## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site: L3R										Date:	10/03/14
Applicant: Enbridge										County:	Red Lake
Investigators: LEB/DGL				Subregion (MLRA or LRR): MLRA 56						State:	MN
Soil Unit: Landform:	I31A Rise			— ,	ocal Relief:		I Classification:			Sample Daint	u-151n42w15-dd3
Slope (%):	0 - 2%		Latitude: 47.		Longitude:		817	Datum:		Sample Point.	<u>u-1511142w15-005</u>
		nditions on the site							□ No	Section:	
Are Vegetati	, ,	C or Hydrology		,			e normal circum			Township:	
Are Vegetati		C or Hydrology					🗹 Yes	⊡No <sup>.</sup>		Range:	Dir:
SUMMARY (						1					
Hydrophytic '	Vegetation P	resent?	No						Is Present?		
Wetland Hydrology Present?				No			Is This Sampling Poin			t Within A W	etland? No
Remarks:	The upland	sample point is on	a vegetate	d spoil pile fro	om an adjao	cent exca	avated depress	ion located	within a larg	ge cattle past	ure.
HYDROLOG	Y										
		icators (Check all	that apply; I	Minimum of c	ne primary	or two s	econdary requi	red):			
Primary:         Secondary:           A1 - Surface Water         B11 - Salt Crust         B6 - Surface Soi											
	A1 - Surface A2 - High Wa				B11 - Salt						Vegetated Concave Surface
Ē	A3 - Saturatio			B13 - Aquatic Fauna     Image: Constraint of the second seco							e Patterns
	B1 - Water M			_	C2 - Dry S	eason Wa	ater Table				Rhizospheres on Living Roots (tilled
	B2 - Sedimen B3 - Drift Dep				C3 - Oxidiz C4 - Prese	zed Rhizos	spheres on Living	Roots (not till	•		Burrows I Visible on Aerial Imagery
	B3 - Drift Dep B4 - Algal Ma										
	B5 - Iron Dep	osits			Other (Exp					D5 - FAC-Neu	tral Test
		n Visible on Aerial Im	agery							D7 - Frost-Hea	aved Hummocks (LRR F)
B9 - Water-Stained Leaves											
Field Obser	vations										
	er Present?	Yes 🔲	Don	th:	(in.)						
Water Table		Yes		th: th:	(in.)			Wetland H	lydrology	Present?	Ν
					(in.)						<u> </u>
	arded Data /	troom gougo moni	مالمعنيهم الم	arial abataa r		o otiono)	if available.				
Describe Rec		tream gauge, moni	-		-		, if available:				
		stream gauge, monit or secondary indic	-		-		, if available:				
Describe Rec			-		-		, if available:				
Describe Rec Remarks:	No primary		ators of wet	land hydrolog	y were obs	erved.		ndicators.)			
Describe Rec Remarks: SOILS Profile Descri	No primary	or secondary indic	eded to doc	land hydrolog	y were obs	erved.	e absence of in				
Describe Rec Remarks: SOILS Profile Descri	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma	eded to doc	land hydrolog	y were obs	onfirm th	e absence of in ore Lining, M=Matr		I		
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix	eded to doc	land hydrolog ument the ind red/Coated Sand	y were obs dicator or co d Grains; Loca	erved. onfirm th tion: PL=P Mottl	e absence of in ore Lining, M=Matr	ix)	Taskus		Demotio
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to doc atrix, CS=Cove	ument the ind red/Coated Sand	y were obs	onfirm th	e absence of in ore Lining, M=Matr		Texture		Remarks
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2	No primary iption (Descrintration, D=Depl Hue_10YR	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eded to doc atrix, CS=Cove	ument the ind red/Coated Sand	y were obs dicator or co d Grains; Loca (Moist)	onfirm th tion: PL=P Mottle %	e absence of in ore Lining, M=Matr es Type	Location	SICL		Remarks
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No primary	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eded to doc atrix, CS=Cove	ument the ind red/Coated Sand	y were obs dicator or co d Grains; Loca (Moist)	erved. onfirm th tion: PL=P Mottl	e absence of in ore Lining, M=Matr	ix)			Remarks
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2	No primary iption (Descrintration, D=Depl Hue_10YR	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eded to doc atrix, CS=Cove % 10	ument the ind red/Coated Sand	y were obs dicator or co d Grains; Loca (Moist)	onfirm th tion: PL=P Mottle %	e absence of in ore Lining, M=Matr es Type	Location	SICL		Remarks
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2	No primary iption (Descrintration, D=Depl Hue_10YR	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eded to doc atrix, CS=Cove % 10	ument the ind red/Coated Sand	y were obs dicator or co d Grains; Loca (Moist)	onfirm th tion: PL=P Mottle %	e absence of in ore Lining, M=Matr es Type	Location	SICL		Remarks
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2	No primary iption (Descrintration, D=Depl Hue_10YR	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eded to doc atrix, CS=Cove % 10	ument the ind red/Coated Sand	y were obs dicator or co d Grains; Loca (Moist)	onfirm th tion: PL=P Mottle %	e absence of in ore Lining, M=Matr es Type	Location	SICL		Remarks
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18	No primary iption (Descrintration, D=Depleter) Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2	eded to doc trix, CS=Cove	land hydrolog ument the incred/Coated Sand Color 0 0 0 0 0 0 0 0 0	Jicator or co d Grains; Loca (Moist) R 5/6	erved.	e absence of in ore Lining, M=Matr es Type C	Location	SICL		Remarks
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18	No primary iption (Descrintration, D=Depleter) Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2	eded to doc trix, CS=Cove	ument the ind red/Coated Sand	Jicator or co d Grains; Loca (Moist) R 5/6	erved.	e absence of in ore Lining, M=Matr es Type	Location	SICL SICL		
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depindration, D=Depindra	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2	eded to doc atrix, CS=Cove % 10 90 90 90 90 90 90 90 90 90 90 90 90 90	and hydrolog ument the ind red/Coated Sand Color 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jicator or co d Grains; Loca (Moist) R 5/6 not presen	erved.	e absence of in ore Lining, M=Matr es Type C	Location M	SICL SICL	for Problematic	
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18	No primary iption (Descrintration, D=Depleter) Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch	eded to doc atrix, CS=Cove % 10 90 90 90 90 90 90 90 90 90 90 90 90 90	land hydrolog ument the incred/Coated Sand Color 0 0 0 0 0 0 0 0 0	y were obs dicator or co d Grains; Loca (Moist) R 5/6 Not presen Redox	erved.	e absence of in ore Lining, M=Matr es Type C	Location M	SICL SICL Indicators 1 A9 - 1 cm M	for Problematic	: Soils <sup>1</sup>
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depleter Hue_10YR Hue_10YR Hue_10YR 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 4/2 Indicators (ch ipedon stic	eded to doc atrix, CS=Cove	and hydrolog ument the innered/Coated Sand Color 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	y were obs dicator or cc d Grains; Loca (Moist) R 5/6 not presen Redox d Matrix Mucky Miner	erved. ponfirm th tion: PL=P Mottl % 10 10 t): al	e absence of in ore Lining, M=Matr es Type C	Location M	SICL SICL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark Si	luck (LRR I, J) Prairie Redox ( urface (LRR G)	2 <u>Soils1</u> LRR F, G, H)
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18	No primary iption (Descrintration, D=Depindration, D=Depindra	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 1ndicators (ch ipedon ttic n Sulfide	eded to doc atrix, CS=Cove	Iand hydrolog         ument the ind         red/Coated Same         □       Color         □       Color         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       S5 - Sandy         □       S5 - Sandy         □       F1 - Loamy         □       F2 - Loamy	y were obs	erved. ponfirm th tion: PL=P Mottl % 10 10 t): al	e absence of in ore Lining, M=Matr es Type C	Location M	SICL SICL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio	: <u>Soils¹</u> LRR F, G, H)
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Eli A3 - Black Hist A4 - Hydroge A5 - Stratified	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F)	eded to doc atrix, CS=Cove	and hydrolog ument the ind red/Coated Sand Color Color D Hue_10Y1 dots dots dots dots dots dots dots dots	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C	Location M	SICL SICL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic	2 <u>Soils1</u> LRR F, G, H)
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18	No primary iption (Descrintration, D=Depind Hue_10YR Hue_10YR Hue_10YR Hue_10YR Al- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 1ndicators (ch ipedon ttic n Sulfide	eded to doc atrix, CS=Cove	Iand hydrolog         ument the ind         red/Coated Same         □       Color         □       Color         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       S5 - Sandy         □       S5 - Sandy         □       F1 - Loamy         □       F2 - Loamy	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C	ix)	SICL SICL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F F18 - Reduc TF2 - Red F	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio	2 <u>Soils<sup>1</sup></u> LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18	No primary iption (Descrintration, D=Depindration, D=Depindra	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 10 10 10 10 10 10 10 10 10 10 10 10 10	eded to doc atrix, CS=Cove	Iand hydrolog         ument the indred/Coated Sand         □       Color         □       Color         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       F1 - Loamy         □       F2 - Loamy         □       F3 - Deplete         □       F7 - Deplete         □       F7 - Deplete         □       F8 - Redox	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C	ix)	SICL SICL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material	2 Soils <sup>1</sup> LRR F, G, H) MS (LRR H, outside MLRA 72, 73) Surface
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Eli A3 - Black Histic Eli A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplet A12 - Thick D S1 - Sandy M	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral	eded to doc atrix, CS=Cove	Iand hydrolog         ument the indred/Coated Sand         □       Color         □       Color         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       F1 - Loamy         □       F2 - Loamy         □       F3 - Deplete         □       F7 - Deplete         □       F7 - Deplete         □       F8 - Redox	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C	ix)	SICL SICL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F F18 - Reduc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material Shallow Dark S	2 Soils <sup>1</sup> LRR F, G, H) MS (LRR H, outside MLRA 72, 73) Surface
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depleted Hue_10YR Hue_10YR Hue_10YR Hue_10YR At- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge 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 4/2 Indicators (ch ipedon stic 1 Sulfide Layers (LRR F) sk (LRR FGH) d Below Dark Surface ucky Mineral lucky Patra Peat (LI	eded to doc atrix, CS=Cove	Iand hydrolog         ument the indred/Coated Sand         □       Color         □       Color         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       F1 - Loamy         □       F2 - Loamy         □       F3 - Deplete         □       F7 - Deplete         □       F7 - Deplete         □       F8 - Redox	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C	ix)	SICL SICL SICL Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark Si S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	2 <u>Soils<sup>1</sup></u> LRR F, G, H) MS (LRR H, outside MLRA 72, 73) Gurface
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depleted Hue_10YR Hue_10YR Hue_10YR Hue_10YR At- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge 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 4/2 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	eded to doc atrix, CS=Cove	Iand hydrolog         ument the indred/Coated Sand         □       Color         □       Color         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       F1 - Loamy         □       F2 - Loamy         □       F3 - Deplete         □       F7 - Deplete         □       F7 - Deplete         □       F8 - Redox	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C	ix)	SICL SICL SICL A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressic ced Vertic Parent Material Shallow Dark S ain in Remarks)	2 Soils <sup>1</sup> LRR F, G, H) MS (LRR H, outside MLRA 72, 73) Surface
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depindration, D=Depindra	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 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	eded to doc atrix, CS=Cove	Iand hydrolog         ument the indred/Coated Sand         □       Color         □       Color         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       F1 - Loamy         □       F2 - Loamy         □       F3 - Deplete         □       F7 - Deplete         □       F7 - Deplete         □       F8 - Redox	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C	ix)	SICL SICL SICL A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material Shallow Dark S ain in Remarks)	2 <u>Soils<sup>1</sup></u> LRR F, G, H) MS (LRR H, outside MLRA 72, 73) Gurface
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depindration, D=Depindra	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 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	eded to doc atrix, CS=Cove	Iand hydrolog         ument the indred/Coated Sand         □       Color         □       Color         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       Hue_10Yl         □       F1 - Loamy         □       F2 - Loamy         □       F3 - Deplete         □       F7 - Deplete         □       F7 - Deplete         □       F8 - Redox	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C C	Location M	SICL SICL SICL A9 - 1 cm M A16 - Coast S7 - Dark SI F16 - High F F18 - Reduc TF2 - Red P TF12 - Very Other (Expla <sup>1</sup> Indicators of h unless disturbe	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material Shallow Dark S ain in Remarks)	2 <u>Soils<sup>1</sup></u> LRR F, G, H) MS (LRR H, outside MLRA 72, 73) Gurface
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr U U U U C C C C C C C C C C C C C	No primary iption (Descrintration, D=Depleted Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR At- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge 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:	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch ipedon stic 1 Sulfide Layers (LRR F) sk (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRF leyed Matrix	eded to doc atrix, CS=Cove	and hydrolog ument the inn red/Coated Sam Color Color U Hue_10Y1 Color U Hue_10Y1 Color U S5-Sandy S6-Strippe F1-Loamy F2-Loamy F2-Loamy F2-Loamy F2-Loamy F7-Deplete F6-Redox F7-Deplete F8-Redox F16-High I Dept	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C C 	ILocation M	SICL SICL SICL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla <sup>1</sup> Indicators of f unless disturbe	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material Shallow Dark S ain in Remarks)	2 <u>Soils<sup>1</sup></u> LRR F, G, H) MS (LRR H, outside MLRA 72, 73) Gurface
Describe Rec Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-2 2-18 NRCS Hydr	No primary iption (Descrintration, D=Depleted Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR At- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge 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:	or secondary indic be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 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	eded to doc atrix, CS=Cove	and hydrolog ument the inn red/Coated Sam Color Color U Hue_10Y1 Color U Hue_10Y1 Color U S5-Sandy S6-Strippe F1-Loamy F2-Loamy F2-Loamy F2-Loamy F2-Loamy F7-Deplete F6-Redox F7-Deplete F8-Redox F16-High I Dept	y were obs	erved.	e absence of in ore Lining, M=Matr es Type C C 	ILocation M	SICL SICL SICL Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla <sup>1</sup> Indicators of f unless disturbe	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material Shallow Dark S ain in Remarks)	2 <u>Soils<sup>1</sup></u> LRR F, G, H) MS (LRR H, outside MLRA 72, 73) Gurface

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: u-151n42w15-dd3					
VEGETATIO	N (Species identified in all uppercase are Plot size: 30 ft. radius)	e non-native	species.)							
The official (	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.										
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (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: 0.0% (A/B)					
7.					Durana ladar Weylahaat					
<u>8.</u> 9.					Prevalence Index Worksheet Total % Cover of: Multiply by:					
9. 10.					Total % Cover of:     Multiply by:       OBL spp.     0     x 1 =     0					
10.	 Total Cover =	0			FACW spp. 0 $x = 0$					
			_		FAC spp. 0 $\times$ 3 = 0					
Sapling/Shrub Stratum (Plot size: 15 ft. radius)					FACU spp. 70 x 4 = $280$					
1.	,				UPL spp. 30 x 5 = $150$					
2.										
3.					Total 100 (A) 430 (B)					
4.										
5.					Prevalence Index = B/A = 4.300					
6.										
7.										
8.					Hydrophytic Vegetation Indicators:					
9.					Rapid Test for Hydrophytic Vegetation					
10.		0			Dominance Test is > 50%					
	Total Cover =	U	0		Prevalence Index is $\leq 3.0^{*}$					
Horb Stratum (	Plot size: 5 ft. radius)				Morphological Adaptations (Explain) * Problem Hydrophytic Vegetation (Explain) *					
1.	Bromus inermis	30	Y	UPL						
2.	Phleum pratense	30	Ŷ	FACU	* Indicators of hydric soil and wetland hydrology must be					
3.	Trifolium pratense	15	N	FACU	present, unless disturbed or problematic.					
4.	Trifolium hybridum	10	Ν	FACU	Definitions of Vegetation Strata:					
5.	Symphyotrichum ericoides	10	Ν	FACU						
6	Taraxacum officinale	5	N	FACU	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.					All hothogonus (non wood)) plants recordings of size					
12.					Herb - All herbaceous (non-woody) plants, regardless of size.					
13.										
14. 15.	<u> </u>				Woody Vines - All woody vines, regardless of height.					
15.	Total Cover =	100			Troody Tilles - In the private for the guideous of the grad					
		100								
Woody Vine St	ratum (Plot size: 30 ft. radius)									
1.										
2.										
3.					Hydrophytic Vegetation Present? N					
5.				-						
4.										
	Total Cover =	0								
Remarks: The vegetation is dominated by non-hydrophytic species and has been grazed.										
Additional Remarks:										