS=Cover  % 100 90 neck here if it	ument the indi red/Coated Sand of Color (i) 0 1 Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	Moist)  6/8 4/6  Autrix Mucky Minera Sleyed Matrix	Mottle  Mottle  S  S  S  S  A  A  A  A  A  A  A  A  A	e absence of ir ore Lining, M=Matr es Type C C	Location  M M R H)	Indicators  Indicators  A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I TF2 - Red F TF12 - Very Other (Explanting the coast)  Indicators of unless disturb	for Problematic fuck (LRR I, J) I Prairie Redox ( urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	c Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	No wetland iption (Descrintration, D=Depl Hue_10YR Hue_2.5Y  Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to doctatrix, CS=Cover  % 100 90 neck here if it	ument the indi red/Coated Sand of Color (IOO) Hue_10YR Hue_5YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F6 - Redox D F7 - Depletec F8 - Redox D	Moist)  6/8 4/6  Autrix Mucky Minera Sleyed Matrix	Mottle  Mottle  S  S  S  S  A  A  A  A  A  A  A  A  A	e absence of ir ore Lining, M=Matr es Type C C	Location  M M	Indicators  Indicators  A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I TF2 - Red F TF12 - Very Other (Explanting the coast)  Indicators of unless disturb	for Problematic fuck (LRR I, J) I Prairie Redox ( urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	c Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A1- C Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	hydrology indicator be to the depth neetion, RM=Reduced Mi  Matrix Color (Moist)  2/1  5/2  Indicators (chi ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRI leyed Matrix	eeded to doctatrix, CS=Cover    %	ument the indi red/Coated Sand of Color (i)  Hue_10YR  Hue_5YR  Hue_5YR  S5 - Sandy R S6 - Stripped I F1 - Loamy O F2 - Loamy O F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl  Depth:	cator or co Grains; Local  Moist)  6/8  4/6  Autority  Motrix  Mucky Mineral  Bleyed Matrix  Matrix  Matrix  Matrix  J Dark Surface  I Dark Surface  I Dark Surface  I Dark Surface	Mottle  Mottle  S  S  S  S  Mottle  Mo	e absence of ir ore Lining, M=Matr es Type C C	Location  M M R H)	Indicators  Indicators  A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I TF2 - Red F TF12 - Very Other (Explanting the coast)  Indicators of unless disturb	for Problematic fuck (LRR I, J) I Prairie Redox ( urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	c Soils¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface						
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-11 11-21  NRCS Hydr	ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A1- C Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	hydrology indicator be to the depth ne etion, RM=Reduced Mi  Matrix  Color (Moist)  2/1  5/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR) cky Peat or Peat (LR)	eeded to doctatrix, CS=Cover    %	ument the indi red/Coated Sand of Color (i)  Hue_10YR  Hue_5YR  Hue_5YR  S5 - Sandy R S6 - Stripped I F1 - Loamy O F2 - Loamy O F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl  Depth:	cator or co Grains; Local  Moist)  6/8  4/6  Autority  Motrix  Mucky Mineral  Bleyed Matrix  Matrix  Matrix  Matrix  J Dark Surface  I Dark Surface  I Dark Surface  I Dark Surface	Mottle  Mottle  S  S  S  S  Mottle  Mo	e absence of ir ore Lining, M=Matr es Type C C	Location  M M R H)	Indicators  Indicators  A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I TF2 - Red F TF12 - Very Other (Explanting the coast)  Indicators of unless disturb	for Problematic fuck (LRR I, J) I Prairie Redox ( urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	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: u-151n41w35-b1
VEGETATIO	N (Species identified in all uppercase are	e 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: 1 (A)
3.					(
4.	-				Total Number of Dominant Species Across All Strata:(B)
5.					Total Number of Dominant Species Across Air Strata(D)
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. $0   x   1 = 0$
	Total Cover =	0			FACW spp. 0 x 2 = 0
			_		FAC spp. 1 x 3 = 3
Sanling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACU spp. 1 x 4 = 4
1.	Stratum (Flot size: 13 ft. radius)				
2.					UPL spp. 0 x 5 = 0
					T-1-1 (A)
3.					Total 2 (A) 7 (B)
4.					
5.					Prevalence Index = B/A = 3.500
6.		-	-		
7.					
8.	1				Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.	-				X Dominance Test is > 50%
10.	 Total Cover =	0			Prevalence Index is ≤ 3.0 *
	Total Cover =		_		
					Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)			EAGU	Problem Hydrophytic Vegetation (Explain) *
1.	Trifolium hybridum	1	N	FACU	
2.	Equisetum arvense	1	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be
3.					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.					Line All harhacous (non-weads) plants recordings of size
12.				_	Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	2			
	•	_	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.	<u> </u>				
2.					
3.				_	Hydrophytic Vegetation Present? Y
5.					ilyaropilyaro rogotation i leaent:
5. 4.	<u> </u>				
4.	T-1-10-	^		_	
Domortica	Total Cover =	0 horostail t	brough at	the field	
Remarks:	Small scattered pockets of alsike clover and	norsetail t	nrougnout	ine field.	
				·	
Additional R	lemarks:				