WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/02/14				
Applicant:		Enbridge									County:	Red Lake				
Investigators	vestigators: BJC/RAJ				Subregion (MLRA or LRR):						State:	MN				
Soil Unit:																
Landform:										Sample Point:	u-150n41w1-d1					
Slope (%):	0 - 2%		Latitude: 47	7 84547		Longitude:		257	Datum:	•			-			
		nditions on the site							⊡Yes	□No	Section:					
						ar: (II IIO, exp		normal circun			1					
Are Vegetati		☐ or Hydrology					Ale		•	esent	Township:					
Are Vegetati		☐ or Hydrology	Laturally	probler	matic?			Yes	□No		Range:	Dir:				
SUMMARY (
Hydrophytic	Vegetation P	resent?	No	0					Hydric Soi	Is Present?	No					
Wetland Hyd	drology Prese	nt?	No	0					Is This Sa	mpling Poin	t Within A W	etland? No				
Remarks:		sample point is lo	cated in a	grassla	nd domin	ated by sn	nooth bro	ome and Kenti	icky bluegra	ass.						
				5					, , , , ,							
LIVEROLOG	V															
HYDROLOG	Y															
Wetland Hy	drology Ind	icators (Check all	I that apply	; Minim	um of on	e primary	or two se	econdary requi	red):							
Primary	<u>:</u>									Secondary:						
A1 - Surface Water						B11 - Salt (B6 - Surface S	oil Cracks				
	A2 - High Wa					B13 - Aqua					B8 - Sparsely Vegetated Concave Surface					
	A3 - Saturation					C1 - Hydro					B10 - Drainage Patterns					
	B1 - Water M					C2 - Dry Se			5			Rhizospheres on Living Ro	ots (tilled)			
	B2 - Sedimen							pheres on Living	Roots (not til		C8 - Crayfish E					
	B3 - Drift Dep B4 - Algal Ma					C4 - Preser C7 - Thin M					D2 - Geomorp	Note:				
l H	B4 - Algai Ma B5 - Iron Dep					Other (Expl		ce			D5 - FAC-Neu					
		อรแร อก Visible on Aerial Im	nagery			Other (Expi	iaiii)					aved Hummocks (LRR F)				
	B9 - Water-S		lagery							_	D7 - 11031-1168	ived Hullillocks (LIXIX I)				
	Bo Water o	tanica Ecaveo														
Field Observe																
Field Obser																
Surface Wat	er Present?	Yes \square	De	epth:		(in.)			Watland F	łydrology l	Procent?	N				
Water Table	Present?	Yes \square	De	epth:		(in.)			WCtiana i	iyarology i	i resenti.					
Saturation P	resent?	Yes \square		epth:		(in.)										
Dogariba Boo	orded Data (troom gougo moni	itoring wall	· —	hoton pr	. , ,	ootions)	if available:								
		stream gauge, moni		, aerial p		. , ,	ections),	if available:								
Describe Rec		stream gauge, moni		, aerial p		. , ,	ections),	if available:								
Remarks:				, aerial p		. , ,	pections),	if available:								
Remarks:	No indicato	rs of wetland hydro	ology were	, aerial p observ	red.	evious insp	·									
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were	, aerial p cobserv	red.	evious insp	onfirm the	e absence of ir								
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were	, aerial p cobserv	red.	evious insp	onfirm the	e absence of ir								
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma	ology were	, aerial p cobserv	red.	evious insp	onfirm the	e absence of ir								
Remarks: SOILS Profile Descr	No indicato	rs of wetland hydro	ology were	, aerial p cobserv	red.	evious insp	onfirm the	e absence of ir ore Lining, M=Matr								
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Ma	eeded to do	, aerial p e observ	red. It the indicated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	, aerial pe observ	red.	evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr		1		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Ma	eeded to do	, aerial p e observ ocumen	red. It the indicated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	Texture CL		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	, aerial pe observ	red. It the indicated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	1		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	, aerial pe observ	red. It the indicated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	1		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	, aerial pe observ	red. It the indicated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	1		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	, aerial pe observ	red. It the indicated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	1		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to do	, aerial pe observ	red. It the indicated Sand (evious insp cator or co Grains; Locat	onfirm the	e absence of ir ore Lining, M=Matr	ix)	1		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descr ntration, D=Depi	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1	eeded to do atrix, CS=Cov	ocumen	ed. It the indiated Sand (cator or co	onfirm the	e absence of ir ore Lining, M=Matr es Type	ix)	1		Remarks				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1	eeded to do	ocumen	ed. It the indiated Sand (cator or co	onfirm the	e absence of ir ore Lining, M=Matr	ix)	CL						
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description, D=Depl	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1	eeded to do atrix, CS=Cov	ocumen wered/Coa % 100	ed. It the indiated Sand (cator or co Grains; Locat Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location	CL Indicators f	or Problematic					
Remarks: SOILS Profile Descr (Type: C=Conce) Depth (In.) 0-18 NRCS Hydi	No indicato iption (Description, D=Depl Hue_10YR ic Soil Field	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch	eeded to do atrix, CS=Cov	ocumen vered/Cos % 100 if indicat	ed. It the indiated Sand (Color (I	cator or co Grains; Locat Moist)	onfirm the	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M	luck (LRR I, J)	: Soils¹				
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-18 NRCS Hydr	No indicato iption (Descr ntration, D=Depl Hue_10YR ric Soil Field A1- Histosol A2 - Histic Ep	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch	eeded to do atrix, CS=Cov	ocumen wered/Coa % 100 if indicat	tors are r - Sandy R - Stripped	cator or cc Grains; Locat Moist)	Mottle %	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M	luck (LRR I, J) Prairie Redox (: Soils¹				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description (Description) Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 Indicators (ch	eeded to do atrix, CS=Cov	ocumen vered/Cos % 100 if indicat	Color (I	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera	monfirm the tion: PL=Po Mottle % http://www.plantage.com/ //www.plantage.com/ //www	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Sr	luck (LRR I, J) Prairie Redox (urface (LRR G)	: Soils¹ LRR F, G, H)				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descritation, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch ipedon stic n Sulfide	eeded to do atrix, CS=Cov	ocumen wered/Coa % 100 if indicat \$55 \$66 \$71 \$72	ced. It the indiated Sand of Color (I	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera	monfirm the tion: PL=Po Mottle % http://www.plantage.com/ //www.plantage.com/ //www	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M I G - Coast S7 - Dark St I F16 - High F	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressio	: Soils¹				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 Indicators (chaipedon stic on Sulfide Layers (LRR F)	eeded to do atrix, CS=Cov	ocumen vered/Cos % 100 if indicat \$5	tors are r - Sandy R - Stripped - Loamy N - Loamy S - Depleted	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera leleyed Matrix Matrix Matrix	monfirm the months and	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S0 F16 - High F F18 - Reduc	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ed Vertic	: Soils¹ LRR F, G, H)				
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-18 NRCS Hydr	No indicato iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	ibe to the depth ne etion, RM=Reduced Mis Matrix Color (Moist) 2/1 Indicators (chaipedon stic n Sulfide Layers (LRR F) ck (LRR FGH)	eeded to do atrix, CS=Con	ocumen vered/Coa % 100 if indicat \$5 \$6 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7	tors are r - Sandy R - Stripped - Loamy M - Depleted - Redox D	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera sleyed Matrix Matrix ark Surface	Mottle %	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Sr J F16 - High F J F18 - Reduc	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression 2ed Vertic Parent Material	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descr ntration, D=Depi Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface	eeded to do atrix, CS=Con	ocumen wered/Cos % 100 if indicat \$56 \$61 \$72 \$73 \$74 \$75 \$75 \$75 \$75 \$75 \$75 \$75	Color (I Color (I Tors are r Sandy R Stripped Loamy G Loamy G Depleted Redox D Depleted	cator or co Grains; Locat Moist) Moist) Mot present edox Matrix ducky Minera sleyed Matrix Matrix ark Surface Dark Surface	Mottle %	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Red pc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression and Vertic Parent Material Shallow Dark S	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)				
Remarks: SOILS Profile Descr (Type: C=Conce	no indicato iption (Descritration, D=Depi 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	ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ark Surface	eeded to do atrix, CS=Con		tors are r - Sandy R - Stripped - Loamy G - Depleted - Redox D - Depleted - Redox D	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera lucky Minera lucky Minera fileyed Matrix Matrix ark Surface Dark Surface epressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Red pc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression 2ed Vertic Parent Material	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)				
Remarks: SOILS Profile Descr (Type: C=Conce	no indicato iption (Description, D=Depl 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	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chaipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral	eeded to do atrix, CS=Con		tors are r - Sandy R - Stripped - Loamy G - Depleted - Redox D - Depleted - Redox D	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera lucky Minera lucky Minera fileyed Matrix Matrix ark Surface Dark Surface epressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Red pc TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression and Vertic Parent Material Shallow Dark S	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)				
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descr ntration, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep. A3 - Black His A4 - Hydroge A5 - Stratifice A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm N	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chaipedon stic n Sulfide ILayers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral lucky Peat or Peat (Liky Peat or Peat (Li	eeded to do atrix, CS=Cov		tors are r - Sandy R - Stripped - Loamy G - Depleted - Redox D - Depleted	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera lucky Minera lucky Minera fileyed Matrix Matrix ark Surface Dark Surface epressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S1 F16 - High F 18 - Reduc TF2 - Red P TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S ain in Remarks)	E Soils¹ LRR F, G, H) DIS (LRR H, outside MLRA 72, 73) Gurface	be present			
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description (Description) (Descriptio	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral fucky Peat or Peat (LR) Peat or Peat (LR) Peat or Peat (LR)	eeded to do atrix, CS=Cov		tors are r - Sandy R - Stripped - Loamy G - Depleted - Redox D - Depleted	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera lucky Minera lucky Minera fileyed Matrix Matrix ark Surface Dark Surface epressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Sr F16 - High F F18 - Redu P TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S ain in Remarks)	C Soils 1 LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)	t be present,			
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Descr ntration, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep. A3 - Black His A4 - Hydroge A5 - Stratifice A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm N	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral fucky Peat or Peat (LR) Peat or Peat (LR) Peat or Peat (LR)	eeded to do atrix, CS=Cov		tors are r - Sandy R - Stripped - Loamy G - Depleted - Redox D - Depleted	cator or co Grains; Locat Moist) not present edox Matrix lucky Minera lucky Minera lucky Minera fileyed Matrix Matrix ark Surface Dark Surface epressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Sr F16 - High F F18 - Redu P TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression P	E Soils¹ LRR F, G, H) DIS (LRR H, outside MLRA 72, 73) Gurface	t be present,			
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description (Description) (Descriptio	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LRI leyed Matrix	eeded to do atrix, CS=Cov		Color (I Color (I Tors are r Sandy R Stripped Loamy G Loamy G Depleted Redox D Depleted Redox D High Pla	cator or co Grains; Locat Moist) Moist) Mot present edox Matrix ducky Minera sleyed Matrix Matrix ark Surface Dark Surface Dark Surface pressions ains Depressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Sr F16 - High F F18 - Redu P TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression P	E Soils¹ LRR F, G, H) DIS (LRR H, outside MLRA 72, 73) Gurface	t be present,			
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato iption (Description (Description) (Descriptio	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LRI leyed Matrix	eeded to do atrix, CS=Cov		tors are r - Sandy R - Stripped - Loamy G - Depleted - Redox D - Depleted	cator or co Grains; Locat Moist) Moist) Mot present edox Matrix ducky Minera sleyed Matrix Matrix ark Surface Dark Surface Dark Surface pressions ains Depressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators of hunless disturbed	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression P	E Soils¹ LRR F, G, H) DIS (LRR H, outside MLRA 72, 73) Gurface	t be present,			
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato Iption (Description (Descriptio	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chaipedon stic n Sulfide n Sulfide n Sulfide n Sulfide n Sulface ark Surface	eeded to do atrix, CS=Cov		Color (I Color (I Tors are r Sandy R Stripped Loamy G Loamy G Depleted Redox D Depleted Redox D High Pla	cator or co Grains; Locat Moist) Moist) Mot present edox Matrix ducky Minera sleyed Matrix Matrix ark Surface Dark Surface Dark Surface pressions ains Depressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators of hunless disturbed	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression P	E Soils¹ LRR F, G, H) DIS (LRR H, outside MLRA 72, 73) Gurface	t be present,			
Remarks: SOILS Profile Descr (Type: C=Conce	No indicato Iption (Description (Descriptio	ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) Indicators (chairpedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LRI leyed Matrix	eeded to do atrix, CS=Cov		Color (I Color (I Tors are r Sandy R Stripped Loamy G Loamy G Depleted Redox D Depleted Redox D High Pla	cator or co Grains; Locat Moist) Moist) Mot present edox Matrix ducky Minera sleyed Matrix Matrix ark Surface Dark Surface Dark Surface pressions ains Depressions	monfirm the months of the mont	e absence of ir ore Lining, M=Matr es Type	Location	Indicators of hunless disturbed	luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression P	E Soils¹ LRR F, G, H) DIS (LRR H, outside MLRA 72, 73) Gurface	t be present,			

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n41w1-d1		
VEGETATION		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: 0 (A)		
3.							
4.					Total Number of Dominant Species Across All Strata:(B)		
5.							
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (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. 5 x 2 = 10		
			_		FAC spp. 0 x 3 = 0		
Sanling/Shrub 9	Stratum (Plot size: 15 ft. radius)				FACU spp. 50 x 4 = 200		
1.	Stratum (Flot Size. 13 it. radius)				UPL spp. 45 X 5 = 225		
2.	_				5. 2 opp		
3.					Total 100 (A) 425 (D)		
3. 4.					Total 100 (A) 435 (B)		
					Dravelence Index s D/A = 4.050		
5.					Prevalence Index = B/A = 4.350		
6.	_						
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.					Dominance Test is > 50%		
	Total Cover =	0	_		Prevalence Index is ≤ 3.0 *		
					Morphological Adaptations (Explain) *		
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Bromus inermis	45	Υ	UPL			
2.	Poa pratensis	45	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be		
3.	Cirsium arvense	5	N	FACU	present, unless disturbed or problematic.		
4.	Argentina anserina	5	N	FACW	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.					1161D		
14.					Woody Vines - All woody vines, regardless of height.		
15.	7::0	100			**Outy villes = / w moody villos, regardless of height.		
	Total Cover =	100	_				
	ratum (Plot size: 30 ft. radius)						
1.							
2.							
3.					Hydrophytic Vegetation Present?N		
5.							
4.							
	Total Cover =	0					
Remarks:	The upland sample point is dominated by sm	ooth brom	e and Ken	ntucky blue	egrass.		
Additional R	emarks:						
Additional N	terrains.						
]							