## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/13/14
Applicant:									County:	Pennington	
Investigators		BEH/MRK			Subregion	•	or LRR):	MLRA 56		State:	MN
Soil Unit:	175A			_			I Classification:				
Landform:	Dip		10.11		cal Relief:					Sample Point:	w-154n44w31-f2
Slope (%):	0 - 2%		atitude: 48.12		Longitude:			Datum:		4	
		nditions on the site			ar'? (If no, exp				□ No	Section:	
Are Vegetation			⊐significantly			Are	e normal circum	-	esent?	Township:	
Are Vegetation			⊐aturally pro	blematic?			Yes	□ No		Range:	Dir:
SUMMARY C											
Hydrophytic \	•		Yes		_				ls Present?		(I I I V I
Wetland Hyd			Yes						mpling Poir	nt Within A W	etland? <b>Yes</b>
Remarks:	Hardwood	swamp dominated by	y baisam po	plar and Ame	erican eim.	. Ground	cover is very s	sparse.			
LIVERGLOO	V										
HYDROLOG	Y										
	•	<b>icators</b> (Check all th	hat apply; M	inimum of on	e primary	or two se	econdary requir	ed):			
<u>Primary:</u>									Secondary		
	A1 - Surface				B11 - Salt (					B6 - Surface S	
	A2 - High Wa A3 - Saturation				B13 - Aqua C1 - Hydro					B10 - Drainage	Vegetated Concave Surface
✓	B1 - Water M				C2 - Dry Se						Rhizospheres on Living Roots (tilled)
	B2 - Sedimen	t Deposits					spheres on Living	Roots (not till	• 🗆	C8 - Crayfish E	Burrows
	B3 - Drift Dep						duced Iron				Nisible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin M		ace		☑	D2 - Geomorp	
	B5 - Iron Dep	osits on Visible on Aerial Imag	gery.	Ц	Other (Exp	iain)				D5 - FAC-Neu	trai Test aved Hummocks (LRR F)
		tained Leaves	gery							D1 - 1103t-11e8	ived Hammocks (LIXIX I )
Field Observ	vations:										
Surface Wate	er Present?	Yes 🗆	Depth	:	(in.)						
Water Table		Yes		: :	(in.)			Wetland F	lydrology	Present?	Y
Saturation Pr		Yes □	Depth		`(in.)						_
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:											
Describe Reco	orded Data (s	stream gauge monito	ring well ag	ial photos pr	- avious insp	ections)	if available:				
	<u>`</u>				evious insp	ections),	if available:				
Describe Reco	<u>`</u>	stream gauge, monito ed leaves were obse			evious insp	ections),	if available:				
Remarks:	<u>`</u>				evious insp	ections),	if available:				
Remarks:	Water-stain	ed leaves were obse	erved on the	ground.	·	·		dicators.)			
Remarks:  SOILS Profile Descri	Water-stain		erved on the	e ground.	cator or co	onfirm the	e absence of in				
Remarks:  SOILS Profile Descri	Water-stain	ed leaves were observed be to the depth need	erved on the	e ground.	cator or co	onfirm the	e absence of in				
Remarks:  SOILS Profile Descri	Water-stain	ed leaves were observed be to the depth need	erved on the	e ground.	cator or co	onfirm the	e absence of in ore Lining, M=Matr				
Remarks:  SOILS Profile Descri	Water-stain	ed leaves were obsorbe to the depth need etion, RM=Reduced Matr	erved on the	e ground.	cator or co	onfirm the	e absence of in ore Lining, M=Matr		Texture		Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer	Water-stain	ed leaves were observed leaves	ded to docurix, CS=Covere	e ground.  ment the indi	cator or co	onfirm the	e absence of in ore Lining, M=Matr	(x)	Texture MMI		Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer	Water-stain iption (Descriptration, D=Depl	be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1	ded to docurix, CS=Covere	e ground.  ment the indi	cator or co Grains; Locat Moist)	onfirm the	e absence of in ore Lining, M=Matr	(x)		Mixed matrix.	Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9	Water-stain iption (Descriptration, D=Depl	be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1	ded to docurix, CS=Covere	ment the indi	cator or co Grains; Locat Moist)	onfirm the tion: PL=Pe Mottle	e absence of in ore Lining, M=Matr es Type	Location	MMI	Mixed matrix.	Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15	Water-stain iption (Description, D=Depl	be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  2/2	ded to docurix, CS=Covere	ment the indi	cator or co Grains; Locat Moist)	onfirm the tion: PL=Pe Mottle	e absence of in ore Lining, M=Matr es Type	Location	MMI	Mixed matrix.	Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15	Water-stain iption (Description, D=Depl	be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  2/2	ded to docurix, CS=Covere	ment the indi	cator or co Grains; Locat Moist)	onfirm the tion: PL=Pe Mottle	e absence of in ore Lining, M=Matr es Type	Location	MMI	Mixed matrix.	Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15	Water-stain iption (Description, D=Depl	be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  2/2	ded to docurix, CS=Covere	ment the indi	cator or co Grains; Locat Moist)	onfirm the tion: PL=Pe Mottle	e absence of in ore Lining, M=Matr es Type	Location	MMI	Mixed matrix.	Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23	Water-stain iption (Description, D=Depl Hue_10YR Hue_10YR Hue_2.5Y	be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  2/2  5/3	ded to docurix, CS=Covere  % 100 70 100	ment the indid/Coated Sand Color (Hue_10YR	cator or co Grains; Locat Moist)	Mottle 30	e absence of in ore Lining, M=Matr es Type	Location	MMI	Mixed matrix.	Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23	Water-stain iption (Description, D=Depl	be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  2/2  5/3	ded to docurix, CS=Covere  % 100 70 100	ment the indi	cator or co Grains; Locat Moist)	Mottle 30	e absence of in ore Lining, M=Matr es Type C	Location	MMI SL S		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Water-stain iption (Description, D=Depl Hue_10YR Hue_10YR Hue_2.5Y	be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  2/2  5/3	ded to docurix, CS=Covere  % 100 70 100	color ( Hue_10YR	cator or co Grains; Locat Moist) 2/1	Mottle 30	e absence of in ore Lining, M=Matr es Type C	Location	MMI SL S	for Problematic	
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23	Hue_10YR Hue_10YR Hue_2.5Y  Fic Soil Field  A1- Histosol A2 - Histic Ep	be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (checking)	ded to docurix, CS=Covere  % 100 70 100	color ( Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped	cator or co Grains; Locat Moist)  2/1  not present	Mottle % 30	e absence of in ore Lining, M=Matr es Type C	Location	MMI SL S Indicators: A9 - 1 cm N A16 - Coast	for Problemation  Muck (LRR I, J)  t Prairie Redox (	c Soils <sup>1</sup>
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Tic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His	be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (checking)	ded to docurix, CS=Covere  % 100 70 100	color ( Hue_10YR  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N	Cator or co Grains; Locat Moist)  2/1  2/1  not present	Mottle  Mottle  30  t):	e absence of in ore Lining, M=Matr es Type C	Location	MMI SL S Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S	for Problemation  Muck (LRR I, J)  t Prairie Redox ( Surface (LRR G)	Soils <sup>1</sup> (LRR F, G, H)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_2.5Y  Tic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	be to the depth needetion, RM=Reduced Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (checking Sulfide	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color ( Hue_10YR  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O	Cator or co Grains; Locat Moist)  2/1  2/1  not present edox Matrix flucky Minera	Mottle  Mottle  30  t):	e absence of in ore Lining, M=Matr es Type C	Location	Indicators A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High I	for Problemation  Muck (LRR I, J)  t Prairie Redox ( Surface (LRR G)  Plains Depression	c Soils <sup>1</sup>
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Fic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	ed leaves were observed leaves leaves leaves were observed leaves	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O F3 - Depleted	Cator or co Grains; Locat Moist)  2/1  anot present edox Matrix Mucky Minera Gleyed Matrix Matrix	Mottle %  30  t):	e absence of in ore Lining, M=Matr es Type C	Location	Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduce	for Problemation  Muck (LRR I, J)  It Prairie Redox ( Burface (LRR G)  Plains Depression  Ced Vertic	Soils <sup>1</sup> (LRR F, G, H)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Fic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (checking Sulfide Layers (LRR F) ck (LRR FGH)	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  Color (  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D	Cator or co Grains; Locat Moist)  2/1  2/1  not present edox Matrix Mucky Minera Gleyed Matrix I Matrix ark Surface	Mottle % 30 t):	e absence of in ore Lining, M=Matr es Type C	Location	Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduc	for Problemation  Muck (LRR I, J)  t Prairie Redox ( Burface (LRR G)  Plains Depression  Ced Vertic  Parent Material	E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Fic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (checking Sulfide Layers (LRR F) ck (LRR FGH) cd Below Dark Surface	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O F3 - Depleted	Cator or co Grains; Locat Moist)  2/1  anot present edox Matrix Mucky Minera Gleyed Matrix I Matrix ark Surface I Dark Surfa	Mottle % 30 t):	e absence of in ore Lining, M=Matr es Type C	Location	Indicators  A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very	for Problemation  Muck (LRR I, J)  It Prairie Redox ( Burface (LRR G)  Plains Depression  Ced Vertic	E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_2.5Y  Tic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete	be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (check in Sulfide Layers (LRR F) ck (LRR FGH) cd Below Dark Surface ark Surface	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  Hue_10YR  Color (  Hue_10YR  Color (  Color (	Cator or co Grains; Locat Moist)  2/1  anot present edox Matrix Mucky Minera Gleyed Matrix ark Surface I Dark Surfa epressions	Mottle % 30 t):	e absence of in ore Lining, M=Matr es Type C	Location	Indicators  A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very	for Problemation  Muck (LRR I, J)  It Prairie Redox (Surface (LRR G)  Plains Depression  Ced Vertic  Parent Material  It Shallow Dark S	E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Tic 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 N	ed leaves were observed leaves (Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (check leaves (LRR F) ck (LRR FGH) ck (LRR FGH) cd Below Dark Surface lark Surface lucky Mineral Mucky Peat or Peat (LRI	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  Hue_10YR  Color (  Hue_10YR  Color (  Color (	Cator or co Grains; Locat Moist)  2/1  anot present edox Matrix Mucky Minera Gleyed Matrix ark Surface I Dark Surfa epressions	Mottle % 30 t):	e absence of in ore Lining, M=Matr	Location	MMI SL S  Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduc TF2 - Red F TF12 - Very Other (Expl	for Problemation  Muck (LRR I, J)  It Prairie Redox ( Surface (LRR G)  Plains Depression  Ced Vertic  Parent Material  V Shallow Dark S  ain in Remarks)	ESoils <sup>1</sup> [LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Fic 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	ed leaves were observed leaves (Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (check leaves (LRR F) (LRR FGH) (LRR FGH) (LRR FGH) (LRR FGH) (LRR FGH) (LRR Surface lacky Mineral Mucky Peat or Peat (LRR Cky Peat or Peat (LR	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  Hue_10YR  Color (  Hue_10YR  Color (  Color (	Cator or co Grains; Locat Moist)  2/1  anot present edox Matrix Mucky Minera Gleyed Matrix ark Surface I Dark Surfa epressions	Mottle % 30 t):	e absence of in ore Lining, M=Matr	Location	MMI SL S  Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	for Problemation  Muck (LRR I, J)  t Prairie Redox ( Surface (LRR G)  Plains Depression  ced Vertic  Parent Material  of Shallow Dark Stain in Remarks)	E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Tic 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 N	ed leaves were observed leaves (Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (check leaves (LRR F) (LRR FGH) (LRR FGH) (LRR FGH) (LRR FGH) (LRR FGH) (LRR Surface lacky Mineral Mucky Peat or Peat (LRR Cky Peat or Peat (LR	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  Hue_10YR  Color (  Hue_10YR  Color (  Color (	Cator or co Grains; Locat Moist)  2/1  anot present edox Matrix Mucky Minera Gleyed Matrix ark Surface I Dark Surfa epressions	Mottle % 30 t):	e absence of in ore Lining, M=Matr	Location	MMI SL S  Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	for Problemation  Muck (LRR I, J)  It Prairie Redox ( Surface (LRR G)  Plains Depression  Ced Vertic  Parent Material  V Shallow Dark S  ain in Remarks)	ESoils <sup>1</sup> [LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Tic 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	ed leaves were observed leaves (Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (check leaves (LRR F) (LRR FGH) (LRR FGH) (LRR FGH) (LRR FGH) (LRR FGH) (LRR Surface lacky Mineral Mucky Peat or Peat (LRR Cky Peat or Peat (LR	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	Cator or co Grains; Locat Moist)  2/1  anot present edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface I Dark Surfa epressions ains Depres	Mottle % 30 t):	e absence of in ore Lining, M=Matr	Location	MMI SL S  Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	for Problemation  Muck (LRR I, J)  t Prairie Redox ( Surface (LRR G)  Plains Depression  ced Vertic  Parent Material  of Shallow Dark Stain in Remarks)	ESoils <sup>1</sup> [LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Tic 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	ed leaves were observed leaves (Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (check leaves (LRR F) (LRR FGH) (LRR FGH) (LRR FGH) (LRR FGH) (LRR FGH) (LRR Surface lacky Mineral Mucky Peat or Peat (LRR Cky Peat or Peat (LR	ded to docurix, CS=Covere  % 100 70 100 ck here if ince	color (  Hue_10YR  Hue_10YR  Color (  Hue_10YR  Color (  Color (	Cator or co Grains; Locat Moist)  2/1  anot present edox Matrix Mucky Minera Bleyed Matrix I Matrix ark Surface I Dark Surfa epressions ains Depres	Mottle % 30 t):	e absence of in ore Lining, M=Matrices  Type  C  RA 72, 73 of LRR	Location	MMI SL S  Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduc TF2 - Red F TF12 - Very Other (Explain	for Problemation  Muck (LRR I, J)  t Prairie Redox ( Surface (LRR G)  Plains Depression  ced Vertic  Parent Material  of Shallow Dark Stain in Remarks)	ESoils <sup>1</sup> [LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-9 9-15 15-23  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Fic 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  Type:	be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  2/2  5/3  Indicators (check in Sulfide Layers (LRR F) ck (LRR FGH) ck (LRR FGH) cd Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LRR leyed Matrix	ded to docurix, CS=Covere    %   100   70   100     ck here if income	color (  Hue_10YR  Color (  Hue_10YR  Color (  Hue_10YR  Color (  Color (	Cator or co Grains; Locat Moist)  2/1  2/1  not present edox Matrix flucky Minera Gleyed Matrix ark Surface I Dark Surface I Dark Surfa epressions ains Depres	Mottle  Mottle  30  t):	e absence of in ore Lining, M=Matrices  Type  C  RA 72, 73 of LRR	Location  M  H)  II Present?	MMI SL S  Indicators A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	for Problematic fluck (LRR I, J) t Prairie Redox ( Gurface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks) hydrophytic vegetated or problematic.	ESoils <sup>1</sup> [LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site	: L3R				Sample Point: w-154n44w31-f2				
VEGETATIO	、 .	e non-native	species.)						
Tree Stratum	(Plot size: 30 ft. radius)								
	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet				
1.	Populus balsamifera	55	Υ	FACW					
2.	Ulmus americana	30	Υ	FAC	Number of Dominant Species that are OBL, FACW, or FAC: (A)				
3.	Populus tremuloides	15	N	FAC					
4.	Acer negundo	5	N	FAC	Total Number of Dominant Species Across All Strata:5 (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 spp. $0   x   1 = 0$				
	Total Cover =	105			FACW spp. $\frac{136}{8}$ $\frac{136}{8}$				
			FAC spp. $\frac{70}{70}$ x 3 = $\frac{210}{10}$						
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $5   x   4 = 20$				
1.	Populus tremuloides	15	Υ	FAC	FACU spp. $5$ $X 4 = 20$ UPL spp. $0$ $X 5 = 0$				
2.		5	 N	FACU	от 2 орр. <u> </u>				
3.	Toxicodendron rydbergii	<u>5</u>	N	FAC	Total 143 (A) 366 (B)				
4.	Populus deltoides	3	N N	FACW	Total 143 (A) 366 (B)				
4. 5.	Populus balsamifera	<u> </u>	IN	FACVV	Dravelence Index D/A 2.550				
					Prevalence Index = B/A = 2.559				
6.									
7.					Under aboth Manatation in Bostons				
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					X Dominance Test is > 50%				
	Total Cover =	28	_		X Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
Herb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Phalaris arundinacea	5	Y	FACW					
2.	Calamagrostis canadensis	5	Υ	<b>FACW</b>	* Indicators of hydric soil and wetland hydrology must be				
3.					present, unless disturbed or problematic.				
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.									
12.					Herb - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.									
15.					Woody Vines - All woody vines, regardless of height.				
10.	Total Carra	40			Trody Villes - / 11000, 10gardiood of Holgin				
	Total Cover =	10							
14/	1(D) 1(D								
	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present?Y				
5.									
4.									
	Total Cover =								
Remarks: The canopy is dominated by balsam poplar and American elm. The shrub layer is dominated by quaking aspen seedlings. The ground layer is sparse with									
	reed canary grass and Canada bluejoint.								
· · · · · · · · · · · · · · · · · · ·									
Additional Remarks:									
Additional Romana.									