## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/26/14	
Applicant: Enbridge									County:	Pennington		
Investigators: BEH/NTT				Subregion (MLRA or LRR): MLRA 56							MN	
Soil Unit:	148A			<u> </u>			I Classification	:		_		
Landform:	Talf				cal Relief:					Sample Point	u-154n44w19-d1	
Slope (%):	3 - 7%	11.1	Latitude: 48.1			-96.348		Datum:		4		
Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)  Yes □ No Section:												
Are Vegetation		, ,	•			Are	e normal circur	•	esent?	Township:		
Are Vegetation			□aturally pro	oblematic?			Yes	□ No		Range:	Dir:	
SUMMARY O												
Hydrophytic \	_		No		_				Is Present?			
Wetland Hyd			No							nt Within A W	etland? <b>No</b>	
Remarks:	Upland sam	nple point in a heav	vily grazed pa	sture domina	ited by gra	asses and	d clovers, upsl	ope from a s	small wet m	neadow dip.		
<b>HYDROLOG</b>	Y											
Wetland Hy	drology Ind	icators (Check all	that apply: M	inimum of on	e primary	or two se	econdary requi	red):				
Primary:	•	iodioro (orroan an	mar apply, m		o primary	0		. • • • • • • • • • • • • • • • • • • •	Secondary	:		
	A1 - Surface	Water			B11 - Salt	Crust				B6 - Surface S	Soil Cracks	
	A2 - High Wa				B13 - Aqua						Vegetated Concave Surface	
	A3 - Saturation				C1 - Hydro					B10 - Drainag		
	B1 - Water M B2 - Sedimen				C2 - Dry S		ater Table spheres on Living	Roots (not till	L -	C3 - Oxidized C8 - Crayfish	Rhizospheres on Living Roots (tilled)	
	B3 - Drift Dep	•					duced Iron	110013 (1101 1111	ì	•	n Visible on Aerial Imagery	
	B4 - Algal Ma				C7 - Thin N				_	D2 - Geomorp		
	B5 - Iron Dep				Other (Exp	olain)				D5 - FAC-Neu		
		on Visible on Aerial Im	nagery							D7 - Frost-Hea	aved Hummocks (LRR F)	
	B9 - Water-S	tained Leaves										
First LOL	- 4 *											
Field Observ					<i>(</i> ' )							
Surface Water		Yes	Depth		_ (in.)			Wetland F	Hydrology	Present?	N	
Water Table		Yes	Depth		_ (in.)				.,		· <del>· · ·</del>	
Saturation Pr	esent?	Yes	Depth	າ:	_ (in.)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:												
Remarks:					· ·	pections),	if available:					
					· ·	oections),	if available:					
					· ·	oections),	if available:					
Remarks:  SOILS Profile Descri	No primary ption (Descr	or secondary hydro	ological indicated	ators were ob	oserved.	onfirm th	e absence of ir					
Remarks:  SOILS Profile Descri	No primary ption (Descr	or secondary hydro	ological indicated	ators were ob	oserved.	onfirm th	e absence of ir					
Remarks:  SOILS Profile Descri	No primary ption (Descr	or secondary hydro be to the depth ne etion, RM=Reduced Ma	ological indicated	ators were ob	oserved.	onfirm th	e absence of ir ore Lining, M=Mat					
Remarks:  SOILS Profile Descri (Type: C=Concen	No primary ption (Descr	or secondary hydro be to the depth ne etion, RM=Reduced Ma Matrix	eeded to docu	ment the indi	cator or co	onfirm thation: PL=P	e absence of ir ore Lining, M=Mat	rix)				
Remarks:  SOILS Profile Descri	No primary ption (Descr	or secondary hydro be to the depth ne etion, RM=Reduced Ma	ological indicated	ators were ob	cator or co	onfirm th	e absence of ir ore Lining, M=Mat		Texture		Remarks	
Remarks:  SOILS Profile Descri (Type: C=Concen	No primary ption (Descr	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)	eeded to docu	ment the indi	cator or co	onfirm thation: PL=P	e absence of ir ore Lining, M=Mat	rix)	Texture CL		Remarks	
Remarks:  SOILS Profile Descri (Type: C=Concent	No primary  ption (Descr	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1	eeded to docu atrix, CS=Covere	ment the indi	cator or co	onfirm thation: PL=P	e absence of ir ore Lining, M=Mat	rix)	Texture CL SCL	abundant gravel	Remarks	
Remarks:  SOILS Profile Descri (Type: C=Concent	No primary  ption (Descritration, D=Depl	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1 4/2	eeded to docu atrix, CS=Covere	ment the indi	cator or co	onfirm thation: PL=P	e absence of ir ore Lining, M=Mat	rix)	CL	abundant gravel	Remarks	
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-6 6-7	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1 4/2	eeded to docu atrix, CS=Covere	ment the indi	cator or co	onfirm thation: PL=P	e absence of ir ore Lining, M=Mat	rix)	CL SCL		Remarks	
Remarks:  SOILS Profile Descripe: C=Concent  Depth (In.) 0-6 6-7 7-12	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR Hue_10YR	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3	eeded to docu atrix, CS=Covere	ment the indi	cator or co	onfirm th tion: PL=P Mottle	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL		Remarks	
Remarks:  SOILS Profile Descripe: C=Concent  Depth (In.) 0-6 6-7 7-12	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR Hue_10YR	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3	eeded to docu atrix, CS=Covere	ment the indi	cator or co	onfirm th tion: PL=P Mottle	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL		Remarks	
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-6  6-7  7-12  12-25	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1 4/2 5/3 6/3	eeded to docu atrix, CS=Covere % 100 100 95	ment the indicated Sand Color ( Hue_10YR	cator or cograins; Loca  Moist)  7/8	onfirm th tion: PL=P	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL		Remarks	
Remarks:  SOILS Profile Descripe: C=Concent  Depth (In.) 0-6 6-7 7-12	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1 4/2 5/3 6/3	eeded to docu atrix, CS=Covere	ment the indicated Sand Color ( Hue_10YR	cator or cograins; Loca  Moist)  7/8	onfirm th tion: PL=P	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S	abundant gravel		
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-7 7-12 12-25  NRCS Hydri	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1 4/2 5/3 6/3	eeded to docu atrix, CS=Covere % 100 100 95	ment the indi d/Coated Sand Color ( Hue_10YR	cator or cograins; Loca  Moist)  7/8  not present	onfirm th tion: PL=P	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S	abundant gravel		
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-6  6-7  7-12  12-25	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch	eeded to docu atrix, CS=Covere % 100 100 95	ment the indicated Sand Color ( Hue_10YR	cator or configuration of present sedox	onfirm th tion: PL=P	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S Indicators	abundant gravel	c Soils <sup>1</sup>	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-6  6-7  7-12  12-25  NRCS Hydri	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  ic Soil Field  A1- Histosol	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch	eeded to docu atrix, CS=Covere % 100 100 95	ment the indicators were obtained.  Color (  Hue_10YR  dicators are r	cator or cograins; Loca  Moist)  7/8  not presentedox Matrix	onfirm the stion: PL=P  Mottle %  5  at):	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S S Indicators A9 - 1 cm N A16 - Coas	abundant gravel  for Problemati  Muck (LRR I, J)	c Soils <sup>1</sup> (LRR F, G, H)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-6  6-7  7-12  12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch	eeded to docu atrix, CS=Covere % 100 100 95	ment the indicators are results. So - Sandy Results - Loamy New York Park - Loamy New York Park - Loamy New York - Loamy New	cator or configurations; Local Moist)  7/8  not present edox Matrix Mucky Miner Gleyed Matrix	monfirm the Mottle %  5  at):	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S S Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High	abundant gravel  for Problemati  Muck (LRR I, J) t Prairie Redox Surface (LRR G) Plains Depressi	c Soils <sup>1</sup> (LRR F, G, H)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-7 7-12 12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch	eeded to docu atrix, CS=Covere % 100 100 95	ment the indicators are results. Sandy Results and results. Sandy Results are results are results are results are results. Sandy Results are results are results are results are results. Sandy Results are result	cator or configurations; Local  Moist)  7/8  Tot present the configuration of present decay and the configurations of the configuration	Mottle  Mottle  Salaix	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High I F18 - Reduce	abundant gravel  for Problemati  Muck (LRR I, J) t Prairie Redox Surface (LRR G) Plains Depression	c Soils <sup>1</sup> (LRR F, G, H)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-7 7-12 12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_15Y  ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch	eeded to docu atrix, CS=Covere % 100 100 95 neck here if in	ment the indicators are respectively.  Color (  Hue_10YR  dicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D	cator or construction of present decay Matrix Mucky Miner Bleyed Matrix Dark Surface	monfirm the stion: PL=P  Mottle %  5  at):	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F	abundant gravel  for Problemati  Muck (LRR I, J) t Prairie Redox Surface (LRR G) Plains Depressiced Vertic Parent Material	c Soils <sup>1</sup> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-6  6-7  7-12  12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_15Y  ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch	eeded to docu atrix, CS=Covere  % 100 100 100 95 neck here if in	ment the indicators are results. So - Sandy Results - Sandy Results - Loamy Re	cator or configurations; Local Moist)  7/8  Tot present the document of Matrix Mucky Miner Bleyed Matrix Matrix Dark Surfaced Da	monfirm the stion: PL=P  Mottle %  5  at ix	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very	abundant gravel  for Problemati  Muck (LRR I, J) t Prairie Redox Surface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark S	c Soils <sup>1</sup> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-7 7-12 12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch	eeded to docu atrix, CS=Covere % 100 100 95 neck here if in	ment the indicators are respectively.  Color (  Hue_10YR  dicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or configurations; Local  Moist)  7/8  Tot present the configuration of the configurati	Mottle  Mottle  Salaix  Acce	e absence of ir ore Lining, M=Mat es Type C	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very	abundant gravel  for Problemati  Muck (LRR I, J) t Prairie Redox Surface (LRR G) Plains Depressiced Vertic Parent Material	c Soils <sup>1</sup> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-7 7-12 12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  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	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch	eeded to docu atrix, CS=Covere  % 100 100 95 neck here if in	ment the indicators are respectively.  Color (  Hue_10YR  dicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or configurations; Local  Moist)  7/8  Tot present the configuration of the configurati	Mottle  Mottle  Salaix  Acce	e absence of ir ore Lining, M=Mat es Type	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Redu TF2 - Red F TF12 - Very	abundant gravel  for Problemati  Muck (LRR I, J) t Prairie Redox Surface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark S	c Soils <sup>1</sup> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-7 7-12 12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch  ipedon stic in Sulfide I Layers (LRR F) ck (LRR FGH) ck (LRR FGH) de Below Dark Surface ucky Mineral flucky Peat or Peat (LR cky Peat or Peat (LR)	eeded to docu atrix, CS=Covere  % 100 100 95  neck here if in	ment the indicators are respectively.  Color (  Hue_10YR  dicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or configurations; Local  Moist)  7/8  Tot present the configuration of the configurati	Mottle  Mottle  Salaix  Acce	e absence of ir ore Lining, M=Mat es Type C	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Expl	abundant gravel  for Problemati fluck (LRR I, J) t Prairie Redox flurface (LRR G) Plains Depression ced Vertic Parent Material f Shallow Dark S ain in Remarks)	c Soils <sup>1</sup> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-6  6-7  7-12  12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  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 S2 - 2.5 cm N	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch  ipedon stic in Sulfide I Layers (LRR F) ck (LRR FGH) ck (LRR FGH) de Below Dark Surface ucky Mineral flucky Peat or Peat (LR cky Peat or Peat (LR)	eeded to docu atrix, CS=Covere  % 100 100 95  neck here if in	ment the indicators are respectively.  Color (  Hue_10YR  dicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or configurations; Local  Moist)  7/8  Tot present the configuration of the configurati	Mottle  Mottle  Salaix  Acce	e absence of ir ore Lining, M=Mat es Type C	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Expl	abundant gravel  for Problemati  Muck (LRR I, J) t Prairie Redox Surface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-7 7-12 12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  Ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch  ipedon stic in Sulfide I Layers (LRR F) ck (LRR FGH) ck (LRR FGH) de Below Dark Surface ucky Mineral flucky Peat or Peat (LR cky Peat or Peat (LR)	eeded to docu atrix, CS=Covere  % 100 100 95 neck here if in	ment the indicators are respectively.  Color (  Hue_10YR  dicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or configurations; Local  Moist)  7/8  Tot present the configuration of the configurati	Mottle  Mottle  Salaix  Acce	e absence of ir ore Lining, M=Mat es Type C	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Expl	abundant gravel  for Problemati fuck (LRR I, J) t Prairie Redox furface (LRR G) Plains Depressiced Vertic Parent Material f Shallow Dark Sain in Remarks)	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-6 6-7 7-12 12-25  NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  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 S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch  ipedon stic in Sulfide I Layers (LRR F) ck (LRR FGH) ck (LRR FGH) de Below Dark Surface ucky Mineral flucky Peat or Peat (LR cky Peat or Peat (LR)	eeded to docu atrix, CS=Covere  % 100 100 95 neck here if in	ment the indicators are respectively.  Color (  Hue_10YR  dicators are respectively.  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	cator or configurations ains Depressions ains Depressions	Mottle  Mottle  Salaix  Acce	e absence of ir ore Lining, M=Mates  ES  Type  C  Z  RA 72, 73 of LRI	Location	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Expl	abundant gravel  for Problemati fuck (LRR I, J) t Prairie Redox furface (LRR G) Plains Depressiced Vertic Parent Material f Shallow Dark Sain in Remarks)	c Soils <sup>1</sup> (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-6 6-7 7-12 12-25  NRCS Hydri	No primary  ption (Descritration, D=Depl  Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y  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 S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G  Type:	or secondary hydro be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  4/2  5/3  6/3  Indicators (ch  sipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral flucky Peat or Peat (LRF leyed Matrix	eded to docu atrix, CS=Covere % 100 100 95 neck here if in	ment the indicators are respectively.  Color (  Hue_10YR  dicators are respectively.  S5 - Sandy Res6 - Stripped F1 - Loamy Respectively.  F2 - Loamy Respectively.  F3 - Depleted F6 - Redox Depleted F8 - Re	cator or congrains; Local  Moist)  7/8  Tot present  Ledox Matrix Mucky Miner Cleyed Matrix Dark Surface Dark Surface Depressions ains Depressions	Mottle Mottle % 5 at):	e absence of ir ore Lining, M=Mates  es  Type  C  W  Hydric Sc	Location  M  R H)	CL SCL COS S  Indicators A9 - 1 cm N A16 - Coas S7 - Dark S F16 - High F18 - Reduct TF2 - Red F TF12 - Very Other (Expl	abundant gravel  for Problemati  Muck (LRR I, J) t Prairie Redox Surface (LRR G) Plains Depressiced Vertic Parent Material y Shallow Dark S ain in Remarks)  hydrophytic vegeta ed or problematic.	c Soils <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: u-154n44w19-d1				
<b>VEGETATIO</b>	(Species identified in all uppercase a	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.									
2.					Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)				
3.									
4.					Total Number of Dominant Species Across All Strata: 4 (B)				
5.					Total Nambel of Bollimani Openio 7 to 6000 7 t				
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)				
7.									
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					OBL spp. 10 x 1 = 10				
	 Total Cover =	0	FACW spp. $20$ $x 2 = 40$						
			FAC spp. $5$ $\times 3 = 15$						
Sanling/Shrub	Stratum (Plot size: 15 ft. radius)				FAC spp. $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
1.	Straturi (Flot size. 13 ft. radius)				I FACO spp				
					UPL spp. $0   x   5 = 0$				
2.					T-1-1 (45 (A) (C)				
3.					Total 115 (A) 385 (B)				
4.									
5.					Prevalence Index = B/A = 3.348				
6.									
7.									
8.					Hydrophytic Vegetation Indicators:				
9.					Rapid Test for Hydrophytic Vegetation				
10.					Dominance Test is > 50%				
10.		. 0			<del></del>				
	Total Cover =		<del></del>		Prevalence Index is ≤ 3.0 *				
					Morphological Adaptations (Explain) *				
Herb Stratum	(Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *				
1.	Poa pratensis	35	Υ	FACU					
2.	Agrostis gigantea	15	Y	FACW	* Indicators of hydric soil and wetland hydrology must be				
3.	Trifolium repens	15	Υ	FACU	present, unless disturbed or problematic.				
4.	Trifolium pratense	15	Y	FACU	Definitions of Vegetation Strata:				
5.	Setaria pumila	10	 N	FACU					
			N	OBL	Troo - W				
6	Carex granularis	10			<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.				
7.	Juncus dudleyi	5	N	FACW	rieight (DDH), regardless of height.				
8.	Plantago major	5	N	FAC					
9.	Taraxacum officinale	5	N	FACU	Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.				
10.									
11.									
12.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.				
13.									
14.				-					
15.					Woody Vines - All woody vines, regardless of height.				
15.	T. ( ) O	445			TVOOLY VIIIes - 7 III Woody VIIIes, Togaraloss of Holgin.				
	Total Cover =	115							
Woody Vine St	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present? N				
5.									
4.	,								
т.	Total Cover =	. 0							
Damarka			nad alavas	الأحادي المحادم	to along				
Remarks:	Sample site dominated by Kentucky bluegra	ss, reatop,	rea clover	r, and whit	te clover.				
Additional Remarks:									