## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/30/14		
Applicant:		Enbridge								County:	Kittson		
Investigators	nvestigators: BEH/BCS				Subregion	n (MLRA	or LRR):	MLRA 56		State:	MN		
Soil Unit:	1248A					NWI	Classification						
Landform:	Rise			 Lo	cal Relief:	VL				Sample Point:	u-160n50w10-d6		
Slope (%):	0 - 2%		Latitude: 48.6		Longitude:		3867370	Datum:		1			
		nditions on the site						□Yes	☑ No	Section:			
Are Vegetation		☐ or Hydrology		y disturbed?	x1 1 (II 110, 0A)		normal circun			Township:			
Are Vegetation		or Hydrology				7410	☑ Yes	□No	Cociit:		Dir:		
			Liturally pi	obiematic?			<u> </u>			Range:	DII:		
SUMMARY C													
Hydrophytic '			No						Is Present?				
Wetland Hyd	drology Prese	nt?	No					Is This Sa	mpling Poin	nt Within A W	etland? <b>No</b>		
Remarks: The site is an upland area surrounded by wetland. The vegetation is dominated by quack grass, switchgrass, and alsike clover. Heavy rains have affected the													
region in recent weeks.													
HYDROLOG	Υ												
Wetland Hy	drology Ind	icators (Check all	that apply: N	linimum of on	o primary	or two co	oondary roqui	rod):					
Primary		icators (Check all	triat apply, i	illillillidill Ol Ol	e primary	or two se	condary requi	ieu).	Secondary:				
	A1 - Surface '	Nater	B11 - Salt (	Crust		B6 - Surface S	oil Cracks						
I	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface		
	A3 - Saturation				C1 - Hydro					B10 - Drainage Patterns			
	B1 - Water M	arks								C3 - Oxidized Rhizospheres on Living Roots (tilled)			
	B2 - Sedimen						pheres on Living	Roots (not till		C8 - Crayfish E			
	B3 - Drift Dep				C4 - Prese						Visible on Aerial Imagery		
	B4 - Algal Ma				C7 - Thin N		ce			D2 - Geomorp			
	B5 - Iron Dep	osits In Visible on Aerial Im		Ц	Other (Exp	iain)				D5 - FAC-Neut	trai i est aved Hummocks (LRR F)		
	B9 - Water-S		iagei y							D7 - FIOSI-Hea	aved nullillocks (LRR F)		
	Do Water o	diriod Ecaveo											
Field Observ	vatione:												
		V	D		(im. )								
Surface Wat		_	<b>Дер</b> т	h:	(in.)			Wetland F	lydrology I	Present?	N		
Water Table		Yes 🔲		h:									
Saturation P	resent?	Yes $\square$	Dept	h:	(in.)								
Describe Rec	orded Data (s	stream gauge, moni	itoring well, a	erial photos, pr	evious insp	ections), i	if available:						
Describe Rec		stream gauge, moni				pections), i	if available:						
						pections), i	if available:						
						pections), i	if available:						
Remarks:	No primary		ological indic	ators were ob	served.			ndicators.)					
Remarks:  SOILS Profile Descri	No primary	or secondary hydro	cological indic	ators were ob ument the indi	eserved.	onfirm the	e absence of ir						
Remarks:  SOILS Profile Descri	No primary	or secondary hydro	cological indic	ators were ob ument the indi	eserved.	onfirm the	e absence of ir						
Remarks:  SOILS Profile Descri	No primary	or secondary hydro	cological indic	ators were ob ument the indi	eserved.	onfirm the	e absence of ir ore Lining, M=Mati						
Remarks:  SOILS Profile Descri	No primary	or secondary hydro be to the depth ne etion, RM=Reduced Ma	cological indic	ators were ob ument the indi	cator or co	onfirm the	e absence of ir ore Lining, M=Mati		Texture		Remarks		
Remarks:  SOILS Profile Descri (Type: C=Concer	No primary	or secondary hydro be to the depth ne etion, RM=Reduced Ma Matrix	eeded to doci atrix, CS=Cover	ators were obtained the indicated Sand Coaled Sand Color (	cator or co	onfirm the	e absence of ir ore Lining, M=Matr	ix)	Texture C		Remarks		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1	eeded to doct atrix, CS=Cover	ators were obtained the indicated Sand  Color (	cator or co Grains; Local Moist)	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr es Type	Location			Remarks		
Remarks:  SOILS Profile Descri (Type: C=Concer	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to docu	ators were obtained the indicated Sand Coaled Sand Color (	cator or co Grains; Local Moist)	onfirm the	e absence of ir ore Lining, M=Matr	ix)	С		Remarks		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1	eeded to doct atrix, CS=Cover	ators were obtained the indicated Sand  Color (	cator or co Grains; Local Moist)	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr es Type	Location	С		Remarks		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1	eeded to doct atrix, CS=Cover	ators were obtained the indicated Sand  Color (	cator or co Grains; Local Moist)	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr es Type	Location	С		Remarks		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14	No primary iption (Descr	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1	eeded to doct atrix, CS=Cover	ators were obtained the indicated Sand  Color (	cator or co Grains; Local Moist)	onfirm the tion: PL=Po Mottle	e absence of in ore Lining, M=Matr es Type	Location	С		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21	No primary iption (Description, D=Depi	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1	eeded to doci atrix, CS=Cover	ment the indied/Coated Sand  Color (  Hue_7.5YR	cator or cc Grains; Local Moist)	onfirm thetion: PL=Po	e absence of ir ore Lining, M=Matr es Type C	Location	С		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21	No primary iption (Descr	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1	eeded to doci atrix, CS=Cover	ators were obtained the indicated Sand  Color (	cator or cc Grains; Local Moist)	onfirm thetion: PL=Po	e absence of in ore Lining, M=Matr es Type	Location	C				
Remarks: SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21	No primary iption (Description, D=Depl Hue_10YR Hue_2.5Y	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1	eeded to doct atrix, CS=Cover   // 100 97  neck here if in	ment the indied/Coated Sand  Color ( )  Hue_7.5YR	cator or co Grains; Local Moist)	onfirm thetion: PL=Po	e absence of ir ore Lining, M=Matr es Type C	Location M	C C	for Problematic			
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary iption (Description, D=Depl Hue_10YR Hue_2.5Y	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist) 2/1 2.5/1 Indicators (ch	eeded to docu eatrix, CS=Cover % 100 97	ment the indied/Coated Sand  Color ( )  Hue_7.5YR  dicators are i	cator or co Grains; Local Moist)  4/4  anot presen	onfirm thetion: PL=Po	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators 1 A9 - 1 cm M	luck (LRR I, J)	c Soils <sup>1</sup>		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary iption (Description, D=Depl Hue_10YR Hue_2.5Y  ric Soil Field  A1- Histosol A2 - Histic Ep	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist) 2/1 2.5/1 Indicators (ch	eeded to docu	ment the indicators were obtained.  Color (  Hue_7.5YR  dicators are i	cator or co Grains; Local Moist)  4/4  not presen edox Matrix	Mottle % 3	e absence of ir ore Lining, M=Matr es Type C	Location	Indicators f A9 - 1 cm M A16 - Cost F	luck (LRR I, J) Prairie Redox (L	c Soils <sup>1</sup>		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description (Description)  Hue 10YR  Hue 2.5Y  A1- Histosol  A2 - Histic Ep  A3 - Black History	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1  Indicators (ch	eeded to doctoring to decide the doctoring to decide the doctoring to decide the decide	ment the indicators were obtained/Coated Sand  Color (  Hue_7.5YR  dicators are it  S5 - Sandy R  S6 - Stripped F1 - Loamy N	cator or cc Grains; Local  Moist)  4/4  anot presen  edox Matrix Mucky Minera	monfirm thetion: PL=Po  Mottle  %  3  3  tt):	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S6	luck (LRR I, J) Prairie Redox (L urface (LRR G)	<del>: Soils<sup>1</sup></del> RR F, G, H)		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description, D=Depl  Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	be to the depth ne etion, RM=Reduced Matrix Color (Moist) 2/1 2.5/1 Indicators (ch	eeded to doct atrix, CS=Cover	ment the indied/Coated Sand  Color (  Hue_7.5YR  dicators are i	cator or co Grains; Local  Moist)  4/4  anot presen  edox Matrix flucky Minera  elleyed Matrix	monfirm thetion: PL=Po  Mottle  %  3  3  tt):	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators f A9 - 1 cm M F - Cost F S7 - Dark St F 16 - High F	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressio	c Soils <sup>1</sup>		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description, D=Depl  Hue_10YR  Hue_2.5Y  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  2.5/1  Indicators (ch	eeded to docu	ment the indied/Coated Sand  Color (  Hue_7.5YR  dicators are i  \$5 - Sandy R  \$6 - Stripped N  F2 - Loamy C  F3 - Depleted	cator or co Grains; Local Moist)  4/4  4/4  not presen edox Matrix Mucky Minera Eleyed Matrix I Matrix	Mottle  Mottle  w  tt):	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S0 F16 - High F F18 - Reduc	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressioned Vertic	<del>: Soils<sup>1</sup></del> RR F, G, H)		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description, D=Depl  Hue_10YR Hue_2.5Y  iric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  2.5/1  Indicators (ch	eeded to docu eatrix, CS=Cover % 100 97	ment the indied/Coated Sand  Color (  Hue_7.5YR  dicators are I  S5 - Sandy R  S6 - Stripped F1 - Loamy N  F2 - Loamy O  F3 - Depleted F6 - Redox D	cator or co Grains; Local Moist)  4/4  4/4  not presen edox Matrix lucky Minera Sleyed Matrix ark Surface	Mottle % 3 tt):	e absence of ir ore Lining, M=Matr es Type C	Location	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S1 F16 - High F F18 - Reduc	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Parent Material	S SOIIS 1  RR F, G, H)  ONS (LRR H, outisde MLRA 72, 73)		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description, D=Depl  Hue_10YR Hue_2.5Y  iric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1  Indicators (chaipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	eeded to doctoring to decide the doctoring to decide the doctoring to decide the decide	ment the indied/Coated Sand  Color (  Hue_7.5YR  dicators are i  \$5 - Sandy R  \$6 - Stripped N  F2 - Loamy C  F3 - Depleted	cator or cc Grains; Local  Moist)  4/4  4/4  not presen  edox Matrix Mucky Minera Sleyed Matrix I Matrix ark Surface I Dark Surface	Mottle % 3 tt):	e absence of ir ore Lining, M=Matr es Type C	Location M	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S0 F16 - High F F16 - Red P TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressioned Vertic	S SOIIS 1  RR F, G, H)  ONS (LRR H, outisde MLRA 72, 73)		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description) (Descriptio	be to the depth ne etion, RM=Reduced Me  Matrix Color (Moist)  2/1  2.5/1  Indicators (ch	eeded to doci	ment the indicators are in the indicators are indicators are included and incl	cator or co Grains; Local  Moist)  4/4  not presen  edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface I Dark Surface epressions	Mottle % 3 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	e absence of ir ore Lining, M=Matr es Type C	Location  M	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S0 F16 - High F F16 - Red P TF2 - Red F TF12 - Very	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ped Vertic Parent Material Shallow Dark S	S SOIIS 1  RR F, G, H)  ONS (LRR H, outisde MLRA 72, 73)		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Descr ntration, D=Depl  Hue 10YR  Hue 2.5Y  Hue 2.5Y  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	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1  Indicators (chaipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface lucky Mineral lucky Peat or Peat (LI	eeded to doctoring to detect to doctoring the second the second to doctoring t	ment the indicators are in the indicators are indicators.	cator or co Grains; Local  Moist)  4/4  not presen  edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface I Dark Surface epressions	Mottle % 3 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	e absence of ir ore Lining, M=Matr es Type C	Location  M	Indicators 1 A9 - 1 cm M A16 - Cost F 37 - Dark Si F16 - High F 18 - Reduc 1 TF2 - Red F 1 TF12 - Very 1 Other (Explain	duck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Led Vertic Parent Material Shallow Dark S ain in Remarks)	E Soils <sup>1</sup> RR F, G, H)  ONS (LRR H, outisde MLRA 72, 73)  Surface		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description) (Descriptio	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1  Indicators (chairpedon stic on Sulfide Layers (LRR F) ot (LRR FGH) d Below Dark Surface ark Surface ucky Mineral Lucky Peat or Peat (LRK) Peat Or Peat	eeded to doctoring to detect to doctoring the second the second to doctoring t	ment the indicators are in the indicators are indicators.	cator or co Grains; Local  Moist)  4/4  not presen  edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface I Dark Surface epressions	Mottle % 3 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	e absence of ir ore Lining, M=Matr es Type C	Location  M	Indicators f A9 - 1 cost F S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	duck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressic ed Vertic Parent Material Shallow Dark S ain in Remarks)	S SOIIS 1  RR F, G, H)  ONS (LRR H, outisde MLRA 72, 73)		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Descr ntration, D=Depl  Hue 10YR  Hue 2.5Y  Hue 2.5Y  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	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1  Indicators (chairpedon stic on Sulfide Layers (LRR F) ot (LRR FGH) d Below Dark Surface ark Surface ucky Mineral Lucky Peat or Peat (LRK) Peat Or Peat	eeded to doctoring to detect to doctoring the second the second to doctoring t	ment the indicators are in the indicators are indicators.	cator or co Grains; Local  Moist)  4/4  not presen  edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface I Dark Surface epressions	Mottle % 3 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	e absence of ir ore Lining, M=Matr es Type C	Location  M	Indicators f A9 - 1 cost F S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	duck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Led Vertic Parent Material Shallow Dark S ain in Remarks)	E Soils <sup>1</sup> RR F, G, H)  ONS (LRR H, outisde MLRA 72, 73)  Surface		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description) (Descriptio	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1  Indicators (chairpedon stic on Sulfide Layers (LRR F) ot (LRR FGH) d Below Dark Surface ark Surface ucky Mineral Lucky Peat or Peat (LRK) Peat Or Peat	eeded to doctoring to detect to doctoring the second the second to doctoring t	ment the indicators are in the indicators are indicators.	cator or co Grains; Local  Moist)  4/4  not presen  edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface I Dark Surface epressions	Mottle % 3 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	e absence of ir ore Lining, M=Matr es Type C	Location  M	Indicators f A9 - 1 cost F S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	duck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressic ed Vertic Parent Material Shallow Dark S ain in Remarks)	E Soils <sup>1</sup> RR F, G, H)  ONS (LRR H, outisde MLRA 72, 73)  Surface		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Description (Description) (Description	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1  Indicators (chairpedon Sticen Sulfide Layers (LRR F) de Below Dark Surface ark Surface ark Surface ulcky Mineral lucky Peat or Peat (LRF leyed Matrix	eeded to doctoring to detect to doctoring the second the second to doctoring t	ment the indicators are in the indicators are indicators.	Moist)  Moist)  4/4  Autin Matrix Mucky Minera Sleyed Matrix Matr	Mottle % 3 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	e absence of ir ore Lining, M=Matr es Type C	Location  M	Indicators 1 A9 - 1 cm M A16 - Cost F S7 - Dark S0 F16 - High F F16 - Hed F TF12 - Very Other (Expla	duck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressic ed Vertic Parent Material Shallow Dark S ain in Remarks)	E Soils <sup>1</sup> RR F, G, H)  ONS (LRR H, outisde MLRA 72, 73)  Surface		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-14 14-21  NRCS Hydr	No primary  iption (Descritation, D=Depl  Hue_10YR Hue_2.5Y  Hue_2.5Y  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  r Type:	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  2/1  2.5/1  Indicators (chairpedon Sticen Sulfide Layers (LRR F) de Below Dark Surface ark Surface ark Surface ulcky Mineral lucky Peat or Peat (LRF leyed Matrix	eeded to doct eeded to doct atrix, CS=Cover    %	ators were obtained.  Iment the indicators are in the indicators are indicators.	cator or co Grains; Local Moist)  4/4  anot presen  edox Matrix Matrix Matrix I Matrix ark Surface I Dark Surface epressions ains Depres	Mottle  Mottle  Mottle  Mottle  Mottle	e absence of irrore Lining, M=Matrices  Type  C  PARA 72, 73 of LRF	Location  M  RH)	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 Parent Material Shallow Dark S ain in Remarks) Inversely to the company of	E Soils <sup>1</sup> RR F, G, H)  ONS (LRR H, outlade MLRA 72, 73)  Burface  ion and wetland hydrology must be preser		

## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-160n50w10-d6					
•					•					
VEGETATION (Species identified in all uppercase are non-native species.)  Tree Stratum (Plot size: 30 ft. radius)										
Tree Stratum (	Species Name	% Cover	Dominant	Ind.Status	Dominance Test Worksheet					
1.	Species Name	76 COVEL	Dominant	iiiu.Status	Dominance rest Worksheet					
2.					Number of Dominant Species that are OBL, FACW, or FAC: (A)					
3.					Number of Dominant Species that are OBL, FACW, or FAC:(A)					
					Total Number of Descinant Opening Assess All Obstance (D)					
4.					Total Number of Dominant Species Across All Strata: (B)					
5.										
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (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. 15 x 3 = 45					
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 65 x 4 = 260					
1.					UPL spp. 0 x 5 = 0					
2.					··· <del></del>					
3.					Total 85 (A) 315 (B)					
4.					. 5.5.1					
5.					Prevalence Index = B/A = 3.706					
6.					Prevalence index = b/A = 3.700					
	_									
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 (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *					
1.	Elymus repens	35	Υ	FACU						
2.	Panicum virgatum	15	Υ	FAC	* Indicators of hydric soil and wetland hydrology must be					
3.	Trifolium hybridum	15	Υ	FACU	present, unless disturbed or problematic.					
4.	Cirsium arvense	5	N	FACU	Definitions of Vegetation Strata:					
5.	Ambrosia artemisiifolia	5	N	FACU	- commission of rogonalism					
6	Phalaris arundinacea	5	N	FACW	Tree • · · · · · · · · · · · · · · · · · ·					
7.	Vicia americana	5	N	FACU	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.					
	vicia americana	5	IN	FACU	. 5 · (					
8.				_	Continue (Charaba - Woody plants loss than 2 in DRH - regardless of height					
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.										
14.										
15.					Woody Vines - All woody vines, regardless of height.					
	Total Cover =	85								
			_							
Woody Vine Str	ratum (Plot size: 30 ft. radius)									
1.	,									
2.										
3.					Hydrophytic Vegetation Present? N					
5.					Tryurophytic vegetation Flesent:					
4.	T-1-10	^		_						
Damartir	Total Cover =	0	m4. la		sta of valued forths are also present					
Remarks:	Quack grass and switchgrass dominate the s	sample poi	nt; iesser	componer	nts of mixed forbs are also present.					
Additional Remarks:										