WETLAND DETERMINATION DATA FORM Great Plains Region

D:+/0:4		LOD									Deter	40/04/44
Project/Site:		L3R									Date:	10/04/14
Applicant:		Enbridge									County:	Red Lake
Investigators		BEH/NTT				Subregio			MLRA 56		State:	MN
Soil Unit:	159A						NWI	Classification:				
Landform:	Talf				Lo	cal Relief:	LL				Sample Point:	u-151n42w10-h2
Slope (%):	0 - 2%		Latitude: 4	47.905	59736	Longitude:	-96.020	64458	Datum:			
	hydrologic co	nditions on the sit							⊡Yes	□No	Section:	
Are Vegetati		☑ or Hydrology			disturbed?	(,		normal circum			Township:	
Are Vegetati		or Hydrology					7.00	☑ Yes	□No	0001111		Dir:
		, , ,,	Liturani	y prot	Jiemalic?			<u> </u>			Range:	DII.
SUMMARY (
Hydrophytic '				No						Is Present?		
Wetland Hyd				No							nt Within A Wo	etland? No
Remarks:	Upland sam	ple point located i	in a clover	r- and	l grass-dom	inated hay	field, clo	se to a roadsid	e ditch wetl	land.		
HYDROLOG	V											
Wetland Hy	drology Ind	icators (Check all	I that apply	ly; Mir	nimum of on	e primary	or two se	econdary requir	ed):			
Primary	<u>:</u>									Secondary:		
	A1 - Surface \					B11 - Salt (B6 - Surface S	
	A2 - High Wa					B13 - Aqua						Vegetated Concave Surface
	A3 - Saturation					C1 - Hydro					B10 - Drainage	
	B1 - Water M					C2 - Dry Se						Rhizospheres on Living Roots (tilled
	B2 - Sedimen							pheres on Living	Roots (not till		C8 - Crayfish E	
	B3 - Drift Dep					C4 - Prese						Nisible on Aerial Imagery
	B4 - Algal Ma					C7 - Thin N		ace			D2 - Geomorph	
	B5 - Iron Dep	osits In Visible on Aerial Im				Other (Exp	iain)				D5 - FAC-Neut	trai rest aved Hummocks (LRR F)
	B9 - Water-St		nagery								D7 - FIOSI-HE	aved Hullillocks (LRR F)
	D9 - Water-Si	dified Leaves										
Field Obser	vations:											
Surface Wat	er Present?	Yes	D	Depth:		(in.)			Matlemal I	ludual a auc l	D	N
Water Table	Present?	Yes \square	Г	Depth:		(in.)			wetiand F	lydrology l	Present?	N
Saturation P		Yes				(in.)						_
Saturation Present? Yes U Depth: (in.)												
	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Describe Rec							ections),	if available:				
Describe Rec Remarks:		stream gauge, moni or secondary hydr					ections),	if available:				
							ections),	if available:				
							ections),	if available:				
Remarks:	No primary		rological ir	ndicat	tors observe	d.			dicators.)			
Remarks: SOILS Profile Descri	No primary	or secondary hydr	rological ir	ndicat	tors observe	ed.	onfirm the	e absence of in				
Remarks: SOILS Profile Descri	No primary	or secondary hydr	rological ir	ndicat	tors observe	ed.	onfirm the	e absence of in				
Remarks: SOILS Profile Descri	No primary	or secondary hydrone be to the depth neetion, RM=Reduced M	rological ir	ndicat	tors observe	ed.	onfirm the	e absence of in ore Lining, M=Matri		I		
Remarks: SOILS Profile Descri	No primary	or secondary hydrone be to the depth neetion, RM=Reduced M	rological ir	ndicat docum	nent the indi	cator or co	onfirm the	e absence of in ore Lining, M=Matri es	(x)	Teyture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concei	No primary	or secondary hydrone be to the depth neetion, RM=Reduced Monatrix Color (Moist)	rological ir eeded to d latrix, CS=Cc	docum overed %	tors observe	cator or co	onfirm the	e absence of in ore Lining, M=Matri		Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concei	No primary ption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced M Matrix Color (Moist)	rological ir eeded to d latrix, CS=Cc	docum overed % 100	nent the indi //Coated Sand (cator or co Grains; Local Moist)	onfirm the tion: PL=Pe Mottle %	e absence of in ore Lining, M=Matri es Type	Location	SIC	pebble fragments	
Remarks: SOILS Profile Descri (Type: C=Concei	No primary	or secondary hydrone be to the depth neetion, RM=Reduced Monatrix Color (Moist)	rological ir eeded to d latrix, CS=Cc	docum overed % 100	nent the indi	cator or cc Grains; Local Moist)	onfirm the	e absence of in ore Lining, M=Matri es Type C	(x)	SIC SIC	pebble fragments	
Remarks: SOILS Profile Descri (Type: C=Concei	No primary ption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced M Matrix Color (Moist)	rological ir eeded to d latrix, CS=Cc	docum overed % 100	nent the indi //Coated Sand (cator or co Grains; Local Moist)	onfirm the tion: PL=Pe Mottle %	e absence of in ore Lining, M=Matri es Type	Location	SIC		el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14	No primary ption (Descriptration, D=Depl Hue_10YR Hue_2.5Y	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 5/4	rological ir eeded to d latrix, CS=Cc	docum overed % 100 70	color (I Hue_10YR Hue_10YR	cator or cc Grains; Local Moist) 6/8 3/1	Mottle Mo 10	e absence of in ore Lining, M=Matri es Type C C	Location M M	SIC SIC SIC	pebbles and grave	el present el present
Remarks: SOILS Profile Descri (Type: C=Concei	No primary ption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced M Matrix Color (Moist)	rological ir eeded to d latrix, CS=Cc	docum overed % 100	nent the indi /Coated Sand (Color (I	cator or cc Grains; Local Moist)	onfirm the	e absence of in ore Lining, M=Matri es Type C	Location M	SIC SIC	pebbles and grave	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14	No primary ption (Descriptration, D=Depl Hue_10YR Hue_2.5Y	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 5/4	rological ir eeded to d latrix, CS=Cc	docum overed % 100 70	color (I Hue_10YR Hue_10YR	cator or cc Grains; Local Moist) 6/8 3/1	Mottle Mo 10	e absence of in ore Lining, M=Matri es Type C C	Location M M	SIC SIC SIC	pebbles and grave	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21	No primary ption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR	be to the depth ne etion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4	rological ir eeded to d latrix, CS=Co	docum vovered % 100 70	color (I Hue_10YR Hue_2.5Y	cator or co Grains; Local Moist) 6/8 3/1 5/4	Mottle % 10 20 5	e absence of in ore Lining, M=Matri es Type C C C	Location M M	SIC SIC SIC	pebbles and grave	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21	No primary ption (Descriptration, D=Depl Hue_10YR Hue_2.5Y	be to the depth ne etion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4	rological ir eeded to d latrix, CS=Co	docum vovered % 100 70	color (I Hue_10YR Hue_10YR	cator or co Grains; Local Moist) 6/8 3/1 5/4	Mottle % 10 20 5	e absence of in ore Lining, M=Matri es Type C C	Location M M	SIC SIC SIC	pebbles and grave	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21	No primary ption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR	be to the depth ne etion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4	rological ir eeded to d latrix, CS=Co	documovered. % 100 70 95	color (I Hue_10YR Hue_2.5Y icators are r	cator or co Grains; Local Moist) 6/8 3/1 5/4 not presen	Mottle % 10 20 5	e absence of in ore Lining, M=Matri es Type C C C	Location M M	SIC SIC SIC SIC	pebbles and grave	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	No primary ption (Descrintration, D=Depl Hue_10YR Hue_2.5Y Hue_10YR	be to the depth ne etion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4	rological ir eeded to d latrix, CS=Co	documovered. % 100 70 95	color (I Hue_10YR Hue_2.5Y	cator or co Grains; Local Moist) 6/8 3/1 5/4 not presen	Mottle % 10 20 5	e absence of in ore Lining, M=Matri es Type C C C	Location M M M	SIC SIC SIC SIC	pebbles and grave pebbles and grave pebble fragments	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21	No primary ption (Descriptation, D=Depl Hue_10YR Hue_2.5Y Hue_10YR	be to the depth neetion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/4 Indicators (ch	rological ir eeded to d latrix, CS=Co	documovered % 100 70 95	color (I Color (I Hue_10YR Hue_10YR Hue_2.5Y icators are r \$5 - Sandy R \$6 - Stripped	d. cator or cc Grains; Local Moist) 6/8 3/1 5/4 not presen edox Matrix	monfirm the month of the month	e absence of in ore Lining, M=Matri es Type C C C	Location M M M	SIC SIC SIC SIC	pebbles and grave pebbles and grave pebble fragments	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	No primary ption (Description, D=Depl Hue_10YR Hue_2.5Y Hue_10YR A1- Histosol	be to the depth neetion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/4 Indicators (chippedon	rological ir eeded to d latrix, CS=Co	documovered % 100 70 95	color (I Hue_10YR Hue_2.5Y icators are r S5 - Sandy R	d. cator or cc Grains; Local Moist) 6/8 3/1 5/4 not presen edox Matrix	monfirm the month of the month	e absence of in ore Lining, M=Matri es Type C C C	Location M M M	SIC SIC SIC SIC Indicators 1 A9 - 1 cm M A16 - Coast	pebbles and gravine pebbles and gravine pebble fragments for Problematic luck (LRR I, J)	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	No primary ption (Description, D=Depl Hue_10YR Hue_2.5Y Hue_10YR A1- Histosol A2 - Histic Ep	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chain and indicators)	rological ir eeded to d latrix, CS=Co	% 100 70 95	color (I Color (I Hue_10YR Hue_10YR Hue_2.5Y icators are r \$5 - Sandy R \$6 - Stripped	d. cator or cc Grains; Local Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Minera	monfirm the confirm the confirm the confirm the confirmation: PL=Poisson Mottle % 10 20 5 5 tt):	e absence of in ore Lining, M=Matri es Type C C C	Location M M M	SIC SIC SIC SIC Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark Si	pebbles and gravine pebbles and gravine pebble fragments for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G)	el present el present
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Ption (Description) Description (Description) Description, Depti Hue_10YR Hue_2.5Y Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger	be to the depth ne etion, RM=Reduced M Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chain and indicators)	rological ir eeded to d latrix, CS=Co	documovered % 100 70 95	color (I Color (I Hue_10YR Hue_10YR Hue_2.5Y icators are r S5 - Sandy R S6 - Stripped F1 - Loamy N	cator or co Grains; Local Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Minera	monfirm the confirm the confirm the confirm the confirmation: PL=Poisson Mottle % 10 20 5 5 tt):	e absence of in ore Lining, M=Matri es Type C C C	Location M M M	SIC SIC SIC SIC Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark Si	pebbles and gravine pebbles and gravine pebble fragments for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression	el present el present 2 Soils¹ LRR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Ption (Descriptation, D=Deplication,	be to the depth ne etion, RM=Reduced M: Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chair ipedon stic in Sulfide	rological ir eeded to d latrix, CS=Co	documovered % 100 70 95	color (I Hue_10YR Hue_2.5Y S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G	d. cator or cograins; Local Moist) 6/8 3/1 5/4 not presen edox Matrix Mucky Minera eleyed Matrix Matrix Matrix Matrix	Mottle Mottle 10 20 5	e absence of in ore Lining, M=Matri es Type C C C	Location M M M	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S0 F16 - High F F18 - Reduc	pebbles and gravine pebbles and gravine pebble fragments for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression	el present el present 2 Soils¹ LRR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Pition (Descrintration, D=Deplementation, D=Depl	or secondary hydror secondary secondary secondary hydror hydro	eeded to d latrix, CS=Co	% 100 70 95	color (I Color (I Hue_10YR Hue_10YR Hue_2.5Y Loamy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted	Moist) 6/8 3/1 5/4 mot presen edox Matrix lucky Minera lielyed Matrix Matrix ark Surface Dark Surface	Mottle Mottle Mottle 20 5	e absence of in ore Lining, M=Matri es Type C C C	Location M M M	Indicators f A9 - 1 Cast ST - Dark SI F16 - High F F18 - Red G TF2 - Very	pebbles and gravi- pebbles and gravi- pebble fragments for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressioned Vertic 'earent Material Shallow Dark S	el present el present c Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Ption (Description) (Descripti	be to the depth ne etion, RM=Reduced M: Matrix Color (Moist) 5/4 2/1 Indicators (chairm of the chairm of the c	eeded to d latrix, CS=Co	% 100 70 95	Color (I Hue_10YR Hue_10YR Hue_2.5Y S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Mineralleyed Matrix atticky Mineralleyed Matrix Dark Surface Dark Surface pressions	Mottle Mottle 10 20 5	e absence of in ore Lining, M=Matri	Location M M M	Indicators f A9 - 1 Cast ST - Dark SI F16 - High F F18 - Red G TF2 - Very	pebbles and gravine pebbles and gravine pebble fragments for Problematic luck (LRR I, J) Prairie Redox (furface (LRR G) Plains Depression der Vertic parent Material	el present el present c Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Ption (Description) (Descripti	be to the depth neetion, RM=Reduced Mineral Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chairm of the color of the c	eeded to d latrix, CS=Co	% 100 70 95	Color (I Hue_10YR Hue_10YR Hue_2.5Y S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Mineralleyed Matrix atticky Mineralleyed Matrix Dark Surface Dark Surface pressions	Mottle Mottle 10 20 5	e absence of in ore Lining, M=Matri es Type C C C	Location M M M	Indicators f A9 - 1 Cast ST - Dark SI F16 - High F F18 - Red G TF2 - Very	pebbles and gravi- pebbles and gravi- pebble fragments for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressioned Vertic 'earent Material Shallow Dark S	el present el present c Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Pition (Descriptation, D=Deplementation, D=Deple	or secondary hydror secondary hydror secondary hydror secondary hydror secondary hydror secondary hydror secondary s	eeded to d latrix, CS=Cc	% 100 70 95	Color (I Hue_10YR Hue_10YR Hue_2.5Y S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Mineralleyed Matrix atticky Mineralleyed Matrix Dark Surface Dark Surface pressions	Mottle Mottle 10 20 5	e absence of in ore Lining, M=Matri	Location M M M	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S1 F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	pebbles and gravine pebbles and gravine pebble fragments for Problematic luck (LRR I, J) Prairie Redox (LRR G) Plains Depressioned Vertic Parent Material Shallow Dark S ain in Remarks)	el present el present el present c Soils¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Pition (Descrintration, D=Deplete 10 Pition (Descrintration, D=Deplete 10 Pition (Description) Pition (Description	be to the depth ne etion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chair in the color in Sulfide Layers (LRR F) ck (LRR FGH) delow Dark Surface ucky Mineral Lucky Peat or Peat (LR)	eeded to d latrix, CS=Cc	% 100 70 95	Color (I Hue_10YR Hue_10YR Hue_2.5Y S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Mineralleyed Matrix atticky Mineralleyed Matrix Dark Surface Dark Surface pressions	Mottle Mottle 10 20 5	e absence of in ore Lining, M=Matri	Location M M M	Indicators of holicators of hindicators of hindicat	pebbles and gravine pebbles and gravine pebbles and gravine pebble fragments for Problematic pebble fragmen	el present el present c Soils¹ LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Pition (Descriptation, D=Deplementation, D=Deple	be to the depth ne etion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chair in the color in Sulfide Layers (LRR F) ck (LRR FGH) delow Dark Surface ucky Mineral Lucky Peat or Peat (LR)	eeded to d latrix, CS=Cc	% 100 70 95	Color (I Hue_10YR Hue_10YR Hue_2.5Y S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Mineralleyed Matrix atticky Mineralleyed Matrix Dark Surface Dark Surface pressions	Mottle Mottle 10 20 5	e absence of in ore Lining, M=Matri	Location M M M	Indicators of holicators of hindicators of hindicat	pebbles and gravine pebbles and gravine pebble fragments for Problematic luck (LRR I, J) Prairie Redox (LRR G) Plains Depressioned Vertic Parent Material Shallow Dark S ain in Remarks)	el present el present el present c Soils¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Pition (Descrintration, D=Deplete 10 Pition (Descrintration, D=Deplete 10 Pition (Description) Pition (Description	be to the depth ne etion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chair in the color in Sulfide Layers (LRR F) ck (LRR FGH) delow Dark Surface ucky Mineral Lucky Peat or Peat (LR)	eeded to d latrix, CS=Cc	% 100 70 95	Color (I Hue_10YR Hue_10YR Hue_2.5Y S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Mineralleyed Matrix atticky Mineralleyed Matrix Dark Surface Dark Surface pressions	Mottle Mottle 10 20 5	e absence of in ore Lining, M=Matri	Location M M M	Indicators of holicators of hindicators of hindicat	pebbles and gravine pebbles and gravine pebbles and gravine pebble fragments for Problematic pebble fragmen	el present el present el present c Soils¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Pition (Descrintration, D=Depleter 10 Pition (Descrintration, D=Depleter 10 Pition (Description) Pition (Descripti	be to the depth ne etion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chair in the color in Sulfide Layers (LRR F) ck (LRR FGH) delow Dark Surface ucky Mineral Lucky Peat or Peat (LR)	eeded to d latrix, CS=Cc	% 100 70 95	color (I Color (I Hue_10YR Hue_10YR Hue_2.5Y Loamy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	d. cator or cc Grains; Local Moist) 6/8 3/1 5/4 not presen edox Matrix lucky Minera lieved Matrix Matrix ark Surface ark Surface park Surface park Surface pressions ains Depres	Mottle Mottle 10 20 5	e absence of in ore Lining, M=Matri	Location M M M H	Indicators of hunless disturbed	pebbles and gravine pebbles and gravine pebbles and gravine pebble fragments for Problematic pebble fragmen	el present el present el present c Soils¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	be to the depth neetion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chairman and the color of the col	eeded to d latrix, CS=Co	ndicated document overed. % 100 70 95 if indicated a control of the control	Color (I Hue_10YR Hue_10YR Hue_2.5Y icators are r \$5 - Sandy R \$6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	d. cator or cograins; Local Moist) 6/8 3/1 5/4 not presen edox Matrix Mucky Mineral sleyed Matrix Matrix Aurka Surface Dark Surface pressions ains Depres	Mottle Mottle Mottle 10 20 5 tt):	e absence of in ore Lining, M=Matri es Type C C C C H RA 72, 73 of LRR	Location M M M H I	Indicators 1 A9 - 1 cm M A16 - Coast ST - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	pebbles and gravine pebbles and gravine pebbles and gravine pebble fragments for Problematic funck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressional Material Shallow Dark Sain in Remarks) Inversity of the problematic function of the pebbles and problematic for problematic functions and problematic for problematic functions and problematic functions are problematic functions and problematic functions are problematic functions.	el present el present 2 Soils¹ LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Burface ion and wetland hydrology must be presen
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-3 3-14 14-21 NRCS Hydr	Hue_10YR Hue_2.5Y Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	be to the depth neetion, RM=Reduced M. Matrix Color (Moist) 2/1 5/4 2/1 Indicators (chairman and the color of the col	eeded to d latrix, CS=Co	ndicated document overed. % 100 70 95 if indicated a control of the control	Color (I Hue_10YR Hue_10YR Hue_2.5Y icators are r \$5 - Sandy R \$6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	d. cator or cograins; Local Moist) 6/8 3/1 5/4 not presen edox Matrix Mucky Mineral sleyed Matrix Matrix Aurka Surface Dark Surface pressions ains Depres	Mottle Mottle Mottle 10 20 5 tt):	e absence of in ore Lining, M=Matri es Type C C C C H RA 72, 73 of LRR	Location M M M H I	Indicators 1 A9 - 1 cm M A16 - Coast ST - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	pebbles and gravine pebbles and gravine pebbles and gravine pebble fragments for Problematic funck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depressional Material Shallow Dark Sain in Remarks) Inversity of the problematic function of the pebbles and problematic for problematic functions and problematic for problematic functions and problematic functions are problematic functions and problematic functions are problematic functions.	el present el present el present 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-151n42w10-h2				
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: 0 (A)				
3.					(/				
4.					Total Number of Dominant Species Across All Strata: 2 (B)				
					Total Number of Dominant Species Across All Strata(D)				
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				
		0			FACW spp. 5 x 2 = 10				
	Total Gover –	0	_		FAC and 3 X 2 - 10				
					FAC spp. 0 x 3 = 0				
	Stratum (Plot size: 15 ft. radius)				FACU spp. 65 x 4 = 260				
1.					UPL spp. 25				
2.									
3.		-	-	-	Total 95 (A) 395 (B)				
4.					···				
5.					Prevalence Index = B/A = 4.158				
6.					7.100				
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) *				
Horb Stratum /	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Trifolium hybridum	EE	Υ	FACU	Froblem Hydrophytic Vegetation (Explain)				
		55			* Indicators of budgin sail and watland budgalagy must be				
2.	Bromus inermis	25	Y	UPL	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
3.	Trifolium repens	10	N	FACU					
4.	Phalaris arundinacea	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.				
				_	Sapining/Sili up - 11000) planto loco train o ini 2211, 10gardioco o noigra:				
10.									
11.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
10.	Total Cover =	95			····•				
	Total Cover =	90	_						
Woody Vine St	ratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.					,				
4.									
- 7.	Total Carre	0		_					
Damadaa	Total Cover =	0							
Remarks: Sample site dominated by alsike clover and smooth brome.									
Additional Remarks:									
I									