WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/03/14	
Applicant:		Enbridge								County:	Red Lake	
Investigators	3 :	NTT/BEH			Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN	
Soil Unit:	159A			NWI	Classification							
Landform:	Depression			Local Relief: CC						Sample Point:	w-151n42w9-k1	
Slope (%):	3 - 7%		Latitude: 47.9	16342	Longitude:	-96.0351	127	Datum:		1		
		nditions on the site						⊡Yes	□No	Section:		
Are Vegetati		☐ or Hydrology			(,		normal circun			Township:		
Are Vegetati		or Hydrology				7 11 0	☑ Yes	□No	0001111	Range:	Dir:	
SUMMARY (Laturally pro	biematic:			1 103			Range.	DII.	
Hydrophytic			Yes		-				Is Present?			
	drology Prese	nt?	Yes				_	Is This Sai	mpling Poir	nt Within A W	etland? Yes	
Remarks:	The wetland	d is a fresh wet me	eadow that is I	ocated in a la	arge open	meadow a	area. The wet	land vegeta	ition is dom	inated by woo	lly sedge and reed	canary
	grass.											
HYDROLOG	Υ											
Wotland Hy	drology Ind	icators (Check all	I that apply: M	inimum of or	o nrimary	or two so	condany requi	red):				
Primary		icators (Crieck all	i tilat appiy, ivi	ii iii ii ui ii oi oi	e pililaly	OI WO SE	condary requi	ieu).	Secondary:			
		Nater		П	B11 - Salt (Cruet				B6 - Surface S	oil Cracks	
☐ A1 - Surface Water ☐ A2 - High Water Table					B13 - Aqua							urface
I							e Odor			☐ B8 - Sparsely Vegetated Concave Surface☐ B10 - Drainage Patterns		
	B1 - Water M			☐ C2 - Dry Season Water Table ☐						C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B2 - Sedimen	t Deposits								C8 - Crayfish E		• ,
	B3 - Drift Dep	osits			C4 - Prese			,			n Visible on Aerial Imag	gery
	B4 - Algal Ma				C7 - Thin N		ce			D2 - Geomorp		
	B5 - Iron Dep				Other (Exp	lain)				D5 - FAC-Neu		
		n Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR	ί F)
	B9 - Water-S	ained Leaves										
Field Obser	vations:											
Surface Wat	er Present?	Yes 🔲	Depth	n:	(in.)						.,	
Water Table	Present?	Yes 🗆	Denth	1:	(in.)			Wetland F	Hydrology	Present?	Υ	
Saturation P		Yes	Depti		(in.)						-	
Gaturation	i Cociii:	res 🖿	Depti	I.	(111.)							
					,							
Describe Rec		stream gauge, moni			evious insp							
Describe Rec Remarks:		stream gauge, moni wetland hydrology			evious insp			ed on hydro	phytic vege	tation present	t and hydric soils.	
					evious insp			ed on hydro	phytic vege	tation present	t and hydric soils.	
					evious insp			ed on hydro	phytic vege	tation present	t and hydric soils.	
Remarks:	No primary		indicators are	e present. W	evious insp etland hyd	rology is a	assumed base		phytic vege	tation present	t and hydric soils.	
Remarks: SOILS Profile Descr	No primary	wetland hydrology	indicators are	e present. W	evious inspetland hyd	rology is a	assumed base e absence of ir	ndicators.)	phytic vege	tation present	t and hydric soils.	
Remarks: SOILS Profile Descr	No primary	wetland hydrology be to the depth ne	indicators are	e present. W	evious inspetland hyd	rology is a	assumed base e absence of ir	ndicators.)	phytic vege	tation present	t and hydric soils.	
Remarks: SOILS Profile Descr	No primary	wetland hydrology be to the depth ne	indicators are	e present. W	evious inspetland hyd	rology is a	assumed base e absence of ir ore Lining, M=Mate	ndicators.)	phytic vege	tation present	t and hydric soils.	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary	wetland hydrology be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	ment the indi	evious insp etland hyd cator or co Grains; Local	onfirm the	assumed base e absence of ir re Lining, M=Matr	ndicators.)		tation present		
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu latrix, CS=Covere	ment the indi	evious insp etland hyd cator or co Grains; Local	onfirm the	assumed base e absence of ir ore Lining, M=Mate	ndicators.)	Texture	tation present	t and hydric soils. Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu latrix, CS=Covere %	ment the indi	evious inspetland hyd cator or co	onfirm the tion: PL=Poi	assumed base e absence of ir ore Lining, M=Matr es Type	dicators.)	Texture CL	tation present		
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu latrix, CS=Covere	ment the indi d/Coated Sand Color (Hue_10YR	cator or cc Grains; Locat Moist)	onfirm the tion: PL=Poi	assumed base a absence of ir are Lining, M=Matr as Type C	dicators.) ix) Location	Texture CL C	tation present		
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu latrix, CS=Covere %	ment the indi	cator or cc Grains; Locat Moist)	onfirm the tion: PL=Poi	assumed base e absence of ir ore Lining, M=Matr es Type	dicators.)	Texture CL	tation present		
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu latrix, CS=Covere %	ment the indi d/Coated Sand Color (Hue_10YR	cator or cc Grains; Locat Moist)	onfirm the tion: PL=Poi	assumed base a absence of ir are Lining, M=Matr as Type C	dicators.) ix) Location	Texture CL C	tation present		
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu latrix, CS=Covere %	ment the indi d/Coated Sand Color (Hue_10YR	cator or cc Grains; Locat Moist)	onfirm the tion: PL=Poi	assumed base a absence of ir are Lining, M=Matr as Type C	dicators.) ix) Location	Texture CL C	tation present		
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu latrix, CS=Covere %	ment the indi d/Coated Sand Color (Hue_10YR	cator or cc Grains; Locat Moist)	onfirm the tion: PL=Poi	assumed base a absence of ir are Lining, M=Matr as Type C	dicators.) ix) Location	Texture CL C	tation present		
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr ntration, D=Depi	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2	y indicators are seeded to docu latrix, CS=Covere % 100 90	ment the indi ment the indi med/Coated Sand Color (Hue_10YR Hue_2.5YR	cator or cc Grains; Local Moist)	onfirm the ction: PL=Por	assumed base a absence of ir are Lining, M=Matr as Type C	dicators.) ix) Location	Texture CL C	tation present		
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descr	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2	eeded to docu latrix, CS=Covere %	ment the indi ment the indi med/Coated Sand Color (Hue_10YR Hue_2.5YR	cator or cc Grains; Local Moist)	onfirm the ction: PL=Por	e absence of ir re Lining, M=Matr ss Type C C	dicators.) ix) Location	Texture CL C		Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description, D=Depl Hue_10YR Hue_10YR	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2	y indicators are eeded to docu atrix, CS=Covere % 100 90 neck here if in	ment the indi indi/Coated Sand Color (Hue_10YR Hue_2.5YF	cator or co Grains; Locat Moist) 6/8 3/6 not presen	onfirm the ction: PL=Por	e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C	for Problematic	Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce) Depth (In.) 0-12 12-24 NRCS Hydi	No primary iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch	eeded to docu atrix, CS=Covere % 100 90 neck here if in	ment the indid/Coated Sand Color (Hue_10YR Hue_2.5YR dicators are i	cator or cc Grains; Local Moist) 6/8 3/6 not presen edox	onfirm the ction: PL=Por	e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm M	for Problematic	Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-12 12-24 NRCS Hydr	No primary iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch	y indicators are eeded to docu atrix, CS=Covere % 100 90 eeck here if in	ment the indid/Coated Sand Color (Hue_10YR Hue_2.5YR dicators are i	evious inspetiand hyd cator or cograins; Local Moist) 6/8 3/6 not presen edox Matrix	monormal the confirm the confirmation in the confirmation that confirmation is confirmation to the confirmation that con	e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C C Indicators 1 A9 - 1 cm M A16 - Coast	for Problematic luck (LRR I, J)	Remarks	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description (Description) Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chairs)	y indicators are seeded to docu latrix, CS=Covere % 100 90 eneck here if in	ment the indi ment the indi mod/Coated Sand Color (Hue_10YR Hue_2.5YF dicators are i \$\$ 55 - Sandy F \$\$ 56 - Stripped \$\$ 56 - Stripped \$\$ F1 - Loamy N	cator or co Grains; Local Moist) 6/8 3/6 not presen edox Matrix Mucky Minera	rology is a confirm the tion: PL=Port Mottle: % 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators I A9 - 1 cm M A16 - Coast S7 - Dark S	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G)	Remarks Soils¹ LRR F, G, H)	73)
Remarks: SOILS Profile Descr (Type: C=Conce Depth (In.) 0-12 12-24 NRCS Hydr	No primary iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch	y indicators are eeded to docu atrix, CS=Covere % 100 90 neck here if in	ment the indi ad/Coated Sand Color (Hue_10YR Hue_2.5YF dicators are ii 3 S5 - Sandy R 3 S6 - Stripped 3 F1 - Loamy N 1 F2 - Loamy N	cator or cograins; Locat Moist) 6/8 3/6 not presen edox Matrix Mucky Minera Bleyed Matrix	rology is a confirm the tion: PL=Port Mottle: % 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G)	Remarks	73)
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description, D=Depl Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chairs)	y indicators are seeded to docu atrix, CS=Covere % 100 90 eck here if in	ment the indi ment the indi mod/Coated Sand Color (Hue_10YR Hue_2.5YF dicators are i \$\$ 55 - Sandy F \$\$ 56 - Stripped \$\$ 56 - Stripped \$\$ F1 - Loamy N	cator or cc Grains; Local Moist) 6/8 3/6 not presen edox Matrix Mucky Minera Bleyed Matrix Matrix Matrix Matrix	mology is a confirm the confirmation of the confirmation o	e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G)	Remarks Soils¹ LRR F, G, H)	73)
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description, D=Depl Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black Histosol A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (ch	y indicators and eeded to docu atrix, CS=Covere % 100 90 neck here if in	ment the indid/Coated Sand Color (Hue_10YR Hue_2.5YF dicators are ii \$5 - Sandy R \$6 - Strippe N \$1 F1 - Loamy C \$1 F2 - Loamy C \$1 F3 - Depleted	cator or cograins; Local Moist) 6/8 3/6 not presen edox Matrix Mucky Minera Mutrix Mucky Minera Matrix Murky Minera Murky Min	mology is a soft of the control of t	e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F16 - High F F18 - Reduc	for Problematic fluck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7	73)
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description, D=Depl Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black Histosol A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chairpedon stic on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	y indicators are eeded to doculatrix, CS=Covere % 100 90 eeck here if in	ment the indicators are in the second of the	evious inspetland hyd cator or cograins; Locat Moist) 6/8 3/6 and presen edox Matrix Mucky Mineralleyed Matrix I Matrix ark Surface i Dark Surfae epressions	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	assumed base e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Red uc TF2 - Red F TF12 - Very	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression and Vertic Parent Material	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7	773)
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description (Description) Hue_10YR 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	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chaipedon stic on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface aucky Mineral	y indicators are seeded to docu atrix, CS=Covere % 100 90 eck here if in	ment the indicators are in the second of the	evious inspetland hyd cator or cograins; Locat Moist) 6/8 3/6 and presen edox Matrix Mucky Mineralleyed Matrix I Matrix ark Surface i Dark Surfae epressions	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Red uc TF2 - Red F TF12 - Very	for Problematic for Problematic for Problematic for Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7	73)
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descritation, D=Depinitation, D=Depinitati	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chaipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (Li	y indicators are seeded to docu latrix, CS=Covere % 100 90 eneck here if in	ment the indicators are in the second of the	evious inspetland hyd cator or cograins; Locat Moist) 6/8 3/6 and presen edox Matrix Mucky Mineralleyed Matrix I Matrix ark Surface i Dark Surfae epressions	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	assumed base e absence of ir re Lining, M=Matr ss Type C C	Location M M	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	for Problematic fluck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression Parent Material Shallow Dark S ain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7)	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description (Description) (Description	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chaired in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral Lucky Peat or Peat (LRK) Peat	y indicators are seeded to docu latrix, CS=Covere % 100 90 eneck here if in	ment the indicators are in the second of the	evious inspetland hyd cator or cograins; Locat Moist) 6/8 3/6 and presen edox Matrix Mucky Mineralleyed Matrix I Matrix ark Surface i Dark Surfae epressions	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	assumed base e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm W A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF12 - Very Other (Expla	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Parent Material Pa	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Descritation, D=Depinitation, D=Depinitati	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chaired in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral Lucky Peat or Peat (LRK) Peat	y indicators are seeded to docu latrix, CS=Covere % 100 90 eneck here if in	ment the indicators are in the second of the	evious inspetland hyd cator or cograins; Locat Moist) 6/8 3/6 and presen edox Matrix Mucky Mineralleyed Matrix I Matrix ark Surface i Dark Surfae epressions	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	assumed base e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm W A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF12 - Very Other (Expla	for Problematic fluck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression Parent Material Shallow Dark S ain in Remarks)	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7)	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description (Description) (Description	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chaired in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral Lucky Peat or Peat (LRK) Peat	y indicators are seeded to docu latrix, CS=Covere % 100 90 eneck here if in	ment the indicators are in the second of the	evious inspetland hyd cator or cograins; Locat Moist) 6/8 3/6 and presen edox Matrix Mucky Mineralleyed Matrix I Matrix ark Surface i Dark Surfae epressions	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	assumed base e absence of ir re Lining, M=Matr ss Type C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm W A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF12 - Very Other (Expla	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Parent Material Pa	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7)	
Remarks: SOILS Profile Descr (Type: C=Conce	No primary iption (Description (Description) (Description	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chaired in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral Lucky Peat or Peat (LRK) Peat	y indicators are seeded to docu latrix, CS=Covere % 100 90 eneck here if in	ment the indicators are in the second of the	cator or cograins; Locat Moist) 6/8 3/6 Mot presen edox Matrix Mucky Minera Sleyed Matrix I Matrix ark Surface I Dark Surfa epressions ains Depres	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	assumed base e absence of ir re Lining, M=Matr ss Type C C C	Location M M C C C C C C C C C C C C C C C C C	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F TF2 - Red F TF12 - Very Other (Expla	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Parent Material Pa	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7)	
Remarks: SOILS Profile Descr (Type: C=Conce	ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	be to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chaipedon Stic Suffide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRI leyed Matrix	y indicators are seeded to docu latrix, CS=Covere % 100 90 eneck here if in	ment the indical color (Hue_10YR Hue_2.5YR dicators are is 1	cator or cograins; Locat Moist) 6/8 3/6 Mot presen edox Matrix Mucky Minera Sleyed Matrix I Matrix ark Surface I Dark Surfa epressions ains Depres	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	assumed base e absence of ir re Lining, M=Matr ss Type C C C	Location M M	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F TF2 - Red F TF12 - Very Other (Expla	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Parent Material Pa	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7)	
Remarks: SOILS Profile Descr (Type: C=Conce	ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 4/2 Indicators (chaired in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral Lucky Peat or Peat (LRK) Peat	y indicators are seeded to docu latrix, CS=Covere % 100 90 eneck here if in	ment the indical color (Hue_10YR Hue_2.5YR dicators are is 1	cator or cograins; Locat Moist) 6/8 3/6 Mot presen edox Matrix Mucky Minera Sleyed Matrix I Matrix ark Surface I Dark Surfa epressions ains Depres	rology is a confirm the confirmation that confirm the confirmation that confirmation that confirmation the confirmation thas confirmation the confirmation that confirmation the confirmati	assumed base e absence of ir re Lining, M=Matr ss Type C C C	Location M M C C C C C C C C C C C C C C C C C	Texture CL C C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F TF2 - Red F TF12 - Very Other (Expla	for Problematic luck (LRR I, J) Prairie Redox (urface (LRR G) Plains Depression ced Vertic Parent Material Parent Material Pa	Remarks Soils¹ LRR F, G, H) Ons (LRR H, outside MLRA 72, 7)	

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-151n42w9-k1
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.		<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
2.					Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)
3.					(11)
					Total Number of Descinant Occasion Assess All Objects (D)
4.					Total Number of Dominant Species Across All Strata: 4 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 40 X 1 = 40
		0			FACW spp. 60 x 2 = 120
	Total Gover –	0	_		
					FAC spp. 0 x 3 = 0
	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 x 4 = 0
1.		25	Υ		UPL spp. 0 x 5 = 0
2.					
3.					Total 100 (A) 160 (B)
4.					
5.					Prevalence Index = B/A = 1.600
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover =	25			X Prevalence Index is ≤ 3.0 *
	•				Morphological Adaptations (Explain) *
Herh Stratum (Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Carex pellita	40	Υ	OBL	rroblem riyarophytto vegetation (Explain)
2.	Phalaris arundinacea	30	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
					present, unless disturbed or problematic.
3.	Calamagrostis canadensis	30	Υ	FACW	
4.				_	Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.				_	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.
10.					
11.					LL. All harbacoaus (non woody) plants, regardless of size
12.					Herb - All herbaceous (non-woody) plants, regardless of size.
13.					
14.					
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	100			
	. 3 30701		_		
Moody Vino St	rotum (Plot cizo: 20 ft rodius)				
	ratum (Plot size: 30 ft. radius)				
1.				-	
2.					
3.					Hydrophytic Vegetation Present? Y
5.					
4.					
	Total Cover =	0			
Remarks:	The wetland vegetation is dominated by woo		reed cana	ry grass. a	and Canada bluejoint.
		,		, 5. 200, 0	
Additional R	Remarks:				
<u></u>					