WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	06/30/14
Applicant:		Enbridge									County:	Kittson
Investigators		EAB/RAJ				Subregio	n (MI RA	or LRR):	MLRA 56		State:	MN
Soil Unit:	I132A	Er terro to	i			Cubiogio		Classification:			Oldio.	
Landform:	Talf				Lo	cal Relief:		Classification.			Sample Point	u-159n49w23-b1
Slope (%):	0 - 2%		Latitude:	48 57/		Longitude:		350	Datum:		Campie i dini.	u-10011 -1 0W20-51
		nditions on the site							□Yes	☑ No	Continu	
						al ! (If no, exp		e normal circum			Section:	
Are Vegetation		or Hydrology			disturbed?		Ale		•	esent	Township:	
Are Vegetation		☐ or Hydrology	∟aturai	ly prot	olematic?			Yes	□No		Range:	Dir:
SUMMARY C												
Hydrophytic '				No					Hydric Soil			
Wetland Hyd				No							t Within A W	
Remarks:	The sample	site is located in a	a weedy,	cleare	ed area adja	cent to an	excavat	ed drainagewa	y by a large	utility station	on. Recent he	eavy rains have affected the
	region.											
HYDROLOG	Υ											
		icators (Check all	I that ann	dy: Mir	imum of on	o primary	or two co	ocondony roquir	od):			
Primary		icators (Crieck all	ι ιιιαι αμμ	ny, iviii	iiiiiuiii oi oii	e primary	OI LWO S	econdary requir	eu).	Secondary:		
	A1 - Surface \	Nater				B11 - Salt	Crust				B6 - Surface S	Soil Cracks
1 5	A2 - High Wa					B13 - Aqua						Vegetated Concave Surface
I	A3 - Saturation					C1 - Hydro					B10 - Drainage	
	B1 - Water M					C2 - Dry S						Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	t Deposits				C3 - Oxidiz	ed Rhizos	spheres on Living	Roots (not till	. 🗖	C8 - Crayfish E	Burrows
	B3 - Drift Dep	osits				C4 - Prese						n Visible on Aerial Imagery
	B4 - Algal Ma					C7 - Thin N		ace			D2 - Geomorp	
	B5 - Iron Dep					Other (Exp	lain)				D5 - FAC-Neu	
		on Visible on Aerial Im	nagery								D7 - Frost-Hea	aved Hummocks (LRR F)
	B9 - Water-St	tained Leaves										
Field Obser												
Surface Wat	er Present?	Yes \square		Depth:		(in.)			Motland H	ludrologu, l	Dragant?	NI
Water Table	Present?	Yes \square		Depth:		(in.)			Wetland H	iyarology	Presentr	N
Saturation Pr	resent?	Yes \square		Depth:		(in.)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Dogariba Boo	orded Data /	troom gougo mon	itorina wo	II oorid	al photon pr	vious inor	ootiona)	if available:				
						evious insp	ections),	if available:				
Describe Reco		stream gauge, moni hydrology indicato				evious insp	ections),	if available:				
Remarks:						evious insp	ections),	if available:				
Remarks: SOILS	No wetland	hydrology indicato	ors were	observ	red.							
Remarks: SOILS Profile Descri	No wetland	hydrology indicate	eeded to	observ docum	red.	cator or co	onfirm th	e absence of in				
Remarks: SOILS Profile Descri	No wetland	hydrology indicato	eeded to	observ docum	red.	cator or co	onfirm th	e absence of in				
Remarks: SOILS Profile Descri	No wetland	hydrology indicate be to the depth ne etion, RM=Reduced M	eeded to	observ docum	red.	cator or co	onfirm the	e absence of in ore Lining, M=Matri			I	
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate tibe to the depth ne etion, RM=Reduced M Matrix	eeded to	docum Covered/	red. nent the indi Coated Sand (cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matri es	(x)			
Remarks: SOILS Profile Descri	No wetland	hydrology indicate be to the depth ne etion, RM=Reduced M	eeded to	observ docum	red.	cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matri		Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate tibe to the depth ne etion, RM=Reduced M Matrix	eeded to	docum Covered/	red. nent the indi Coated Sand (cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matri es	(x)	Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate tibe to the depth ne etion, RM=Reduced M Matrix	eeded to	docum Covered/	red. nent the indi Coated Sand (cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matri es	(x)	Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate tibe to the depth ne etion, RM=Reduced M Matrix	eeded to	docum Covered/	red. nent the indi Coated Sand (cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matri es	(x)	Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate tibe to the depth ne etion, RM=Reduced M Matrix	eeded to	docum Covered/	red. nent the indi Coated Sand (cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matri es	(x)	Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate tibe to the depth ne etion, RM=Reduced M Matrix	eeded to	docum Covered/	red. nent the indi Coated Sand (cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matri es	(x)	Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate tibe to the depth ne etion, RM=Reduced M Matrix	eeded to	docum Covered/	red. nent the indi Coated Sand (cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matri es	(x)	Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate the to the depth ne etion, RM=Reduced M Matrix Color (Moist)	eeded to elatrix, CS=C	docum Covered/ %	red. nent the indi //Coated Sand (cator or co Grains; Loca Moist)	onfirm thition: PL=Pi Mottle %	e absence of in ore Lining, M=Matri es Type	(x)	Texture		Remarks
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate the to the depth ne etion, RM=Reduced M Matrix Color (Moist)	eeded to elatrix, CS=C	docum Covered/ %	red. nent the indi Coated Sand (cator or co Grains; Loca Moist)	onfirm thition: PL=Pi Mottle %	e absence of in ore Lining, M=Matri es	(x)			
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicate the to the depth ne etion, RM=Reduced M Matrix Color (Moist)	eeded to elatrix, CS=C	docum Covered/ %	ced. Inent the indicated Sand (Coated Sand	cator or co Grains; Loca Moist)	onfirm thition: PL=Pi Mottle %	e absence of in ore Lining, M=Matri es Type	(x)		or Problematic	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland	hydrology indicate the to the depth ne etion, RM=Reduced M Matrix Color (Moist)	eeded to elatrix, CS=C	docum Covered/ %	ced. Inent the indicoated Sand (Coated Sand	cator or co Grains; Local Moist)	onfirm thition: PL=Pi Mottle %	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M	luck (LRR I, J)	c Soils ¹
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Descrintration, D=Depl	hydrology indicate tibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) Indicators (ch	eeded to elatrix, CS=C	docum Covered/ %	ced. Inent the indicated Sand (Coated Sand	cator or co Grains; Local Moist)	onfirm thition: PL=Pi Mottle %	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F	luck (LRR I, J) Prairie Redox (L	c Soils ¹ .RR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Description, D=Depl	hydrology indicate tibe to the depth neetion, RM=Reduced Mi Matrix Color (Moist) Indicators (chains	eeded to elatrix, CS=C	docum Covered/ %	ced. Inent the indicoated Sand (Coated Sand	cator or co Grains; Local Moist) Moist) not presen edox Matrix	Mottle %	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F	luck (LRR I, J)	c Soils ¹ .RR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	No wetland iption (Descrintration, D=Depl ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	hydrology indicate ibe to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic in Sulfide	eeded to elatrix, CS=C	docum Covered/ %	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G	Moist) Mot presented was marked with the mot presented was marked was marked with the mot presented was marked with the mot presented was marked was marked with the mot presented was marked was mar	onfirm thion: PL=P: Mottle % t):	e absence of in ore Lining, M=Matri es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressio	c Soils ¹ .RR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	hydrology indicate ibe to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (chaipedon stic n Sulfide Layers (LRR F)	eeded to elatrix, CS=C	docum Covered/ %	color (I Col	Moist) Mot presented with the p	onfirm the	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ed Vertic	<u>c Soils¹</u> .RR F, G, H)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Description, D=Depl iric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A6 - Stratified A9 - 1 cm Mu	hydrology indicate the to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n sulfide Layers (LRR F) ck (LRR FGH)	eeded to eeded to elatrix, CS=C	docum Covered/ %	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy S F3 - Depleted F6 - Redox D	cator or co Grains; Local Moist) Moist) not presented with the control of the c	Mottle %	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark SI F16 - High F F18 - Reduc TF2 - Red F	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Parent Material	C Soils ¹ RR F, G, H) DNS (LRR H, outisde MLRA 72, 73)
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Descrintration, D=Depl ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete	hydrology indicate tibe to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface	eeded to eeded to elatrix, CS=C	docum Covered/ %	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted	Moist) Moist) Mot presen edox Matrix Jucky Mineralieyed Matrix Matrix Ark Surface Dark Surface	Mottle %	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark S	c Soils ¹ LRR F, G, H) DDS (LRR H, outisde MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) NRCS Hydr	ntration, D=Deplintration, D=Deplintrati	hydrology indicate ibe to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ark Surface	eeded to eeded to elatrix, CS=C	docum Covered/ %	Color (I Coated Sand (I Coated Sand (I Color (I Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) Moist) Mot presen edox Matrix lucky Mineralleyed Matrix Matrix ark Surface Dark Surface poressions	monfirm the story of the story	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Parent Material	c Soils ¹ LRR F, G, H) DDS (LRR H, outisde MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	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	hydrology indicate ibe to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ark Surface ucky Mineral	eeded to eeded to latrix, CS=C	docum Covered/ %	Color (I Coated Sand (I Coated Sand (I Color (I Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) Moist) Mot presen edox Matrix lucky Mineralleyed Matrix Matrix ark Surface Dark Surface poressions	monfirm the story of the story	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark S	c Soils ¹ LRR F, G, H) DDS (LRR H, outisde MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Description, D=Depl intration, D=Depl ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (L	eeded to eeded to elatrix, CS=C	docum Covered/ %	Color (I Coated Sand (I Coated Sand (I Color (I Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) Moist) Mot presen edox Matrix lucky Mineralleyed Matrix Matrix ark Surface Dark Surface poressions	monfirm the story of the story	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S ain in Remarks)	C Soils ¹ LRR F, G, H) DIS (LRR H, outisde MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Descrintration, D=Depl ict Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S3 - 5 cm Mu S3 - 5 cm Mu	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral fucky Peat or Peat (LR cky Peat or Peat (LR	eeded to eeded to elatrix, CS=C	docum Covered/ %	Color (I Coated Sand (I Coated Sand (I Color (I Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) Moist) Mot presen edox Matrix lucky Mineralleyed Matrix Matrix ark Surface Dark Surface poressions	monfirm the story of the story	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Prairie Material Prairie Material Shallow Dark S Ain in Remarks)	c Soils ¹ LRR F, G, H) DDS (LRR H, outisde MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Description, D=Depl intration, D=Depl ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral fucky Peat or Peat (LR cky Peat or Peat (LR	eeded to eeded to elatrix, CS=C	docum Covered/ %	Color (I Coated Sand (I Coated Sand (I Color (I Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) Moist) Mot presen edox Matrix lucky Mineralleyed Matrix Matrix ark Surface Dark Surface poressions	monfirm the story of the story	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S ain in Remarks)	C Soils ¹ LRR F, G, H) DIS (LRR H, outisde MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Descrintration, D=Depl ic 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 S3 - 5 cm Mu S4 - Sandy G	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral fucky Peat or Peat (LR cky Peat or Peat (LR	eeded to eeded to elatrix, CS=C	docum Covered/ %	cators are r S5 - Sandy R S6 - Stripped F1 - Loamy G F2 - Loamy G F6 - Redox D F7 - Depleted F8 - Redox D F7 - High Pla	Moist) Moist) Moist) Mot presen edox Matrix Jucky Mineral Eleyed Matrix Matrix Matrix Arrk Surface Dark Surface	monfirm the story of the story	e absence of in ore Lining, M=Matri	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc F12 - Red F TF12 - Very Other (Explainless disturbed)	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Prairie Material Prairie Material Shallow Dark S Ain in Remarks)	C Soils ¹ LRR F, G, H) DIS (LRR H, outisde MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Descrintration, D=Depl ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S3 - 5 cm Mu S4 - Sandy G	hydrology indicate be to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ucky Mineral fucky Peat or Peat (LR cky Peat or Peat (LR	eeded to eeded to elatrix, CS=C	docum Covered/ %	Color (I Coated Sand (I Coated Sand (I Color (I Color (I S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Moist) Moist) Moist) Mot presen edox Matrix Jucky Mineral Eleyed Matrix Matrix Matrix Arrk Surface Dark Surface	monfirm the story of the story	e absence of in ore Lining, M=Matri es Type	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc F12 - Red F TF12 - Very Other (Explainless disturbed)	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Prairie Material Prairie Material Shallow Dark S Ain in Remarks)	C Soils ¹ LRR F, G, H) DIS (LRR H, outisde MLRA 72, 73) Surface
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No wetland iption (Descriptration, D=Depl ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Strattfied A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G Type:	hydrology indicate the to the depth ne etion, RM=Reduced M Matrix Color (Moist) Indicators (ch ipedon stic n sulfide Layers (LRR F) ck (LRR FGH) dd Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LR leyed Matrix	eeded to eeded to elatrix, CS=C	docum Covered/ %	color (I Color	cator or co Grains; Loca Moist) Moist) not presen edox Matrix lucky Mineralieleyed Matrix Matrix ark Surface Dark Surface pressions ains Depres	monfirm the filter than the fi	e absence of in ore Lining, M=Matrices Type RA 72, 73 of LRR	Location Location	Indicators 1 A9 - 1 cm M A16 - Cost F F 7 - Dark S F 16 - High F F 18 - Reduc T F 12 - Very Other (Expla	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression	C Soils ¹ LRR F, G, H) DIS (LRR H, outisde MLRA 72, 73) Surface

WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-159n49w23-b1			
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:(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. $0 x 2 = 0$			
	_		_		FAC spp. $0 x 3 = 0$			
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 120 x 4 = 480			
1.	·				UPL spp. 0 x 5 = 0			
2.								
3.					Total 120 (A) 480 (B)			
4.					··			
5.					Prevalence Index = B/A = 4.000			
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 *			
	. o.a. oo.o		_		Morphological Adaptations (Explain) *			
Herh Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *			
1.	Trifolium hybridum	40	Υ	FACU	Troblem Hydrophydd Yegelation (Explain)			
2.	Trifolium repens	40	· Y	FACU	* Indicators of hydric soil and wetland hydrology must be			
3.	Poa pratensis	20	N .	FACU	present, unless disturbed or problematic.			
4.	Ambrosia artemisiifolia	15	N	FACU	Definitions of Vegetation Strata:			
5.	Elymus repens	5	N	FACU	Definitions of Vegetation offata.			
6	Ziyinda repens		IN	1700	Tree			
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.			
8.					, , , , , , , , , , , , , , , , , , ,			
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.			
10.				-	Sapining/Siriub - 11000) Planto 1000 than 5 mil. 25 m, 10gardinos of norgini.			
11.					Herb - All herbaceous (non-woody) plants, regardless of size.			
12.					Hern - All herbaceous (horr-woody) plants, regardless of size.			
13.				_				
14.					Was d. Vissas All woody vinos regardless of height			
15.					Woody Vines - All woody vines, regardless of height.			
	Total Cover =	120	_					
	ratum (Plot size: 30 ft. radius)							
1.								
2.								
3.					Hydrophytic Vegetation Present? N			
5.								
4.				_				
	Total Cover =	0						
Remarks:	The site is dominated by clover species and l	Kentucky b	luegrass.					
Additional R	demarks:							
]								