## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	10/13/14		
Applicant:		Enbridge								County:	Red Lake		
Investigators	:	NTT/BEH			Subregio	n (MLRA	or LRR):	MLRA 56		State:	MN		
Soil Unit:	I7A					NW	I Classification:	:					
Landform:	Rise				Local Relief	: VV				Sample Point:	u-150n41w2-c1		
Slope (%):	3 - 7%		Latitude: 47			: -95.870	351	Datum		1			
		nditions on the site						⊡Yes	□No	Section:			
Are Vegetation		or Hydrology		ntly disturbed			e normal circun			1			
						710	✓ Yes	□No	esent:	Township:	D'		
Are Vegetation		☐ or Hydrology	Lilurally p	problematic			□ TES			Range:	Dir:		
SUMMARY C													
Hydrophytic \			No						Is Present?				
Wetland Hyd			No							nt Within A W	etland? No		
Remarks:	The upland	point is located on	n a rise in a	corn field wi	th scattered	pockets	of clover and m	neadow hors	setail.				
	•					-							
HYDROLOG	V												
Wetland Hy	drology Ind	icators (Check all	I that apply;	Minimum of	one primary	or two s	econdary requi	red):					
Primary:									Secondary				
	A1 - Surface Water				☐ B11 - Salt					B6 - Surface Soil Cracks			
	A2 - High Wa				☐ B13 - Aqu						Vegetated Concave Sui	rface	
	A3 - Saturatio			☐ C1 - Hydrogen Sulfide Odo ☐ C2 - Dry Season Water Ta							B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)		
	B1 - Water M B2 - Sedimen						iter Table spheres on Living	Doots (not til		C3 - Oxidized C8 - Crayfish E		Roots (tilled)	
	B3 - Drift Dep						duced Iron	Roots (not til			n Visible on Aerial Imag	ien/	
	B4 - Algal Ma				☐ C7 - Thin I					D2 - Geomorp		Cly	
I	B5 - Iron Dep				Other (Exp		200			D5 - FAC-Neu			
I □		n Visible on Aerial Im	nagery								aved Hummocks (LRR I	F)	
I =	B9 - Water-St								_			. ,	
_													
Field Observ	vations:												
		V	Б.		(im.)								
Surface Water		_		oth:				Wetland I	Hydrology	Present?	N		
Water Table		Yes 🔲	De <sub>l</sub>	oth:					,		_		
Saturation Pr	resent?	Yes $\square$	Dej	Saturation Present? Yes Depth: (in.)									
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:													
Describe Reco	orded Data (s	stream gauge, moni	itoring well. a	aerial photos		pections).	if available:						
				aerial photos		pections),	if available:						
Describe Reco		stream gauge, moni hydrology indicato		aerial photos		pections),	if available:						
Remarks:				aerial photos		pections),	if available:						
Remarks: SOILS	No wetland	hydrology indicato	ors present.		previous ins			adicatora )					
Remarks:  SOILS Profile Descri	No wetland	hydrology indicato	ors present.	cument the i	previous ins	onfirm th	e absence of ir						
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Remarks:  SOILS Profile Descri	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma	ors present.	cument the i	previous ins	onfirm th	e absence of ir ore Lining, M=Mati						
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	eeded to doo atrix, CS=Cove	cument the i	previous insignation of condicator or cond Grains; Loca	onfirm th ation: PL=P	e absence of ir ore Lining, M=Matr	rix)					
Remarks:  SOILS Profile Descri	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma	eeded to doo atrix, CS=Cove	cument the i	previous ins	onfirm th	e absence of ir ore Lining, M=Mati		Texture		Remarks		
Remarks: SOILS Profile Descri (Type: C=Concer	No wetland	hydrology indicato be to the depth ne etion, RM=Reduced Ma Matrix	eeded to doo atrix, CS=Cove	cument the i	previous inspections in a previous inspection or condicator or condicator or condicator in (Moist)	onfirm th ation: PL=P	e absence of ir ore Lining, M=Matr	rix)	Texture SC	pebbles present	Remarks		
Remarks:  SOILS Profile Descri (Type: C=Concer	No wetland iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1	eeded to doo atrix, CS=Cove	cument the i	previous inspections in a previous inspection or condicator or condicator or condicator in (Moist)	onfirm thation: PL=P	e absence of ir ore Lining, M=Matr es Type	Location	SC	i i	Remarks		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15	No wetland  ption (Descriptration, D=Depl  Hue_10YR  Hue_5Y	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2	eeded to doo atrix, CS=Cove	cument the i	previous insignation or cond Grains; Local or (Moist)	onfirm th ation: PL=P  Mottle % 1	e absence of ir ore Lining, M=Matr es Type C	Location M	SC CL	calcic horizon.			
Remarks:  SOILS Profile Descri (Type: C=Concer	No wetland iption (Descriptration, D=Depl	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1	eeded to doo atrix, CS=Cove	cument the i ered/Coated Sa  6 Colo 9 Hue_10  00 8 Hue_10	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8	onfirm th ation: PL=P  Mottle % 1	e absence of ir ore Lining, M=Matr es Type C	Location M	SC CL SCL	i i			
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15	No wetland  ption (Descriptration, D=Depl  Hue_10YR  Hue_5Y	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2	eeded to doo atrix, CS=Cove	cument the i ered/Coated Sa  6 Colo 9 Hue_10  00 8 Hue_10	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8	onfirm th ation: PL=P  Mottle % 1	e absence of ir ore Lining, M=Matr es Type C	Location M	SC CL SCL	calcic horizon.			
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15	No wetland  ption (Descriptration, D=Depl  Hue_10YR  Hue_5Y	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2	eeded to doo atrix, CS=Cove	cument the i ered/Coated Sa  6 Colo 9 Hue_10  00 8 Hue_10	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8	onfirm th ation: PL=P  Mottle % 1	e absence of ir ore Lining, M=Matr es Type C	Location M	SC CL SCL	calcic horizon.			
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	No wetland  ption (Description, D=Deption)  Hue_10YR  Hue_5Y  Hue_2.5Y	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2  7/2	eeded to docatrix, CS=Cove	6 Cold 9 Hue_10 00 8 Hue_2.5 indicators a	previous insprevious insprevious insprevious insprevious insprevious insprevious insprevious indicator or conditional Grains; Local or (Moist)	onfirm the ation: PL=P  Mottli  % 1 1 1	e absence of ir ore Lining, M=Matr es Type C	Location M M M	SC CL SCL SCL	calcic horizon. abundant gravel a	and pebbles		
Remarks: SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22	No wetland  ption (Description, D=Depl  Hue_10YR  Hue_5Y  Hue_2.5Y  ic Soil Field  A1- Histosol	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  7/2  7/2  Indicators (ch	eeded to docatrix, CS=Cove	6 Cold 9 Hue_10 00 8 Hue_2.5 indicators a	previous insprevious insprecious insprecio	onfirm the ation: PL=P  Mottli  % 1 1 1	e absence of ir ore Lining, M=Matr es Type C	Location M M M	SC CL SCL SCL SCL Indicators A9 - 1 cm M	calcic horizon. abundant gravel a  for Problemation fuck (LRR I, J)	and pebbles		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	No wetland  ption (Description, D=Deption)  Hue_10YR  Hue_5Y  Hue_2.5Y	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist) 2/1 7/2 7/2 Indicators (ch	eeded to docatrix, CS=Cove	Cument the i ered/Coated Sa  6 Colc 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators al	previous insprevious insprecious insprecio	onfirm th tition: PL=P  Mottli  %  1  1  1  1  1  1  1  1  1  1  1  1	e absence of ir ore Lining, M=Matr es Type C	Location M M M	SC CL SCL SCL SCL Indicators A9 - 1 cm M A16 - Coasi	calcic horizon. abundant gravel a	c Soils <sup>1</sup>		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	No wetland  ption (Descrintration, D=Depl  Hue_10YR Hue_5Y Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black His	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  7/2  7/2  Indicators (ch	eeded to docatrix, CS=Cove	6 Cold 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators a	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of which is a second condition of the condition o	onfirm the ation: PL=P  Mottli  % 1 1 1 1 t):	e absence of ir ore Lining, M=Matr es Type C	Location M M M	SC CL SCL SCL Indicators A9 - 1 cm M A16 - Coasi	calcic horizon. abundant gravel a  for Problematii fuck (LRR I, J) t Prairie Redox ( surface (LRR G)	c Soils¹ (LRR F, G, H)	))	
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	Ption (Descriptation, D=Deption (Descriptation, D=Deption (Descriptation, D=Deption (Descriptation, D=Deption (Descriptation, D=Deption (Descriptation, D=Deption, D=	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  7/2  7/2  Indicators (ch	eeded to docatrix, CS=Cove	6 Cold 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators a	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of the previous or condicator or	onfirm the ation: PL=P  Mottli  % 1 1 1 1 t):	e absence of ir ore Lining, M=Matr es Type C	Location M M M	SC CL SCL SCL Indicators A9 - 1 cm M A16 - Coasi	dalcic horizon.  abundant gravel abundant grav	c Soils <sup>1</sup>	1)	
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	Ption (Descriptation, D=Depl Hue_10YR Hue_5Y Hue_2.5Y Hue_2.5Y Hue_3-HisticsOf A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  7/2  7/2  Indicators (ch	eeded to docatrix, CS=Cove	6 Colc 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators a  S5 - Sanc S6 - Stripn F1 - Loam F3 - Deple	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of the previous or condicator or	onfirm thation: PL=P  Mottli % 1 1 1 1 thickers  Transport  Transport  Mottli % Transport  Mottli	e absence of ir ore Lining, M=Matr es Type C	Location M M M	Indicators  A9 - 1 cm M A16 - Coast 3 79 - 1 cm K A16 - Coast 3 716 - High I 5 718 - Reduce	dalcic horizon.  abundant gravel abundant grav	c Soils¹ (LRR F, G, H)	1)	
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	No wetland  ption (Descrintration, D=Depl  Hue_10YR Hue_5Y Hue_2.5Y  A1- Histosol A2- Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9- 1 cm Mu A11 - Deplete	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2  7/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	eeded to doo atrix, CS=Cove	Coment the intered/Coated Salve Salve Salve Salve School School Salve Salve Salve School Salve S	previous insignation of condicator or cond Grains; Local or (Moist)  or (Moist	onfirm the ation: PL=P  Mottli  %  1  1  1  tt):	e absence of ir ore Lining, M=Matr es Type C	Location M M M	Indicators: A9-1 cm M A16-Coasis S7-Dark S F16-High I TF2-Red F TF12-Very	for Problematic Muck (LRR I, J) t Prairie Redox ( surface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S	and pebbles  c Soils¹ (LRR F, G, H)  DNS (LRR H, outside MLRA 72, 73	1)	
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	Ption (Descriptation, D=Deplementation, D=Deplem	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  2/1  7/2  7/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) ck (LRR FGH) d Below Dark Surface ark Surface	eeded to doo atrix, CS=Cove	6 Colc 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators a  S5 - Sanc S6 - Strip F1 - Loan F2 - Loan F3 - Deple F6 - Redc F7 - Deple F8 - Redc	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of which is a condition of the c	onfirm the ation: PL=P  Mottle  % 1 1 1 1 thickers  ral  ix e acce	e absence of ir ore Lining, M=Matr es Type C C C	Location M M M C C C C C C C C C C C C C C C C	Indicators: A9-1 cm M A16-Coasis S7-Dark S F16-High I TF2-Red F TF12-Very	for Problematic Muck (LRR I, J) t Prairie Redox ( furface (LRR G) Plains Depression ced Vertic Parent Material	and pebbles  c Soils¹ (LRR F, G, H)  DNS (LRR H, outside MLRA 72, 73	1)	
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	Ption (Descriptation, D=Depl Hue_10YR Hue_5Y 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	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2  7/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral	eeded to docatrix, CS=Covers  9 110 9 neck here if	6 Colc 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators a  S5 - Sanc S6 - Strip F1 - Loan F2 - Loan F3 - Deple F6 - Redc F7 - Deple F8 - Redc	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of which is a condition of the c	onfirm the ation: PL=P  Mottle  % 1 1 1 1 thickers  ral  ix e acce	e absence of ir ore Lining, M=Matr es Type C	Location M M M C C C C C C C C C C C C C C C C	Indicators: A9-1 cm M A16-Coasis S7-Dark S F16-High I TF2-Red F TF12-Very	for Problematic Muck (LRR I, J) t Prairie Redox ( surface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S	and pebbles  c Soils¹ (LRR F, G, H)  DNS (LRR H, outside MLRA 72, 73	3)	
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Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	Pition (Descrintration, D=Deplete A1- Histosol A2- Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick D S1 - Sandy M S3 - 5 cm Mu S3 - 5 cm Mu	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2  7/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRi cky Peat or Peat (LRi cky Peat or Peat (LRi	eeded to docatrix, CS=Covers  9 9 11 9 neck here if	6 Colc 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators a  S5 - Sanc S6 - Strip F1 - Loan F2 - Loan F3 - Deple F6 - Redc F7 - Deple F8 - Redc	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of which is a condition of the c	onfirm the ation: PL=P  Mottle  % 1 1 1 1 thickers  ral  ix e acce	e absence of ir ore Lining, M=Matr es Type C C C	Location M M M C C C C C C C C C C C C C C C C	Indicators  A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I F18 - Redur TF12 - Very Other (Explant)	dalcic horizon. abundant gravel abundant gravel abundant gravel affor Problematic Muck (LRR I, J) t Prairie Redox (uurface (LRR G) Plains Depression Ced Vertic Parent Material s Shallow Dark Sain in Remarks)	and pebbles  c Soils¹ (LRR F, G, H)  DNS (LRR H, outside MLRA 72, 73		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	No wetland  ption (Descriptation, D=Depl  Hue_10YR  Hue_5Y  Hue_2.5Y  Hue_2.5Y  A1- Histosol  A2- Histic Ep  A3- Black His  A4- Hydrogel  A5- Stratified  A9- 1 cm Mu  A11- Deplete  A12- Thick D  S1- Sandy M  S2- 2.5 cm M	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2  7/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRi cky Peat or Peat (LRi cky Peat or Peat (LRi	eeded to docatrix, CS=Covers  9 9 11 9 neck here if	6 Colc 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators a  S5 - Sanc S6 - Strip F1 - Loan F2 - Loan F3 - Deple F6 - Redc F7 - Deple F8 - Redc	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of which is a condition of the c	onfirm the ation: PL=P  Mottle  % 1 1 1 1 thickers  ral  ix e acce	e absence of ir ore Lining, M=Matr es Type C C C	Location M M M C C C C C C C C C C C C C C C C	Indicators  A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I F18 - Redur TF12 - Very Other (Explant)	for Problematic Muck (LRR I, J) It Prairie Redox (LRR G) Plains Depression ced Vertic Parent Material V Shallow Dark S ain in Remarks)	and pebbles  C Soils  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	Pition (Descrintration, D=Deplete A1- Histosol A2- Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A1- Deplete A12 - Thick D S1 - Sandy M S3 - 5 cm Mu S3 - 5 cm Mu	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2  7/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRi cky Peat or Peat (LRi cky Peat or Peat (LRi	eeded to docatrix, CS=Covers  9 9 11 9 neck here if	6 Colc 9 Hue_10 00 8 Hue_10 Hue_2.5 indicators a  S5 - Sanc S6 - Strip F1 - Loan F2 - Loan F3 - Deple F6 - Redc F7 - Deple F8 - Redc	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of which is a condition of the c	onfirm the ation: PL=P  Mottle  % 1 1 1 1 thickers  ral  ix e acce	e absence of ir ore Lining, M=Matr es Type C C C	Location M M M C C C C C C C C C C C C C C C C	Indicators  A9 - 1 cm M A16 - Coasi S7 - Dark S F16 - High I F18 - Redur TF12 - Very Other (Explant)	dalcic horizon. abundant gravel abundant gravel abundant gravel affor Problematic Muck (LRR I, J) t Prairie Redox (uurface (LRR G) Plains Depression Ced Vertic Parent Material s Shallow Dark Sain in Remarks)	and pebbles  C Soils  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	Pition (Descrintration, D=Depleter Intration, D=Depleter Intration, D=Depleter Intration, D=Depleter Intration, D=Depleter Intration, D=Depleter Intration Intration Intration Intration Intration Intration Intration Intr	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2  7/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRi cky Peat or Peat (LRi cky Peat or Peat (LRi	eeded to docatrix, CS=Covers  9 9 11 9 neck here if	Coment the intered/Coated Sale Properties of the	previous insignation of condicator or cond Grains; Local or (Moist)  YR 3/4  YR 7/8  YR 2.5/2  The not preser of which is a condition of the c	onfirm the ation: PL=P  Mottle  % 1 1 1 1 thickers  ral  ix e acce	e absence of ir ore Lining, M=Matr es Type C C C	Location M M M M	Indicators of unless disturb	dalcic horizon. abundant gravel abundant gravel abundant gravel affor Problematic Muck (LRR I, J) t Prairie Redox (uurface (LRR G) Plains Depression Ced Vertic Parent Material s Shallow Dark Sain in Remarks)	and pebbles  C Soils  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73		
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-8 8-15 15-22  NRCS Hydr	Ption (Descriptation, D=Deplication,	hydrology indicato be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  2/1  7/2  7/2  Indicators (ch  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRi cky Peat or Peat (LRi cky Peat or Peat (LRi	eeded to docatrix, CS=Covers  9 110 9 110 eeck here if	cument the i pred/Coated Sa  6	previous insignation of condicator or condicator or condicator or condicator or condicator (Moist) or (Moist)	onfirm thation: PL=P  Mottli % 1 1 1 1 int):	e absence of ir ore Lining, M=Matr es  Type  C  C  C  C  Harry C  C  C  C  C  Harry C  Type  C  C  C  Harry C  Hydric So	Location M M M M II Present?	Indicators  A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF12 - Very Other (Expl.)  Indicators of unless disturb	for Problematic Muck (LRR I, J) t Prairie Redox (LRR G) Plains Depression ced Vertic Parent Material y Shallow Dark S ain in Remarks) hydrophytic vegetal ed or problematic.	and pebbles  C Soils  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73		

## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-150n41w2-c1		
VEGETATION		re non-native	species.)				
Tree Stratum (	Plot size: 30 ft. radius)				Dominon of Took Workshook		
1.	<u>Species Name</u>	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet		
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)		
3.					Number of Dominant Species that are OBL, FACW, or FAC:(A)		
4.					Total Number of Dominant Species Across All Strata: 1 (B)		
5.					(=)		
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)		
7.					`` ` <i></i>		
8.					Prevalence Index Worksheet		
9.					Total % Cover of: Multiply by:		
10.					OBL spp. 0 x 1 = 0		
	Total Cover =	0	_		FACW spp5		
					FAC spp. 0 x 3 = 0		
	Stratum (Plot size: 15 ft. radius)				FACU spp. 5 x 4 = 20		
1. 2.					UPL spp. 60 x 5 = 300		
3.	<u> </u>				Total 70 (A) 330 (B)		
3. 4.	J				Total 70 (A) 330 (B)		
5.	<u> </u>				Prevalence Index = B/A = <b>4.714</b>		
6.							
7.							
8.					Hydrophytic Vegetation Indicators:		
9.					Rapid Test for Hydrophytic Vegetation		
10.					Dominance Test is > 50%		
	Total Cover =	0			Prevalence Index is ≤ 3.0 *		
					Morphological Adaptations (Explain) *		
Herb Stratum (F	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *		
1.	Zea mays	60	Y	NI			
2.	Equisetum pratense	5	N	FACW	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
3.	Trifolium hybridum	5	N	FACU	i i		
4.				_	Definitions of Vegetation Strata:		
5. 6					Tree		
7.					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.		
8.							
9.					Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.		
10.				_			
11.							
12.					Herb - All herbaceous (non-woody) plants, regardless of size.		
13.							
14.							
15.					Woody Vines - All woody vines, regardless of height.		
	Total Cover =	70	_				
	atum (Plot size: 30 ft. radius)						
1. 2.							
3.					Hydrophytic Vegetation Present? N		
5. 5.					ilyarophytic regetation resent:		
4.	,						
	Total Cover =	0					
Remarks:	The upland vegetation is dominated by plan		th scattere	ed pockets	s of alsike clover and field horsetail.		
Additional Remarks:							