## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R									Date:	10/16/14	
Applicant: Enbridge										County:	Red Lake		
Investigators		BJC/RAJ				Subregio		or LRR):	MLRA 56		State:	MN	
Soil Unit:	159A							Classification			_		
Landform:	Talf				Loo	al Relief:					Sample Point	u-151n41w28-b1	
Slope (%):	0 - 2%		Latitude: 47			Longitude:			Datum				
		onditions on the site				r? (If no, exp			⊡Yes	D No	Section:		
Are Vegetati		I G or Hydrology					Are	e normal circun	•	esent?	Township:		
Are Vegetation		or Hydrology	Liturally p	oroblema	atic?			Yes	⊡No		Range:	Dir:	
SUMMARY OF FINDINGS Hydrophytic Vegetation Present? No Hydric Soils Present? Yes													
Hydrophytic						Is Present?							
Wetland Hyd			No								t Within A W		
Remarks:				oybean f	ield tha	it has bee	n recent	ly harvested. I	he soils are	e disturbed (	due to tillage	and the vegetation is dist	urbed
	-	e and herbicide ap	oplication.										
HYDROLOG	Y												
Wetland Hy	drology Ind	icators (Check all	I that apply;	Minimun	n of on	e primary	or two se	econdary requi	red):				
Primary										Secondary			
A1 - Surface Water						B11 - Salt					B6 - Surface S		
	A2 - High Wa A3 - Saturatio										B8 - Sparsely B10 - Drainage	Vegetated Concave Surface	
	B1 - Water M					C1 - Hyuro C2 - Dry Si						Rhizospheres on Living Roots	s (tilled)
	B2 - Sedimen							pheres on Living	Roots (not til	le 🗖	C8 - Crayfish I	Burrows	(
	B3 - Drift Dep							duced Iron				n Visible on Aerial Imagery	
	B4 - Algal Ma				_	C7 - Thin N		ice			D2 - Geomorp		
	B5 - Iron Dep	osits on Visible on Aerial Im	agen			Other (Exp	iain)				D5 - FAC-Neu	aved Hummocks (LRR F)	
		tained Leaves	lagery								D7 - HOSt-Hea		
Field Obser	vations:												
Surface Wat		Yes 🛛	Dei	pth:		(in.)							
Water Table		Yes		pth:		• •			Wetland H	lydrology	Present?	N	
Saturation Pr		Yes				(in.)							
						• •							
		stream gauge, moni				• •	ections),	if available:					
Describe Rec Remarks:		stream gauge, moni rs of wetland hydro				• •	pections),	if available:					
Remarks:						• •	pections),	if available:					
Remarks: SOILS	No indicato	rs of wetland hydro	ology were o	observed	l.	evious insp			odicators )				
Remarks: SOILS Profile Descri	No indicato		eeded to do	observed	l. he india	evious insp	onfirm th	e absence of ir					
Remarks: SOILS Profile Descri	No indicato	rs of wetland hydro	eeded to do	observed	l. he india	evious insp	onfirm th	e absence of ir					
Remarks: SOILS Profile Descri	No indicato	rs of wetland hydro	eeded to do	observed	l. he india	evious insp	onfirm th	e absence of ir ore Lining, M=Matr					
Remarks: SOILS Profile Descri	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma	eeded to doo	cument ti ered/Coate	l. he india	evious insp cator or co Grains; Loca	onfirm the	e absence of ir ore Lining, M=Matr		Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doo atrix, CS=Cove	cument ti ered/Coate	l. he indio d Sand C	evious insp cator or co Grains; Loca	onfirm the tion: PL=P Mottle	e absence of ir ore Lining, M=Matr	ix)	Texture		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.)	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist)	eeded to doo atrix, CS=Cove	cument ti ered/Coate	he india d Sand C Color (N	evious insp cator or co Grains; Loca	onfirm the tion: PL=P Mottle	e absence of ir ore Lining, M=Matr	ix)			Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to doo atrix, CS=Cove	cument ti ered/Coate	l. he indio d Sand C	evious insp cator or co Grains; Locar Noist)	onfirm the tion: PL=P Mottle %	e absence of ir pre Lining, M=Matr es Type	Location	CL		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to doo atrix, CS=Cove	cument ti ered/Coate	he india d Sand C Color (N	evious insp cator or co Grains; Locar Noist)	onfirm the tion: PL=P Mottle %	e absence of ir pre Lining, M=Matr es Type	Location	CL		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to doo atrix, CS=Cove	cument ti ered/Coate	he india d Sand C Color (N	evious insp cator or co Grains; Locar Noist)	onfirm the tion: PL=P Mottle %	e absence of ir pre Lining, M=Matr es Type	Location	CL		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to doo atrix, CS=Cove	cument ti ered/Coate	he india d Sand C Color (N	evious insp cator or co Grains; Locar Noist)	onfirm the tion: PL=P Mottle %	e absence of ir pre Lining, M=Matr es Type	Location	CL		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18	No indicato ption (Descr ntration, D=Depi Hue_10YR Hue_10YR	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/1	eeded to doo atrix, CS=Cove 9 11 9 9	cument ti ered/Coate % ( 00 5 Hue	I. he indid d Sand C Color (N _10YR	vious insp cator or co rains; Loca Aoist) 5/6	Mottle	e absence of ir ore Lining, M=Matr es Type C	Location	CL		Remarks	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18	No indicato ption (Descr ntration, D=Depi Hue_10YR Hue_10YR	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1	eeded to doo atrix, CS=Cove 9 11 9 9	cument ti ered/Coate % ( 00 5 Hue	I. he indid d Sand C Color (N _10YR	vious insp cator or co rains; Loca Aoist) 5/6	Mottle	e absence of ir pre Lining, M=Matr es Type	Location	CL C			
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr	No indicato ption (Descr tration, D=Depi Hue_10YR Hue_10YR	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/1	eeded to doo atrix, CS=Cove 9 11 9 9	cument ti ered/Coate	I. he indid d Sand ( Color (N _10YR 	vious insp cator or co rrains; Loca Aoist) 5/6 ot presen	Mottle	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C			
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr	No indicato ption (Descr ntration, D=Depl Hue_10YR Hue_10YR ic Soil Field A1- Histosol	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/1 5/1 Indicators (ch	eeded to doo atrix, CS=Cove 9 11 9 9	cument ti ered/Coate % (0) 5 Hue indicator	I. he indid d Sand C Color (N 10YR s are n Sandy Re	All the second s	Mottle	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C Indicators t A9 - 1 cm M	luck (LRR I, J)	c Soils <sup>1</sup>	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18	No indicato ption (Descr tration, D=Depi Hue_10YR Hue_10YR	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 10 10 10 10 10 10 10 10 10 10 10 10 10	eeded to doo atrix, CS=Cove 9 11 9 9	cument ti ered/Coate % ( 00 5 Hue indicator S5 - S S6 - S	I. <u>he indid</u> <u>d Sand C</u> <u>Color (N</u> <u>10YR</u> <u>s are n</u> Sandy Re Stripped	All the second s	monfirm the tion: PL=P Mottle %	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C Indicators 1 A9 - 1 cm M A16 - Coast		: <u>Soils¹</u> ∶LRR F, G, H)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/1 10 10 10 10 10 10 10 10 10 1	eeded to doo atrix, CS=Cove 9 11 9 9	cument ti       cered/Coate       %     (Coate       %     (Coate  %     <	I. he india d Sand C Color (N 10YR 10YR Sandy Re Sandy Re	Avious insp cator or co rains; Loca Aoist) 5/6 5/6 ot presen adox Matrix ucky Miner: leyed Matrix	Mottle % 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S	luck (LRR I, J) Prairie Redox ( urface (LRR G)	: <u>Soils¹</u> ∶LRR F, G, H)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr	No indicato ption (Descr tration, D=Depi Hue_10YR Hue_10YR ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/1 5/1 Indicators (ch stic n Sulfide Layers (LRR F)	eeded to doo atrix, CS=Cove 9 11 9 9	cument ti       cred/Coate       %     (       %     (       5     Hue       5     Hue       indicator        S5 - S     S - S       □     S6 - S       □     F3 - C	I. he indic d Sand C Color (N _10YR _10YR _10YR Sandy Re Stripped .oamy M .oamy M .oamy M Depleted	Aloist) 5/6 5/6 ot presen edox Matrix ucky Mineri	nfirm th tion: PL=P Mottle 5 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C Indicators 1 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High F F18 - Reduc	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic	2 <u>Soils1</u> (LRR F, G, H)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr U U U U U U U U U U U U U	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 5/1 Indicators (ch stic n Sulfide Layers (LRR F) ck (LRR FGH)	eeded to doo atrix, CS=Cove	cument ti       cument ti       med/Coate       %     (  %	I. he india d Sand C Color (I 10YR s are n Sandy Re Stripped Joamy M Joamy G Depleted Redox Die Redox Die Re	extor or cc rains; Loca Aoist) 5/6 ot presen edox Matrix ucky Miner- leyed Matrix Matrix Matrix Ark Surface	mfirm th tion: PL=P Mottle % 5 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material	2 <b>Soils<sup>1</sup></b> (LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr U U U U U U U U U U U U U	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 5/1 Indicators (ch stic n Sulfide I Layers (LRR F) ck (LRR FGH) ed Below Dark Surface	eeded to doo atrix, CS=Cove	cument ti       cument ti       indicator       S5 - S       S6 - S       S7 - S	I. he india d Sand C Color (I 10YR 10YR s are n Sandy Re Stripped oamy M oamy G Depleted Redox D Depleted	eator or cc prains; Loca Aoist) 5/6 ot presen edox Matrix ucky Minera leyed Matrix Matrix matrix Autrix Ma	mfirm th tion: PL=P Mottle % 5 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL       C       Jag - 1 cm N       A9 - 1 cm N       A16 - Coast       S7 - Dark S       F16 - High R       F18 - Reduc       TF2 - Red F       TF2 - Very	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S	2 <b>Soils<sup>1</sup></b> (LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr U U U U U U U U U U U U U	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 5/1 100 100 100 100 100 100 100 1	eeded to doo atrix, CS=Cove	cument tigred/Coate       6       6       7       6       7       7       8       8       9       1	I. he india d Sand C Color (N 10YR 10YR Sandy Re Sandy Re	All states and the second states and the sec	Mottle % 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL       C       Jag - 1 cm N       A9 - 1 cm N       A16 - Coast       S7 - Dark S       F16 - High R       F18 - Reduc       TF2 - Red F       TF2 - Very	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material	2 <b>Soils<sup>1</sup></b> (LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr NRCS Hydr 0 0 0 0 0 0 0 0 0 0 0 0 0	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 100000000000000000000000000000000000	e eded to doo atrix, CS=Cove 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	cument tigred/Coate       6       6       7       6       7       7       8       8       9       1	I. he india d Sand C Color (N 10YR 10YR Sandy Re Sandy Re	All states and the second states and the sec	Mottle % 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL       C       Jag - 1 cm N       A9 - 1 cm N       A16 - Coast       S7 - Dark S       F16 - High R       F18 - Reduc       TF2 - Red F       TF2 - Very	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S	2 <b>Soils<sup>1</sup></b> (LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr U U U U U U U U U U U U U	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 5/1 Indicators (ch stic Indicators (ch stic I Layers (LRR F) ck (LRR FGH) ed Below Dark Surface ucky Mineral Mucky Peat or Peat (LR) ck y Peat or Peat (LR)	e eded to doo atrix, CS=Cove 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	cument tigred/Coate       6       6       7       6       7       7       8       8       9       1	I. he india d Sand C Color (N 10YR 10YR Sandy Re Sandy Re	All states and the second states and the sec	Mottle % 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox , urface (LRR G) Plains Depressii sed Vertic Parent Material Shallow Dark S ain in Remarks)	2 <b>Soils<sup>1</sup></b> (LRR F, G, H) DNS (LRR H, outside MLRA 72, 73)	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr NRCS Hydr 0 0 0 0 0 0 0 0 0 0 0 0 0	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 5/1 Indicators (ch stic Indicators (ch stic I Layers (LRR F) ck (LRR FGH) ed Below Dark Surface ucky Mineral Mucky Peat or Peat (LR	e eded to doo atrix, CS=Cove 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	cument tigred/Coate       6       6       7       6       7       7       8       8       9       1	I. he india d Sand C Color (N 10YR 10YR Sandy Re Sandy Re	All states and the second states and the sec	mfirm thion: PL=Pi Mottle % 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressio ced Vertic Parent Material Shallow Dark S ain in Remarks)	<mark>C Soils<sup>1</sup></mark> (LRR F, G, H) D <b>NS</b> (LRR H, outside MLRA 72, 73) Gurface	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr U U U U U U U U U U U U U	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 5/1 Indicators (ch stic Indicators (ch stic I Layers (LRR F) ck (LRR FGH) ed Below Dark Surface ucky Mineral Mucky Peat or Peat (LR	e eded to doo atrix, CS=Cove 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	cument tigred/Coate       6       6       7       6       7       7       8       8       9       1	I. he india d Sand C Color (N 10YR 10YR Sandy Re Sandy Re	All states and the second states and the sec	mfirm thion: PL=Pi Mottle % 5 t):	e absence of ir ore Lining, M=Matr es Type C	Location M	CL C Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox , urface (LRR G) Plains Depressii sed Vertic Parent Material Shallow Dark S ain in Remarks)	<mark>C Soils<sup>1</sup></mark> (LRR F, G, H) D <b>NS</b> (LRR H, outside MLRA 72, 73) Gurface	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr U U U U U U U U U U U U U	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 5/1 Indicators (ch stic n Sulfide I Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral Mucky Peat or Peat (LR leyed Matrix	e eded to doo atrix, CS=Cove 9 10 9 10 9 10 9 10 9 10 9 10 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	cument tigred/Coate       6       6       7       6       7       7       8       8       9       1	I. he india d Sand C Color (N 10YR 10YR Sandy Re Sandy Re	All states and the second states and the sec	mfirm thion: PL=Pi Mottle % 5 t):	e absence of ir ore Lining, M=Matr es Type C C RA 72, 73 of LRF	Location M	CL C Indicators i A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox , urface (LRR G) Plains Depressii sed Vertic Parent Material Shallow Dark S ain in Remarks)	<mark>C Soils<sup>1</sup></mark> (LRR F, G, H) D <b>NS</b> (LRR H, outside MLRA 72, 73) Gurface	present,
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr Restrictive Layer	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 100 100 100 100 100 100 100 1	eeded to doo atrix, CS=Cove 10 9 10 9 10 9 10 9 10 9 10 9 10 9 10	cument ti       cered/Coate       %     (	L. he indic d Sand C Color (I 	All states of the second state	And the second s	e absence of ir pre Lining, M=Matri es Type C C RA 72, 73 of LRF Hydric So	ix)	CL C Indicators : A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressia ced Vertic 'arent Material Shallow Dark S ain in Remarks) hydrophytic vegeta ad or problematic.	c <u>Soils<sup>1</sup></u> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface	
Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-8 8-18 NRCS Hydr 0 0 0 0 0 0 0 0 0 0 0 0 0	No indicato	rs of wetland hydro ibe to the depth ne etion, RM=Reduced Mi Matrix Color (Moist) 2/1 5/1 100 100 100 100 100 100 100 1	e upland sa	cument ti       cered/Coate       %     (Coate       %	I. he india d Sand C Color (I _10YR _10YR _10YR Sare n Sandy Ref Sardy Ref Sandy Sand	Action of the second se	mfirm th tion: PL=P Mottle % 5 t): al x sice s is likely	e absence of ir pre Lining, M=Matri es Type C C RA 72, 73 of LRF Hydric So r due to the cla	ix)	CL C Indicators : A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressia ced Vertic 'arent Material Shallow Dark S ain in Remarks) hydrophytic vegeta ad or problematic.	<mark>C Soils<sup>1</sup></mark> (LRR F, G, H) D <b>NS</b> (LRR H, outside MLRA 72, 73) Gurface	

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R			Sample Point: u-151n41w28-b1				
VEGETATIO Tree Stratum	N (Species identified in all uppercase are (Plot size: 30 ft. radius)	e non-native species	S.)					
	Species Name	<u>% Cover</u> Domin	ant Ind.Status	Dominance Test Worksheet				
1.								
2. 3.				Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)				
3. 4.				Total Number of Dominant Species Across All Strata: 0 (B)				
5.								
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: N/A (A/B)				
7.								
8.				Prevalence Index Worksheet				
9.				Total % Cover of: Multiply by:				
10.	Total Cover =	0		$\begin{array}{c c} OBL \text{ spp.} & 0 & x \text{ 1} = & 0 \\ FACW \text{ spp.} & 0 & x \text{ 2} = & 0 \\ \end{array}$				
		<u> </u>		FAC spp. 0 $x 3 = 0$				
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)			FACU spp. 0 $x 4 = 0$				
1.				UPL spp. 0 $x = 0$				
2.								
3.				Total 0 (A) 0 (B)				
4. 5.				Prevalence Index = B/A = <b>NA</b>				
6.				Prevalence Index = B/A = <u>NA</u>				
7.								
8.				Hydrophytic Vegetation Indicators:				
9.				Rapid Test for Hydrophytic Vegetation				
10.				Dominance Test is > 50%				
	Total Cover =	0		Prevalence Index is ≤ 3.0 *				
Horb Stratum (	Plot size: 5 ft. radius)			Morphological Adaptations (Explain) * Problem Hydrophytic Vegetation (Explain) *				
1.								
2.				* Indicators of hydric soil and wetland hydrology must be				
3.				present, unless disturbed or problematic.				
4.				Definitions of Vegetation Strata:				
5.				Trop				
6 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.								
14.	<u> </u>			Woody Vines - All woody vines, regardless of height.				
	Total Cover =	0						
	ratum (Plot size: 30 ft. radius)							
1.								
2. 3.	<u> </u>			Hydrophytic Vegetation Present? N				
5.	<u> </u>							
4.	·							
	Total Cover =	0						
Remarks:	No vegetation is present at the sample point	due to recent ha	rvest. A lot of	soybean crop residue is present.				
Additional Remarks:								
	λeπαικ <b>ο</b> .							
<u>.</u>								