## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:												
1 10,00000116.		L3R								Date:	09/26/14	
Applicant:	<u> </u>	Enbridge								County:	Pennington	
Investigators		BJC/RAJ			Subregic	`	A or LRR):	MLRA 56		State:	MN	
Soil Unit:	169A						I Classification:					
Landform:	Depression				Local Relief					Sample Point	w-153n44w3-g1	
Slope (%):	0 - 2%		_atitude: 48			-96.289		Datum:				
		nditions on the site			-				□ No	Section:		
Are Vegetation		□, or Hydrology □	•	•		Are	e normal circum	istances pre	esent?	Township:		
Are Vegetation		, ,	⊐aturally r	roblematic	?		Yes	□ No		Range:	Dir:	
SUMMARY C	OF FINDINGS											
	Vegetation Pr		Yes	5					ls Present?			
Wetland Hyd	rology Presei		Yes							nt Within A W		
Remarks:	The wetland	is a fresh wet mea	dow domi	nated by re	ed canary gra	ass and c	ommon beaked	l sedge. It is	s located in	a large depre	ession with Shrub-Carr and	
	hardwood sv	wamp components.										
<b>HYDROLOG</b>	Υ											
Wetland Hy	drology Indi	cators (Check all th	hat apply:	Minimum o	f one primary	or two s	econdary requir	ed):				
Primary		outors (orrook air ti	iat apply,	iviii iii ii diiii O	r one primary	01 (110 0	coordary roquii	<i>ca)</i> :	Secondary	:		
	A1 - Surface V	Vater			□ B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wat	er Table			□ B13 - Aqu	atic Fauna	l				Vegetated Concave Surface	
	A3 - Saturation					ogen Sulfic				B10 - Drainage		
	B1 - Water Ma					Season Wa		Daata (aat till			Rhizospheres on Living Roots (tille	ed)
	B2 - Sediment B3 - Drift Depo	•					spheres on Living educed Iron	Roots (not till	·	C8 - Crayfish I	Burrows n Visible on Aerial Imagery	
	B4 - Algal Mat					Muck Surfa			□	D2 - Geomorp	<b>5</b> ,	
	B5 - Iron Depo				□ Other (Ex				☑	D5 - FAC-Neu		
	B7 - Inundation	ก Visible on Aerial Imag	gery		` .	,				D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-Sta	ained Leaves										
Field Obser	vations:											
Surface Wat	er Present?	Yes □	De	oth:	(in.)			Wetland H	lydrology	Drocont?	Υ	
								vvetianu r	ivaioidav	rieseiit!	I	
Water Table	Present?	Yes □	De	oth:	(in.)				.,			
		Yes □ Yes □	De De		(in.) (in.)				., a e.e.g,		_	
Water Table Saturation P	esent?	Yes	De	oth:	(in.)	pections).	if available:					
Water Table Saturation Properties of the Control of	resent? orded Data (s	Yes □ tream gauge, monito	De oring well, a	oth: aerial photos	(in.)	pections),	if available:					
Water Table Saturation P	resent? orded Data (s	Yes	De oring well, a	oth: aerial photos	(in.)	pections),	if available:					
Water Table Saturation Properties of the Control of	resent? orded Data (s	Yes □ tream gauge, monito	De oring well, a	oth: aerial photos	(in.)	pections),	if available:		.,			
Water Table Saturation Profile Records Remarks:  SOILS Profile Descri	resent? orded Data (s Indicators of ption (Descri	tream gauge, monito wetland hydrology oe to the depth need	oring well, a are prese	oth:  aerial photos  nt.  cument the	(in.)	onfirm th	e absence of in	dicators.)	.,			
Water Table Saturation Profile Records Remarks:  SOILS Profile Descri	resent? orded Data (s Indicators of ption (Descri	Yes □ tream gauge, monito wetland hydrology	oring well, a are prese	oth:  aerial photos  nt.  cument the	(in.)	onfirm th	e absence of in	dicators.)				
Water Table Saturation Profile Records Remarks:  SOILS Profile Descri	resent? orded Data (s Indicators of ption (Descri	tream gauge, moniton  wetland hydrology  oe to the depth needetion, RM=Reduced Matri	oring well, a are prese	oth:  aerial photos  nt.  cument the	(in.)	onfirm th	e absence of in ore Lining, M=Matri	dicators.)				
Water Table Saturation Profile Remarks:  SOILS Profile Descrit (Type: C=Concer	resent? orded Data (s Indicators of ption (Describ	tream gauge, moniton wetland hydrology oe to the depth needstion, RM=Reduced Matrix	oring well, a are prese ded to doo rix, CS=Cove	oth:aerial photos nt. cument the ered/Coated S	(in.) s, previous ins indicator or c and Grains; Loca	onfirm th ation: PL=P Mottle	e absence of in ore Lining, M=Matri	dicators.)				
Water Table Saturation Profile Remarks:  SOILS Profile Descri (Type: C=Concert  Depth (In.)	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monito wetland hydrology  oe to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)	oring well, a are presented to doorix, CS=Cover	oth:aerial photos nt. cument the ered/Coated S	(in.)	onfirm th	e absence of in ore Lining, M=Matri	dicators.)	Texture		Remarks	
Water Table Saturation Profile Remarks:  SOILS Profile Descrit (Type: C=Concer	resent? orded Data (s Indicators of ption (Describ	tream gauge, moniton wetland hydrology oe to the depth needstion, RM=Reduced Matrix	oring well, a are presented to doorix, CS=Cover	oth:aerial photos nt. cument the ered/Coated S	(in.) s, previous ins indicator or c and Grains; Loca	onfirm th ation: PL=P Mottle	e absence of in ore Lining, M=Matri	dicators.)		Loamy mineral co		
Water Table Saturation Profile Remarks:  SOILS Profile Descri (Type: C=Concert  Depth (In.)	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monito wetland hydrology  oe to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)	oring well, a are presented to doorix, CS=Cover	oth:aerial photos nt. cument the ered/Coated S	(in.) s, previous ins indicator or c and Grains; Loca	onfirm th ation: PL=P Mottle	e absence of in ore Lining, M=Matri	dicators.)	Texture			
Water Table Saturation Profile Remarks:  SOILS Profile Descri (Type: C=Concert  Depth (In.)	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monito wetland hydrology  oe to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)	oring well, a are presented to doorix, CS=Cover	oth:aerial photos nt. cument the ered/Coated S	(in.) s, previous ins indicator or c and Grains; Loca	onfirm th ation: PL=P Mottle	e absence of in ore Lining, M=Matri	dicators.)	Texture			
Water Table Saturation Profile Remarks:  SOILS Profile Descri (Type: C=Concert  Depth (In.)	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monito wetland hydrology  oe to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)	oring well, a are presented to doorix, CS=Cover	oth:aerial photos nt. cument the ered/Coated S	(in.) s, previous ins indicator or c and Grains; Loca	onfirm th ation: PL=P Mottle	e absence of in ore Lining, M=Matri	dicators.)	Texture			
Water Table Saturation Profile Remarks:  SOILS Profile Descri (Type: C=Concert  Depth (In.)	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monito wetland hydrology  oe to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)	oring well, a are presented to doorix, CS=Cover	oth:  nerial photos  nt.  cument the ered/Coated Serial	(in.) s, previous ins indicator or c and Grains; Loca	onfirm th ation: PL=P Mottle	e absence of in ore Lining, M=Matri	dicators.)	Texture			
Water Table Saturation Profile Remarks:  SOILS Profile Descri (Type: C=Concert  Depth (In.)	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monito wetland hydrology  oe to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)	oring well, a are presented to doorix, CS=Cover	oth:  nerial photos  nt.  cument the ered/Coated Serial	(in.) s, previous ins indicator or c and Grains; Loca	onfirm th ation: PL=P Mottle	e absence of in ore Lining, M=Matri	dicators.)	Texture			
Water Table Saturation Properties  Remarks:  SOILS Profile Descrit (Type: C=Concert  Depth (In.) 0-18	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monitor wetland hydrology  oe to the depth need to the Matrix  Matrix  Color (Moist)  2/1	oring well, a are presented to doorix, CS=Cover	oth:  nerial photos nt.  cument the ered/Coated Sered/Coated Sered/Coa	indicator or cand Grains; Loca	onfirm the ation: PL=P	e absence of in ore Lining, M=Matri	dicators.)	Texture			
Water Table Saturation Properties  Remarks:  SOILS Profile Descrit (Type: C=Concert  Depth (In.) 0-18	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monitor wetland hydrology  oe to the depth need to the Matrix  Matrix  Color (Moist)  2/1	oring well, a are presented to doorix, CS=Cover	oth:  nerial photos nt.  cument the ered/Coated Sered/Coated Sered/Coa	(in.) s, previous ins indicator or c and Grains; Loca	onfirm the ation: PL=P	e absence of infore Lining, M=Matri	dicators.)	Texture		omponent	
Water Table Saturation Properties  Remarks:  SOILS Profile Descrit (Type: C=Concert  Depth (In.) 0-18	resent? orded Data (s Indicators of ption (Description, D=Deple	tream gauge, monitor wetland hydrology  oe to the depth need to the Matrix  Matrix  Color (Moist)  2/1	oring well, a are presented to doorix, CS=Cover	oth:  aerial photos  nt.  cument the ered/Coated Serial Serial photos  for College Serial Serial Serial Serial photos  for College Serial Seri	indicator or cand Grains; Loca	onfirm the ation: PL=P	e absence of infore Lining, M=Matri	dicators.) x) Location	Texture MMI	Loamy mineral co	omponent	
Water Table Saturation Processing Remarks:  SOILS Profile Descrit (Type: C=Concert)  Depth (In.) 0-18  NRCS Hydr	resent? orded Data (s Indicators of ption (Describeration, D=Depletation) Hue_10YR  ic Soil Field  A1- Histosol A2 - Histic Epi	tream gauge, monito wetland hydrology  be to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  Indicators (checkled)	oring well, a are presented to doorix, CS=Cover	oth:  aerial photos nt.  cument the ered/Coated S  Col 00  indicators a  S5 - San S6 - Strip	indicator or cand Grains; Localor (Moist)  are not preser dy Redox oped Matrix	onfirm the ation: PL=P  Mottle %  nt):	e absence of infore Lining, M=Matri	dicators.)  x)  Location	Indicators A9 - 1 cm MA16 - Coast	Loamy mineral co	c Soils <sup>1</sup>	
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.) 0-18  NRCS Hydr	resent? orded Data (s Indicators of ption (Describeration, D=Depletation) Hue_10YR  ic Soil Field  A1- Histosol A2 - Histic Epi A3 - Black His	tream gauge, monitor wetland hydrology  be to the depth need to th	oring well, a are presented to doorix, CS=Cover	oth:  aerial photos  nt.  cument the ered/Coated S  color  indicators a  S5 - San S6 - Strip F1 - Loar	indicator or cand Grains; Local or (Moist)  are not preser dy Redox oped Matrix my Mucky Mine	onfirm the ation: PL=P  Mottle %  nt):	e absence of infore Lining, M=Matri	dicators.)  x)  Location	Indicators A9 - 1 cm N A16 - Coast S7 - Dark S	for Problemation  Loamy mineral control  Muck (LRR I, J)  The Prairie Redox of the property of the problemation of the problem	c Soils <sup>1</sup> (LRR F, G, H)	
Water Table Saturation Properties Remarks:  SOILS Profile Descrit (Type: C=Concert)  Depth (In.) 0-18  NRCS Hydr	resent? orded Data (s Indicators of ption (Describeration, D=Depletation) Hue_10YR  ic Soil Field  A1- Histosol A2 - Histic Epi A3 - Black His A4 - Hydrogen	tream gauge, monitor wetland hydrology  be to the depth need to th	oring well, a are presented to doorix, CS=Cover	indicators a  S5 - San  S6 - Strip  F1 - Loar  F2 - Loar	indicator or cand Grains; Local or (Moist)  are not preser dy Redox oped Matrix my Mucky Mine my Gleyed Matrix	onfirm the ation: PL=P  Mottle %  nt):	e absence of infore Lining, M=Matri	dicators.) x)  Location	Indicators A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F	for Problemation  Muck (LRR I, J)  Prairie Redox ourface (LRR G)  Plains Depression	c Soils <sup>1</sup>	
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.)  0-18  NRCS Hydre	resent? orded Data (s Indicators of ption (Describeration, D=Depletation) Hue_10YR  ic Soil Field  A1- Histosol A2 - Histic Epi A3 - Black His A4 - Hydrogen A5 - Stratified	tream gauge, monito wetland hydrology  be to the depth need tion, RM=Reduced Matrix  Color (Moist)  2/1  Indicators (check pedon tich Sulfide Layers (LRR F)	oring well, a are presented to doorix, CS=Cover	indicators a  S5 - San S6 - Strip F1 - Loar F2 - Loar F3 - Dep	indicator or cand Grains; Loca  or (Moist)  are not preser  dy Redox  pped Matrix  my Mucky Mine  my Gleyed Matri  leted Matrix	onfirm the ation: PL=P  Mottle %  nt):	e absence of infore Lining, M=Matri	dicators.) x)  Location	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	for Problemation  Muck (LRR I, J)  Prairie Redox ourface (LRR G)  Plains Depression  ced Vertic	c Soils <sup>1</sup> (LRR F, G, H)	
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.) 0-18  NRCS Hydr	resent? orded Data (s Indicators of ption (Describeration, D=Depletation) Hue_10YR  Hue_10YR  A1- Histosol A2 - Histic Epi A3 - Black His A4 - Hydrogen A5 - Stratified A9 - 1 cm Muc	tream gauge, monitor wetland hydrology  be to the depth need of th	oring well, a are presented to doorix, CS=Cover	indicators a  S5 - San  S6 - Strip  F1 - Loar  F2 - Loar  F3 - Dep  F6 - Red	indicator or cand Grains; Local or (Moist)  are not preser dy Redox oped Matrix my Mucky Mine my Gleyed Matrix ox Dark Surface	onfirm the ation: PL=P  Mottle %  nt):  ral rix	e absence of infore Lining, M=Matri	dicators.) x)  Location	Indicators A9 - 1 cm MA16 - Coast S7 - Dark SF16 - High FF18 - Reduct TF2 - Red F	for Problemation  Muck (LRR I, J)  Prairie Redox of the properties of the problemation	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)	
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.)  0-18  NRCS Hydre	resent? orded Data (s Indicators of ption (Describeration, D=Depletation) Hue_10YR  Hue_10YR  A1- Histosol A2 - Histic Epi A3 - Black His A4 - Hydrogen A5 - Stratified A9 - 1 cm Muc	tream gauge, monito  wetland hydrology  be to the depth need to th	oring well, a are presented to doorix, CS=Cover	indicators a  S5 - San  S6 - Strip  F1 - Loar  F2 - Loar  F3 - Dep  F6 - Red  F7 - Dep	indicator or cand Grains; Loca  or (Moist)  are not preser  dy Redox  pped Matrix  my Mucky Mine  my Gleyed Matri  leted Matrix	onfirm theation: PL=P  Mottle %  nt):  ral rix e ace	e absence of infore Lining, M=Matri	dicators.) x)  Location	Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Red F TF2 - Red F TF12 - Very	for Problemation  Muck (LRR I, J)  Prairie Redox ourface (LRR G)  Plains Depression  ced Vertic	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)	
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.) 0-18  NRCS Hydr	resent? orded Data (sometime intration, Depleted intration, Depleted intration) ic Soil Field  A1- Histosol A2 - Histic Epit A3 - Black Hist A4 - Hydrogen A5 - Stratified A9 - 1 cm Muc A11 - Depleted A12 - Thick Da S1 - Sandy Mu	tream gauge, monito  wetland hydrology  be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  Indicators (check of Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface erk Surface lucky Mineral	oring well, a are presended to doorix, CS=Covered to doorix, CS=Co	indicators a  S5 - San  S6 - Strip  F1 - Loar  F2 - Loar  F3 - Dep  F6 - Red  F7 - Dep  F8 - Red	indicator or cand Grains; Loca  or (Moist)  are not preser  dy Redox  oped Matrix  my Mucky Mine  my Gleyed Matri  leted Matrix  ox Dark Surface  leted Dark Surface  leted Dark Surface  leted Dark Surface	onfirm theation: PL=P  Mottle %  nt):  ral rix e ace	e absence of infore Lining, M=Matri	dicators.) x)  Location	Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Red F TF2 - Red F TF12 - Very	for Problemation  Muck (LRR I, J)  Prairie Redox ourface (LRR G)  Plains Depression  Plains Depression  Parent Material  Shallow Dark S	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)	
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.) 0-18  NRCS Hydr	resent?  orded Data (some prion (Describeration, Dependent prion)  Intration, Dependent prion (Describeration, Dependent prion)  It Soil Field  A1- Histosol A2 - Histic Epin A3 - Black Histic A4 - Hydrogen A5 - Stratified A9 - 1 cm Muchand Prion A11 - Depleted A12 - Thick Date S1 - Sandy Muchand Prion S2 - 2.5 cm Michand Prion S2 - 2.5 cm Michand Prion Describeration  Intration (Describeration)  Intration (Describerati	tream gauge, monito  wetland hydrology  be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  Indicators (check pedon tic sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ark Surface ark y Mineral ucky Peat or Peat (LRI	ded to doorix, CS=Covering well, a are presented to doorix, CS=Covering to the covering to the	indicators a  S5 - San  S6 - Strip  F1 - Loar  F2 - Loar  F3 - Dep  F6 - Red  F7 - Dep  F8 - Red	indicator or cand Grains; Loca  or (Moist)  are not preser  dy Redox  oped Matrix  my Mucky Mine  my Gleyed Matri  leted Matrix  ox Dark Surface  leted Dark Surface  leted Dark Surface  leted Dark Surface	onfirm theation: PL=P  Mottle %  nt):  ral rix e ace	e absence of inore Lining, M=Matri	dicators.) x)  Location	Indicators of A9 - 1 cm MA16 - Coast S7 - Dark SF16 - High FF18 - Reduct TF2 - Red FTF12 - Very Other (Explain	Loamy mineral conformation of the problemation of the problemation of the problemation of the problemation of the problematic o	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.)  0-18  NRCS Hydre	resent?  orded Data (some prion (Describitation, Depleted prior)  ic Soil Field  A1- Histosol A2 - Histic Epit A3 - Black Hist A4 - Hydrogen A5 - Stratified A9 - 1 cm Muc A11 - Depleted A12 - Thick Da S1 - Sandy Mu S2 - 2.5 cm Mu S3 - 5 cm Muc	tream gauge, monito wetland hydrology  De to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  Indicators (check pedon tice a Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ark Surface ark Surface ark y Peat or Peat (LRI cky Peat or Peat or Peat (LRI cky Peat or Peat or Peat (LRI cky Peat or Peat or Peat or Pe	ded to doorix, CS=Covering well, a are presented to doorix, CS=Covering to the covering to the	indicators a  S5 - San  S6 - Strip  F1 - Loar  F2 - Loar  F3 - Dep  F6 - Red  F7 - Dep  F8 - Red	indicator or cand Grains; Loca  or (Moist)  are not preser  dy Redox  oped Matrix  my Mucky Mine  my Gleyed Matri  leted Matrix  ox Dark Surface  leted Dark Surface  leted Dark Surface  leted Dark Surface	onfirm theation: PL=P  Mottle %  nt):  ral rix e ace	e absence of inore Lining, M=Matri	dicators.) x)  Location	Indicators of In	Loamy mineral control of the control	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)	ent,
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.) 0-18  NRCS Hydr	resent?  orded Data (some prion (Describeration, Dependent prion)  Intration, Dependent prion (Describeration, Dependent prion)  It Soil Field  A1- Histosol A2 - Histic Epin A3 - Black Histic A4 - Hydrogen A5 - Stratified A9 - 1 cm Muchand Prion A11 - Depleted A12 - Thick Date S1 - Sandy Muchand Prion S2 - 2.5 cm Michand Prion S2 - 2.5 cm Michand Prion Describeration  Intration (Describeration)  Intration (Describerati	tream gauge, monito wetland hydrology  De to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  Indicators (check pedon tice a Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ark Surface ark Surface ark y Peat or Peat (LRI cky Peat or Peat or Peat (LRI cky Peat or Peat or Peat (LRI cky Peat or Peat or Peat or Pe	ded to doorix, CS=Covering well, a are presented to doorix, CS=Covering to the covering to the	indicators a  S5 - San  S6 - Strip  F1 - Loar  F2 - Loar  F3 - Dep  F6 - Red  F7 - Dep  F8 - Red	indicator or cand Grains; Loca  or (Moist)  are not preser  dy Redox  oped Matrix  my Mucky Mine  my Gleyed Matri  leted Matrix  ox Dark Surface  leted Dark Surface  leted Dark Surface  leted Dark Surface	onfirm theation: PL=P  Mottle %  nt):  ral rix e ace	e absence of inore Lining, M=Matri	dicators.) x)  Location	Indicators of In	Loamy mineral conformation of the problemation of the problemation of the problemation of the problemation of the problematic o	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	ent,
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.)  0-18  NRCS Hydre	resent? orded Data (sometime intration, Dependent i	tream gauge, monito wetland hydrology  De to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  Indicators (check pedon tice a Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ark Surface ark Surface ark y Peat or Peat (LRI cky Peat or Peat or Peat (LRI cky Peat or Peat or Peat (LRI cky Peat or Peat or Peat or Pe	ded to doorix, CS=Covering well, a are presented to doorix, CS=Covering to the covering to the	oth:aerial photos nt.  cument the ered/Coated S  Col OO indicators a  S5 - San S6 - Strip F1 - Loar F2 - Loar F2 - Loar F3 - Dep F6 - Red F7 - Dep F8 - Red F16 - Hig	indicator or cand Grains; Local or (Moist)  or (Moist)  are not preser dy Redox oped Matrix my Mucky Mine my Gleyed Matrix ox Dark Surface leted Dark Surface leted Dark Surface ox Depressions on Plains Depression Depression Plains Depression Depression Plains Depression Plains Depression Plains Depression P	onfirm theation: PL=P  Mottle %  nt):  ral rix e ace	e absence of inore Lining, M=Matri	dicators.) x)  Location	Indicators of In	Loamy mineral control of the control	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	ent,
Water Table Saturation Properties Records Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.)  0-18  NRCS Hydre	resent? orded Data (sometime intration, Dependent i	tream gauge, monito wetland hydrology  De to the depth need tion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  Indicators (check pedon tice a Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ark Surface ark Surface ark y Peat or Peat (LRI cky Peat or Peat or Peat (LRI cky Peat or Peat or Peat (LRI cky Peat or Peat or Peat or Pe	ded to doorix, CS=Covering well, a are presented to doorix, CS=Covering to the covering to the	oth:aerial photos nt.  cument the ered/Coated S  Col OO indicators a  S5 - San S6 - Strip F1 - Loar F2 - Loar F2 - Loar F3 - Dep F6 - Red F7 - Dep F8 - Red F16 - Hig	indicator or cand Grains; Loca  or (Moist)  are not preser  dy Redox  oped Matrix  my Mucky Mine  my Gleyed Matri  leted Matrix  ox Dark Surface  leted Dark Surface  leted Dark Surface  leted Dark Surface	onfirm theation: PL=P  Mottle %  nt):  ral rix e ace	e absence of in ore Lining, M=Matri	dicators.) x)  Location	Indicators of Annual Property of the Coast of Figure 1 and Figure 2. The Coast of Figure 3.	Loamy mineral control of the control	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	ent,

## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: w-153n44w3-g1
					•
<b>VEGETATION</b>		are non-native	species.)		
Tree Stratum (	Plot size: 30 ft. radius)				
	<u>Species Name</u>	<u>% Cover</u>	<u>Dominant</u>	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: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp60
	Total Cover	= 0	_		FACW spp40
					OBL spp. 60
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. $\underline{}$ $x 4 = \underline{}$
1.					UPL spp. $\underline{\qquad}$ $\times$ 5 = $\underline{\qquad}$ $\underline{\qquad}$
2.					
3.					Total 100 (A) 140 (B)
4.					
5.					Prevalence Index = B/A = 1.400
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					X Dominance Test is > 50%
	Total Cover	= 0			X Prevalence Index is ≤ 3.0 *
			_		Morphological Adaptations (Explain) *
Herb Stratum (I	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Phalaris arundinacea	40	Υ	FACW	
2.	Carex utriculata	30	Υ	OBL	* Indicators of hydric soil and wetland hydrology must be
3.	Carex pellita	15	N	OBL	present, unless disturbed or problematic.
4.	Typha X glauca	10	N	OBL	Definitions of Vegetation Strata:
5.	Carex lacustris	5	N	OBL	
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.					1
12.		=			Herb - All herbaceous (non-woody) plants, regardless of size.
13.					- Creation of the contract of
14.					-
15.					Woody Vines - All woody vines, regardless of height.
15.	Total Cover	400			- VVOCAY VIIIeS - All Woody VIIIeS, regardless of height.
	Total Cover	= 100	_		
	(D) ( ) ( ) ( ) ( ) ( )				
Woody Vine Sti	ratum (Plot size: 30 ft. radius)				
1.					
2.					II. Local di Wassafatha Bassasa W
3.					Hydrophytic Vegetation Present?Y
5.					
4.	T. 10				
	Total Cover			<del></del>	
Remarks:	The wetland is dominated by reed canary of	grass and co	mmon bea	aked sedg	ge.
Additional R	lemarks:				
Ī					