## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	08/25/14	
Applicant:		Enbridge			<b>.</b>	/A 41 D A	L D D)			County:	Marshall	
Investigators:		BEH/RAJ			Subregion	•	•	MLRA 56		State:	MN	
Soil Unit:	Talf			_	aal Daliafu		Classification:			Occupia Bainte	455 n 45 w 29 o 4	
Landform: Slope (%):	3 - 7%		Latitude: 48.22		cal Relief:	-96.4478	0456	Datum:		Sample Point:	u-155n45w28-c1	
		nditions on the site						✓ Yes	□ No	-		
Are Vegetation		✓, or Hydrology			II : (II 110, exp	i e	normal circum			Township:		
Are Vegetation	•	, ,				Alei	✓ Yes		COCIII:	Range:	Dir:	
SUMMARY O			Hatarany pro	bicinatio:			E 163			range.	DII.	
Hydrophytic \			No					Hydric Soil	ls Present?	Yes		
Wetland Hyd			No							nt Within A We	etland? <b>No</b>	
Remarks:				bean field up	slope from	n a seasor	nally-flooded b				nd disturbed vegetation, but	t no
rtomanto.	apparent hy	• •	oatoa iii a ooy	ocan noia ap		1 4 004001	nany noodod k		nto oontain	o riyario don a	na aletarbea vegetation, bat	. 110
HYDROLOGY		drology.										
		Santana (Obasala all	the at a second or NA					I\ -				
	•	cators (Check all	that apply; Mi	nimum of on	e primary o	or two sec	condary requii	red):	Casandam			
<u>Primary:</u> □	A1 - Surface \	Nator			B11 - Salt (	^ruet			Secondary:	<u>:</u> B6 - Surface S	oil Cracks	
	A2 - High Wat				B13 - Aqua						/egetated Concave Surface	
	A3 - Saturatio				C1 - Hydro		Odor			B10 - Drainage	_	
	B1 - Water Ma				C2 - Dry Se			<b>5</b>			Rhizospheres on Living Roots (til	lled)
	B2 - Sedimen	•			C3 - Oxidiz		heres on Living	Roots (not till	• -	C8 - Crayfish E		
	B3 - Drift Dep B4 - Algal Mat				C7 - Thin M				ä	D2 - Geomorph	Visible on Aerial Imagery	
	B5 - Iron Depo				Other (Expl		,,,		_	D5 - FAC-Neut		
	B7 - Inundatio	n Visible on Aerial Im	agery		` '	,				D7 - Frost-Hea	ved Hummocks (LRR F)	
	B9 - Water-St	ained Leaves										
Field Observ												
Surface Wate		Yes □	Depth		(in.)			Wetland H	lydrology	Present?	N	
Water Table		Yes	Depth		(in.)				.,		<u> </u>	
Saturation Pr	esent?	Yes □	Depth	•	(in.)							
					` ,							
Describe Reco	orded Data (s	tream gauge, moni	toring well, aer	ial photos, pre	` ` `	ections), if	f available:					
Describe Reco	<u> </u>	stream gauge, monitors			evious insp	ections), if	f available:					
	<u> </u>				evious insp	ections), if	f available:					
Remarks:	No primary	or secondary hydro	ological indica	itors were ob	evious insp served.	·						
Remarks:  SOILS Profile Descri	No primary ption (Descri	or secondary hydro	ological indica	ntors were ob	evious insposerved.	onfirm the	absence of in					
Remarks: SOILS Profile Descri	No primary ption (Descri	or secondary hydro	ological indica	ntors were ob	evious insposerved.	onfirm the	absence of in					
Remarks: SOILS Profile Descri	No primary ption (Descri	or secondary hydro be to the depth ne etion, RM=Reduced Ma	ological indica	ntors were ob	evious insposerved.	onfirm the	absence of in e Lining, M=Matr					
Remarks: SOILS Profile Descri (Type: C=Concen	No primary ption (Descri	or secondary hydro be to the depth ne etion, RM=Reduced Ma Matrix	eded to docur	nent the indicated Sand (	evious insp served. cator or co Grains; Locat	onfirm the tion: PL=Por Mottles	absence of in re Lining, M=Matr	ix)	Toyture		Romarks	
Remarks:  SOILS Profile Descri (Type: C=Concen	No primary  ption (Descri	or secondary hydro be to the depth ne etion, RM=Reduced Ma	eeded to docur	ntors were ob	evious insp served. cator or co Grains; Locat	onfirm the	absence of in e Lining, M=Matr		Texture		Remarks	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.)  0-2	No primary  ption (Descri	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)	eeded to docuratrix, CS=Covered	ment the indicated Sand Coolor (I	evious insposerved.  cator or coerains; Locat	onfirm the tion: PL=Por	absence of in e Lining, M=Matr s Type	Location	CL		Remarks	
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-2  2-6	No primary  ption (Descriptration, D=Depleter)  Hue_10YR  Hue_2.5Y	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)	eeded to docuratrix, CS=Covered    %   100   60	ment the indicated Sand Color (I	evious insposerved.  cator or coerains; Locat  Moist)	Mottles	absence of in re Lining, M=Matr s Type	Location M	CL SICL			
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-2  2-6  2-6  2-6	No primary  ption (Descriptration, D=Depletration, D=Depletration)  Hue_10YR  Hue_2.5Y  Hue_10YR	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  5/4 2/1	eeded to docur atrix, CS=Covered % 100 60 25	ment the indicated Sand Coolor (I	evious insposerved.  cator or coerains; Locat	onfirm the tion: PL=Por	absence of in e Lining, M=Matr s Type	Location	CL	Redox is present i	Remarks  n the 2.5 Y 5/4 clay loam matrix.	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10	No primary  ption (Descri tration, D=Deple  Hue_10YR  Hue_2.5Y  Hue_10YR  Hue_10YR	be to the depth ne etion, RM=Reduced Matrix  Color (Moist)  5/4 2/1 2/1	eeded to docuratrix, CS=Covered  % 100 60 25 100	ment the indicated Sand Color (I	evious insposerved.  cator or coerains; Locat  Moist)	Mottles	absence of in re Lining, M=Matr s Type	Location M	CL SICL CL C	Redox is present i		
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-2  2-6  2-6  6-10  10-21	No primary  ption (Descriptration, D=Depletration, D=Depletrat	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  5/4 2/1 2/1 6/2	eeded to docuratrix, CS=Covered    %	ment the indicated Sand Color (I	evious insposerved.  cator or coerains; Locat  Moist)	Mottles	absence of in re Lining, M=Matr s Type	Location M	CL SICL CL C SIC			
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-2  2-6  2-6  6-10  10-21  10-21	No primary  ption (Descriptration, D=Depletration, D=Depletrat	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1	eeded to docuratrix, CS=Covered    %	ment the indicated Sand Color (Indicated San	evious insposerved.  cator or coerains; Locat  Moist)  7/1  5/6	Mottles  10 5	absence of in re Lining, M=Matr s Type D C	Location M	CL SICL CL C	Redox is present i		
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-2  2-6  2-6  6-10  10-21	No primary  ption (Descriptration, D=Depletration, D=Depletrat	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1	eeded to docuratrix, CS=Covered    %	ment the indicated Sand Color (Indicated San	evious insposerved.  cator or coerains; Locat  Moist)  7/1  5/6	Mottles  10 5	absence of in re Lining, M=Matr s Type	Location M	CL SICL CL C SIC OT	CaCO3	n the 2.5 Y 5/4 clay loam matrix.	
Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-2  2-6  2-6  6-10  10-21  10-21	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y Hue_10YR Hue_2.5Y WP ic Soil Field	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1	eeded to docuratrix, CS=Covered    %	color (I Hue_2.5Y Hue_10YR	evious insperved.  cator or coerains; Locat  Moist)  7/1  5/6  ot present	Mottles  10 5	absence of in re Lining, M=Matr s Type D C	Location  M M	CL SICL C SIC OT	CaCO3	n the 2.5 Y 5/4 clay loam matrix.	
Remarks:  SOILS Profile Descripe: C=Concent  Depth (In.)  0-2  2-6  2-6  6-10  10-21  10-21  NRCS Hydri	No primary  ption (Descriptration, D=Depletration, D=Depletrat	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1 Indicators (ch	eeded to docuratrix, CS=Covered    %	color (I Hue_2.5Y Hue_10YR  dicators are r	evious inspector or coefficients; Located Moist)  7/1 5/6  ot presented edox	Mottles  10 5	absence of in re Lining, M=Matr s Type D C	Location  M M	CL SICL C SIC OT Indicators 1	CaCO3  for Problematic fluck (LRR I, J)	n the 2.5 Y 5/4 clay loam matrix.  Soils <sup>1</sup>	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	No primary  ption (Descriptration, D=Depletration, D=Depletrat	be to the depth ne etion, RM=Reduced Marix  Color (Moist)  5/4  2/1  2/1  6/2  10YR 9.5/1  Indicators (ch	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y Hue_10YR  Hue_10YR  S5 - Sandy R S6 - Stripped	evious inspectors or coefficients; Located Moist)  7/1 5/6  ot presented edox Matrix	Mottles % 10 5	absence of in re Lining, M=Matr s Type D C	Location	CL SICL C SIC OT Indicators 1 A9 - 1 cm M A16 - Coast	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox (	n the 2.5 Y 5/4 clay loam matrix.  Soils <sup>1</sup>	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	No primary  ption (Descriptration, D=Depletration, D=Depletrat	be to the depth ne etion, RM=Reduced Ma  Matrix Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1 Indicators (ch	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy M	evious inspectors or coerains; Located Moist)  7/1 5/6  ot presented Matrix Sucky Mineral	Mottles  Mottles  10  5	absence of in re Lining, M=Matr s Type D C	Location  M M	CL SICL C SIC OT  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox (  furface (LRR G)	n the 2.5 Y 5/4 clay loam matrix.  Soils <sup>1</sup> LRR F, G, H)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR All Hue_2.5Y WP ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black History A4 - Hydroger	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4  2/1  2/1  6/2  10YR 9.5/1  Indicators (ch	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G	evious inspectived.  Cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox  Matrix lucky Mineral leyed Matrix	Mottles  Mottles  10  5	absence of in re Lining, M=Matr s Type D C	Location  M M ————————————————————————————————	CL SICL C SIC OT  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox (    urface (LRR G)  Plains Depression	n the 2.5 Y 5/4 clay loam matrix.  Soils <sup>1</sup>	
Remarks:  SOILS Profile Descripe: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y WP ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mue	be to the depth ne etion, RM=Reduced Ma  Matrix  Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1  Indicators (chair)	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D	evious inspectived.  Cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox  Matrix lucky Mineral leyed Matrix Matrix ark Surface	Mottles  Mottles  10  5  t):	absence of in re Lining, M=Matr s Type D C	Location  M M	CL SICL C SIC OT  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox ( urface (LRR G)  Plains Depression  ced Vertic  Parent Material	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4  2/1  2/1  6/2  10YR 9.5/1  Indicators (chained in Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F3 - Depleted F6 - Redox D F7 - Depleted	evious inspectors or contract of present decky Mineral leyed Matrix Matrix ark Surface Dark Surface	Mottles  Mottles  10  5  t):	absence of in re Lining, M=Matr s Type D C	Location	CL SICL C SIC OT  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox ( urface (LRR G)  Plains Depression  ced Vertic  Parent Material  Shallow Dark S	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1 Indicators (chair)  ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface eark Surface	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	evious inspectived.  Cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox  Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottles  Mottles  10  5  t):	absence of ingeneral metals and the second s	Location	CL SICL C SIC OT  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox ( urface (LRR G)  Plains Depression  ced Vertic  Parent Material	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4  2/1  2/1  6/2  10YR 9.5/1  Indicators (chair)  ipedon stic on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ark Surface ark Surface ark Surface ark Mineral	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	evious inspectived.  Cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox  Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottles  Mottles  10  5  t):	absence of in re Lining, M=Matr s Type D C	Location	CL SICL C SIC OT  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox ( urface (LRR G)  Plains Depression  ced Vertic  Parent Material  Shallow Dark S	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)	
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1 Indicators (chair)  ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface eark Surface	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	evious inspectived.  Cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox  Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottles  Mottles  10  5  t):	absence of ingeneral metals and the second s	Location	CL SICL C SIC OT  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	CaCO3  for Problemation fluck (LRR I, J) t Prairie Redox (curface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)	sent,
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1  Indicators (chair)  ipedon etic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LR	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	evious inspectived.  Cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox  Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottles  Mottles  10  5  t):	absence of ingeneral metals and the second s	Location	CL SICL C SIC OT  Indicators of A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	CaCO3  for Problemation fluck (LRR I, J) t Prairie Redox (curface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  urface	sent,
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_2.5Y WP ic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mue A11 - Deplete A12 - Thick D S1 - Sandy Me S2 - 2.5 cm Me S3 - 5 cm Mue S3 - 5 cm Mue	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1  Indicators (chair)  ipedon etic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LR	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	evious inspectived.  Cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox  Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottles  Mottles  10  5  t):	absence of ingenerating the Lining, M=Matros  Type  D C	Location	CL SICL C SIC OT  Indicators of A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox ( curface (LRR G)  Plains Depression  ced Vertic  Parent Material  y Shallow Dark S  pain in Remarks)	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  urface	esent,
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Hue_10YR Hue	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4 2/1 2/1 6/2 10YR 9.5/1  Indicators (chair)  ipedon etic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LR	eeded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	evious inspectived.  Cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox  Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface epressions	Mottles  Mottles  10  5  t):	absence of ing M=Matrons Type  D C	Location	CL SICL C SIC OT  Indicators of A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	CaCO3  for Problemation  fuck (LRR I, J)  t Prairie Redox ( curface (LRR G)  Plains Depression  ced Vertic  Parent Material  y Shallow Dark S  pain in Remarks)	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  urface	esent,
Remarks:  SOILS Profile Descri (Type: C=Concent  Depth (In.) 0-2 2-6 2-6 6-10 10-21 10-21 NRCS Hydri	Ption (Descriptration, D=Deplementation, D=Deple	be to the depth ne etion, RM=Reduced Marix  Matrix  Color (Moist)  5/4  2/1  2/1  6/2  10YR 9.5/1  Indicators (chair)  ipedon stic on Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ark Surface ark Surface ark y Peat or Peat (LRF eyed Matrix	eded to docuratrix, CS=Covered    %	color (I  Hue_2.5Y  Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pla	cator or coerains; Locat  Moist)  7/1  5/6  ot present  edox Matrix lucky Mineral leyed Matrix ark Surface Dark Surface pressions ains Depress	Mottles  Mottles	absence of ing the Lining, M=Matros  Type  D C  Hydric So	Location  M M  H  H  H  II Present?	CL SICL C SIC OT  Indicators of A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	CaCO3  for Problematic fuck (LRR I, J) t Prairie Redox ( urface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark S ain in Remarks)  hydrophytic vegetatived or problematic.	n the 2.5 Y 5/4 clay loam matrix.  Soils  LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  urface	esent,

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

Project/Site:	L3R				Sample Point: u-155n45w28-c1
					•
<b>VEGETATIO</b>	N (Species identified in all uppercase a	re non-native	species.)		
Tree Stratum	(Plot size: 30 ft. radius)				
	Species Name	% Cover	<u>Dominant</u>	Ind.Status	Dominance Test Worksheet
1.					
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 1 (B)
5.					<u> </u>
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					(742)
8.					Prevalence Index Worksheet
9.					Testal (Course of the Course o
10.					Total % Cover of:  Multiply by:
10.	Total Cover				$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	Total Cover =	0	_		FACW spp. $0 \times 2 = 0$
0 " (0)					Notal % Cover of:       Multiply by:         OBL spp.       0       x 1 =       0         FACW spp.       0       x 2 =       0         FAC spp.       0       x 3 =       0         FACU spp.       0       x 4 =       0         UPL spp.       90       x 5 =       450
_	Stratum (Plot size: 15 ft. radius)				FACU spp. 0 X 4 = 0
1.					UPL spp. $90   X   5 = 450$
2.					
3.					Total 90 (A) 450 (B)
4.					
5.					Prevalence Index = $B/A = 5.000$
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Rapid Test for Hydrophytic Vegetation
10.					Dominance Test is > 50%
10.	 Total Cover =	0			Prevalence Index is ≤ 3.0 *
	Total Gover =		_		
Llad Otas ( as /	District of Grand Production				Morphological Adaptations (Explain) *
	Plot size: 5 ft. radius)			N.II	Problem Hydrophytic Vegetation (Explain) *
1.	Glycine max	90	Y	NI	
2.					* 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.					Woody Vines - All woody vines, regardless of height.
15.					Woody Vines - All woody vines, regardless of fielgrit.
	Total Cover =	90	_		
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.		_			
2.					
3.					Hydrophytic Vegetation Present? N
5.					
4.					
	Total Cover =	0			
Remarks:	Soybean is the only plant at the sample poin				
	23,232 is the strip plant at the sumple poil				
	_				
Additional F	Remarks:				