WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/13/14					
Applicant:										County:	Red Lake					
Investigators	vestigators: KRG/BCS				or LRR):	MLRA 56		State:	MN							
Soil Unit:	160A						Classification									
Landform:	Talf				ocal Relief:					Sample Point:	u-151n42w24-i6					
Slope (%):	0 - 2%		Latitude: 47.		Longitude			Datum:								
		nditions on the site			ar? (If no, ex			⊡Yes	D No	Section:						
Are Vegetation		📮 or Hydrology				Are	normal circun		esent?	Township:						
Are Vegetation		🖵 or Hydrology	☐aturally p	roblematic?			Yes	□No		Range:	Dir:					
SUMMARY C																
Hydrophytic		No				Hydric Soils Present? No										
Wetland Hydrology Present?				No			Is This Sampling Point									
Remarks:							ipeline corrido	r. Vegetatio	n is domina	ated by Kentu	cky bluegrass with a diverse r					
		well as quaking as	spen sapling	is and roses in	n the shrub	layer.										
HYDROLOG	Y															
Wetland Hy	drology Ind	icators (Check all	I that apply;	Minimum of o	ne primary	or two se	econdary requi	red):								
Primary		,			. ,		, ,	,	Secondary	<u>.</u>						
A1 - Surface Water					B11 - Salt					B6 - Surface S						
	A2 - High Wa A3 - Saturatio				B13 - Aqua		o Odor				/egetated Concave Surface					
	B1 - Water M			□ C1 - Hydrogen Sulfide Odor □ B10 - Drainage Patterns □ C2 - Dry Season Water Table □ C3 - Oxidized Rhizosphere												
	B2 - Sedimen				C3 - Oxidiz	zed Rhizos	pheres on Living	Roots (not till	le 🗖	C8 - Crayfish E						
	B3 - Drift Dep				C4 - Prese	ence of Red	duced Iron				Visible on Aerial Imagery					
	B4 - Algal Ma				C7 - Thin I		ice			D2 - Geomorp D5 - FAC-Neu						
	B5 - Iron Dep	osits In Visible on Aerial Im	agery	L	Other (Exp	nain)					ived Hummocks (LRR F)					
	B9 - Water-St		lagery						-	D7 - 1103(-1102						
_																
Field Observ	vations:															
Surface Wate	er Present?	Yes 🛛	Der	oth:	(in.)											
Water Table		Yes 🔲		oth:	(in.)			Wetland F	lydrology	Present?	N					
Saturation Pr		Yes 🛛		oth:	(in.)											
Describe Rec	ordod Data (r	troom gougo moni	itoring woll	orial photos in	_ 、 /	octions)	if available:									
		stream gauge, moni			revious insp		if available:									
Describe Reco Remarks:		stream gauge, moni or secondary indic			revious insp		if available:									
Remarks:					revious insp		if available:									
Remarks: SOILS	No primary		cators of we	land hydrolog	revious insp y were obs	erved.		ndicators.)								
Remarks: SOILS Profile Descri	No primary	or secondary indic	cators of we	land hydrolog	revious insp y were obs	served.	e absence of ir									
Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	cators of we	land hydrolog	revious insp y were obs	onfirm the	e absence of ir pre Lining, M=Matr									
Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	eeded to doo atrix, CS=Cove	land hydrolog	revious insp y were obs icator or co Grains; Loca	erved. Onfirm the tion: PL=Po Mottle	e absence of ir ore Lining, M=Matr	ix)								
Remarks: SOILS Profile Descri	No primary iption (Descri	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doo atrix, CS=Cove	Land hydrolog	revious insp y were obs icator or co Grains; Loca	onfirm the	e absence of ir pre Lining, M=Matr		Texture		Remarks					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6	No primary iption (Descrintration, D=Depl Hue_10YR	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to doo atrix, CS=Cove	cland hydrolog cument the ind red/Coated Sand	icator or co Grains; Loca	erved. Onfirm the tion: PL=Po Mottle	e absence of ir ore Lining, M=Matr es Type	Location	SCL		Remarks					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary iption (Descri	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doo atrix, CS=Cove	cland hydrolog cument the ind red/Coated Sand	icator or co Grains; Loca	erved. Onfirm the tion: PL=Po Mottle	e absence of ir ore Lining, M=Matr	ix)	SCL SC		Remarks					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6	No primary iption (Descrintration, D=Depl Hue_10YR	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to doo atrix, CS=Cove	Land hydrolog cument the ind red/Coated Sand Color 0 5 Hue_10YF	icator or co Grains; Loca	onfirm the tion: PL=Po Mottle	e absence of ir ore Lining, M=Matr es Type	Location	SCL		Remarks					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14	No primary iption (Descrintration, D=Depl Hue_10YR Hue_10YR	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1	eeded to doc atrix, CS=Cove 9 10 4	Land hydrolog cument the ind red/Coated Sand Color 0 5 Hue_10YF	icator or co Grains; Loca	onfirm the tion: PL=Po Mottle	e absence of ir ore Lining, M=Matr es Type	Location	SCL SC		Remarks					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14	No primary iption (Descrintration, D=Depl Hue_10YR Hue_10YR	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1	eeded to doc atrix, CS=Cove 9 10 4	Land hydrolog cument the ind red/Coated Sand Color 0 5 Hue_10YF	icator or co Grains; Loca	onfirm the tion: PL=Po Mottle	e absence of ir ore Lining, M=Matr es Type	Location	SCL SC		Remarks					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14	No primary iption (Descrintration, D=Depl Hue_10YR Hue_10YR	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1	eeded to doc atrix, CS=Cove 9 10 4	Land hydrolog cument the ind red/Coated Sand Color 0 5 Hue_10YF	icator or co Grains; Loca	onfirm the tion: PL=Po Mottle	e absence of ir ore Lining, M=Matr es Type	Location	SCL SC		Remarks					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14	No primary iption (Descrintration, D=Depletion Hue_10YR Hue_10YR Hue_2.5Y	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3	eeded to doo atrix, CS=Cove 9 10 4 4 4	Land hydrolog cument the ind red/Coated Sand Color Color 0 5 Hue_10YF 5	Moist)	Mottle	e absence of ir ore Lining, M=Matr es Type	Location	SCL SC		Remarks					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14	No primary iption (Descrintration, D=Depletion Hue_10YR Hue_10YR Hue_2.5Y	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1	eeded to doo atrix, CS=Cove 9 10 4 4 4	Land hydrolog cument the ind red/Coated Sand Color 0 5 Hue_10YF 5	Moist)	Mottle	e absence of ir ore Lining, M=Matr es Type C	Location	SCL SC SC	for Problematic						
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr	No primary iption (Descrintration, D=Depletion Hue_10YR Hue_10YR Hue_2.5Y	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3	eeded to doo atrix, CS=Cove 9 10 4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Land hydrolog cument the ind red/Coated Sand Color 0 5 Hue_10YF 5	Moist)	Mottle	e absence of ir ore Lining, M=Matr es Type C	Location M	SCL SC SC	for Problematic						
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr	No primary iption (Descrintration, D=Deple Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon	eeded to doo atrix, CS=Cove 9 10 4 4 4	Land hydrolog	(Moist) (Moist) R 4/6 not preser	Mottle %	e absence of ir ore Lining, M=Matr es Type C	Location M	SCL SC SC Indicators 1 A9 - 1 cm M A16 - Coast	luck (LRR I, J) t Prairie Redox (: Soils ¹					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr	No primary iption (Descrintration, D=Depleter Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hist	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic	eeded to doo atrix, CS=Cove 9 10 4 4 4 4	Land hydrolog	Moist) 4/6 4/6 Add Matrix Mucky Miner	erved. onfirm the tion: PL=Pe Mottle % 10 10 t): al	e absence of ir ore Lining, M=Matr es Type C	Location M	SCL SC SC Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S	luck (LRR I, J) t Prairie Redox (urface (LRR G)	: Soils¹ LRR F, G, H)					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr	No primary iption (Descrintration, D=Depletion) Hue_10YR Hue_10YR Hue_2.5Y Fic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogen	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide	eeded to doo atrix, CS=Cove 9 10 4 4 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0	and hydrolog	Moist) A 4/6 A	erved. onfirm the tion: PL=Pe Mottle % 10 10 t): al	e absence of ir ore Lining, M=Matr es Type C	Location M	SCL SC SC A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	luck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio	: Soils ¹					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr U	No primary iption (Descrintration, D=Depleter Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Epi A3 - Black Hist A4 - Hydroger A5 - Stratified	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F)	eeded to doo atrix, CS=Cove 10 4 4 4 	and hydrolog	icator or cd Grains; Loca (Moist) (Moi	Mottle	e absence of ir ore Lining, M=Matr es Type C	Location M	SCL SC SC A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Reduc	luck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic	: Soils¹ LRR F, G, H)					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr	No primary iption (Descrintration, D=Depleter Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y Fic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroget A5 - Stratified A9 - 1 cm Mu	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide	eeded to doc atrix, CS=Cove 9 10 4 4	and hydrolog	revious insp y were obs icator or cc Grains; Loca (Moist) A 4/6 A 4/6 Not preser Redox d Matrix Mucky Miner Gleyed Matrix Dark Surface	monfirm the monfirm the monfi	e absence of ir ore Lining, M=Matr es Type C	Location M	SCL SC SC A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF2 - Red F	luck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio	: Soils¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73)					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr 0 0 0 0 0 0 0 0 0 0 0 0 0	No primary iption (Descrintration, D=Depintration, D=Depintra	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) ck (LRR FGH) d Below Dark Surface ark Surface	eeded to doo atrix, CS=Cove 9 10 4 4 4 	and hydrolog aument the ind red/Coated Sand Color	Moist) (Moi	Mottle	e absence of ir ore Lining, M=Matr es Type C C	Location M	SCL SC SC A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High R F18 - Reduc TF2 - Red F TF2 - Very	luck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic Parent Material	: Soils¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73)					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr U U U U U U U U U U U U U	No primary iption (Descrintration, D=Depleter Hue_10YR Hue_10YR Hue_2.5Y Hue_3.5Y	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral	eeded to doo atrix, CS=Cove	and hydrolog aument the ind red/Coated Sand Color	Moist) (Moi	Mottle	e absence of ir ore Lining, M=Matr es Type C	Location M	SCL SC SC A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High R F18 - Reduc TF2 - Red F TF2 - Very	Nuck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic Parent Material v Shallow Dark S	: Soils¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73)					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 NRCS Hydr U U U U U U U U U U U U U	No primary iption (Descrintration, D=Depleted Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydrogen A5 - Stratified A9 - 1 cm Mu A11 - Depleted A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LI	e eded to doc atrix, CS=Cove 9 10 4 4 4 	and hydrolog aument the ind red/Coated Sand Color	Moist) (Moi	Mottle	e absence of ir ore Lining, M=Matr es Type C C	Location M	SCL SC SC A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High f F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic Parent Material r Shallow Dark S ain in Remarks)	: <u>Soils¹</u> LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 0 0 0 0 0 0 0 0 0 0 0 0 0	No primary iption (Descrintration, D=Depleter Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Depleter A12 - Thick D S1 - Sandy M S2 - 2.5 cm Mu	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LRF	e eded to doc atrix, CS=Cove 9 10 4 4 4 	and hydrolog aument the ind red/Coated Sand Color	Moist) (Moi	Mottle	e absence of ir ore Lining, M=Matr es Type C C	Location M	Indicators i A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic Parent Material r Shallow Dark S ain in Remarks)	: Soils¹ LRR F, G, H) INS (LRR H, outside MLRA 72, 73)					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 0-14 NRCS Hydr 0 0 0 0 0 0 0 0 0 0 0 0 0	No primary iption (Descrintration, D=Depleted Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydrogen A5 - Stratified A9 - 1 cm Mu A11 - Depleted A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LRF	e eded to doc atrix, CS=Cove 9 10 4 4 4 	and hydrolog aument the ind red/Coated Sand Color	Moist) (Moi	Mottle	e absence of ir ore Lining, M=Matr es Type C C	Location M	Indicators i A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic Parent Material / Shallow Dark S ain in Remarks)	: <u>Soils¹</u> LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 0-14	No primary iption (Descrintration, D=Depintration, D=Depintra	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRF leyed Matrix	e eded to doc atrix, CS=Cove 9 10 4 4 4 	Land hydrolog	Moist) Advised to the second	Mottle	e absence of ir ore Lining, M=Matr es Type C C	Location M	Indicators of l A9 - 1 cm M A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic Parent Material / Shallow Dark S ain in Remarks)	: <u>Soils¹</u> LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 0 0 0 0 0 0 0 0 0 0 0 0 0	No primary iption (Descrintration, D=Depintration, D=Depintra	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LRF	e eded to doc atrix, CS=Cove 9 10 4 4 4 	and hydrolog aument the ind red/Coated Sand Color	Moist) Advised to the second	Mottle	e absence of ir ore Lining, M=Matr es Type C C	Location M	Indicators of l A9 - 1 cm M A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox (urface (LRR G) Plains Depressio ced Vertic Parent Material / Shallow Dark S ain in Remarks)	: <u>Soils¹</u> LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 0-14	No primary iption (Descrintration, D=Depleter Hue_10YR Hue_10YR Hue_2.5Y Hue_3.5Y	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LR ky Peat or Peat (LR ky Peat or Peat (LR ky Pat (LR	eeded to doo atrix, CS=Cove 9 10 4 4 4 	Land hydrolog	icator or cd Grains; Loca (Moist) (Moi	erved. onfirm the tion: PL=Pe Mottle % 10 10 10 10 10 10 10 10 10 10 10 10 10	e absence of ir ore Lining, M=Matr 25 Type C C E RA 72, 73 of LRF Hydric So	ix) Location M H)	SCL SC SC SC A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF12 - Very Other (Expla 'Indicators of I unless disturbo	Muck (LRR I, J) I Prairie Redox (Unface (LRR G) Plains Depressio ced Vertic Parent Material s' Shallow Dark S ain in Remarks) hydrophytic vegetat ed or problematic.	: <u>Soils¹</u> LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface					
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-6 6-14 6-14 0-14	No primary iption (Descrintration, D=Depleted Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydrogen A5 - Stratified A9 - 1 cm Mu A11 - Depleted A12 - Thick D S1 - Sandy M S2 - 2.5 cm Mu S3 - 5 cm Mu S4 - Sandy G r Type: Soil consist:	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 3/1 4/3 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LR ky Peat or Peat (LR ky Peat or Peat (LR ky Pat (LR	e e e e e e e c clay loam L	and hydrolog aument the ind red/Coated Sand Color Colo	icator or cd Grains; Loca (Moist) (Moi	erved. onfirm the tion: PL=Pe Mottle % 10 10 10 10 10 10 10 10 10 10 10 10 10	e absence of ir ore Lining, M=Matr 25 Type C C E RA 72, 73 of LRF Hydric So	ix) Location M H)	SCL SC SC SC A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF12 - Very Other (Expla 'Indicators of I unless disturbo	Muck (LRR I, J) I Prairie Redox (Unface (LRR G) Plains Depressio ced Vertic Parent Material s' Shallow Dark S ain in Remarks) hydrophytic vegetat ed or problematic.	: <u>Soils¹</u> LRR F, G, H) INS (LRR H, outside MLRA 72, 73) urface					

WETLAND DETERMINATION DATA FORM

Great Plains Region

Project/Site:	L3R				Sample Point: u-151n42w24-i6					
VEGETATIO		e non-native	species.)							
Tree Stratum	(Plot size: 30 ft. radius) Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.		76 COVEL	Dominant	IIIU.Status	Dominance rest worksheet					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)					
3.										
4.					Total Number of Dominant Species Across All Strata: 4 (B)					
5.					(=)					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (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. 25 x 2 = 50					
			_		FAC spp. 30 x 3 = 90					
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. 82 x 4 = 328					
1.	Populus tremuloides	10	Y	FAC	UPL spp. 0 $x 5 = 0$					
2.	Rosa blanda	10	Y	FACU						
3.					Total 137 (A) 468 (B)					
4.										
5.					Prevalence Index = B/A = 3.416					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.					Dominance Test is > 50%					
	Total Cover =	20			Prevalence Index is ≤ 3.0 *					
					Morphological Adaptations (Explain) *					
Herb Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Poa pratensis	50	Y	FACU						
2.	Solidago gigantea	20	Y	FAC	* Indicators of hydric soil and wetland hydrology must be					
3.	Euthamia graminifolia	10	N	FACW	present, unless disturbed or problematic.					
4.	Cirsium arvense	10	N	FACU	Definitions of Vegetation Strata:					
5.	Anemone canadensis	10	N	FACW						
6	Fragaria virginiana	10	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast					
7.	Agrostis gigantea	5	N	FACW	height (DBH), regardless of height.					
8.	Solidago canadensis	2	N	FACU						
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.					
	Total Cover =	117	_							
	ratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? N					
5.										
4.										
	Total Cover =	0								
Remarks:	Vegetation is dominated by Kentucky bluegra	ass with a	diverse mi	ix of forbs	, as well as quaking aspen saplings and roses in the shrub layer.					
Additional Remarks:										
I										
I										
K										