## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	06/24/14	'
Applicant:		Enbridge								County:	Marshall	
Investigators		KRG/NTT			Subregio	•	₹ or LRR):	MLRA 56		State:	MN	
Soil Unit:	I15A			<u> </u>			I Classification:					
Landform:	Talf		10.0		ocal Relief:		7004			Sample Point:	u-156n46w28-c1	
Slope (%):	0 - 2%	. P.C	Latitude: 48.3		Longitude			<u>Datum:</u>				
		nditions on the sit							□ No	Section:		
Are Vegetation		□, or Hydrology	•			Are	e normal circun	•	esent?	Township:		
Are Vegetation		□, or Hydrology	□aturally pro	oblematic?			Yes	□ No		Range:	Dir:	
SUMMARY C									L D	NI		
Hydrophytic '			No		_				ls Present?		otlered? No	
	drology Prese		No	al field plant	a al 4 a a a vib a			is this Sai	mpling Poin	nt Within A W	etland? <b>No</b>	
Remarks:	rne upiana	point is located in	an agricultura	ai field planti	ed to soybe	ans.						
LIVERGLOO	V											
HYDROLOG	Y											
_		icators (Check all	I that apply; M	inimum of o	ne primary	or two s	econdary requi	red):				
Primary:	_			_	544 64	•			Secondary:			
	A1 - Surface \A2 - High Wa				⊢ B11 - Salt ⊢ B13 - Aqua		<b>.</b>			B6 - Surface S		
	A3 - Saturatio				C1 - Hydro					B10 - Orainage	Vegetated Concave Surface	
	B1 - Water M				C2 - Dry S						Rhizospheres on Living Roots (ti	illed)
	B2 - Sedimen				C3 - Oxidiz	zed Rhizos	spheres on Living	Roots (not till	• 🗆	C8 - Crayfish E	Burrows	,
	B3 - Drift Dep						educed Iron				n Visible on Aerial Imagery	
	B4 - Algal Ma B5 - Iron Dep				C7 - Thin N		ace			D2 - Geomorp D5 - FAC-Neu		
		อรแร on Visible on Aerial Im	nagery	Ц	Other (Exp	nairi)					aved Hummocks (LRR F)	
	B9 - Water-St		ago.y						_	27 110011100		
Field Observ	vations:											
Surface Wat	er Present?	Yes □	Depth	n:	(in.)			\A/-4	l l	D	N1	
Water Table	Present?	Yes □	Depth		— (in.)			wetiand F	lydrology l	Present?	N	
Saturation P	resent?	Yes □	Depth	·-	— /in \							
		163	Бери	1	(in.)							
			<u> </u>			ections)	if available:					
Describe Rec	orded Data (s	stream gauge, mon	itoring well, ae	rial photos, p		ections),	, if available:					
	orded Data (s		itoring well, ae	rial photos, p		pections),	, if available:					
Describe Rec	orded Data (s	stream gauge, mon	itoring well, ae	rial photos, p		pections),	, if available:					
Describe Reconstruction Remarks:	orded Data (s No wetland	stream gauge, mon hydrology indicato	itoring well, ae	rial photos, p	revious insp			dicators.)				
Describe Reconstruction Remarks:  SOILS Profile Descri	orded Data (s  No wetland  iption (Descri	stream gauge, mon	itoring well, ae ors were obse	rial photos, p	previous insp	onfirm th	e absence of in					
Describe Reconstruction Remarks:  SOILS Profile Descri	orded Data (s  No wetland  iption (Descri	hydrology indicated be to the depth neetion, RM=Reduced M	itoring well, ae ors were obse	rial photos, p	previous insp	onfirm th	e absence of in					
Describe Reconstruction Remarks:  SOILS Profile Descri	orded Data (s  No wetland  iption (Descri	stream gauge, mon hydrology indicate be to the depth ne	itoring well, ae ors were obse	rial photos, p	previous insp	onfirm th	e absence of in Pore Lining, M=Matr					
Describe Reconstruction Remarks:  SOILS Profile Descri	orded Data (s  No wetland  iption (Descri	hydrology indicated be to the depth neetion, RM=Reduced M	itoring well, ae ors were obse	rial photos, p rved. ment the inc	previous insp	onfirm th	e absence of in Pore Lining, M=Matr		Texture		Remarks	
Describe Reconstruction Remarks:  SOILS Profile Description (Type: C=Concert	orded Data (s  No wetland  iption (Descri	hydrology indicate be to the depth neetion, RM=Reduced M  Matrix Color (Moist)	ors were obse eeded to docu	rial photos, p rved. ment the incoded/Coated Sand	dicator or co	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr	ix)	Texture SCL		Remarks	
Describe Reconstruction Remarks:  SOILS Profile Descripe: C=Concerton	orded Data (s  No wetland  iption (Descri	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)	itoring well, ae ors were obse eeded to docu	rial photos, p rved. ment the incod/Coated Sand	dicator or co	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr	ix)			Remarks	
Describe Reconstruction Remarks:  SOILS Profile Description Care Care Care Care Care Care Care Care	iption (Descrintration, D=Depl	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)	eeded to doculatrix, CS=Covere	rial photos, p rved. ment the incod/Coated Sand	dicator or co	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr	ix)	SCL		Remarks	
Describe Reconstruction Remarks:  SOILS Profile Description Care Care Care Care Care Care Care Care	iption (Descrintration, D=Depl	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)	eeded to doculatrix, CS=Covere	rial photos, p rved. ment the incod/Coated Sand	dicator or co	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr	ix)	SCL		Remarks	
Describe Reconstruction Remarks:  SOILS Profile Description Care Care Care Care Care Care Care Care	iption (Descrintration, D=Depl	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)	eeded to doculatrix, CS=Covere	rial photos, p rved. ment the incod/Coated Sand	dicator or co	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr	ix)	SCL		Remarks	
Describe Reconstruction Remarks:  SOILS Profile Description Care Care Care Care Care Care Care Care	iption (Descrintration, D=Depl	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)	eeded to doculatrix, CS=Covere	rial photos, p rved. ment the incod/Coated Sand	dicator or co	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr	ix)	SCL		Remarks	
Describe Recordance Remarks:  SOILS Profile Descripe: C=Concerdance C=Co	iption (Descrintration, D=Depl	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)  2/1  4/1	eeded to doculatrix, CS=Covere	rial photos, p	dicator or co	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr	ix)	SCL		Remarks	
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18	iption (Descrintration, D=Depl	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)  2/1  4/1	eeded to doculatrix, CS=Covere	rial photos, p	dicator or co	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr es Type	ix)	SCL FS	or Problematic		
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18  NRCS Hydr	iption (Descrintration, D=Depl	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)  2/1  4/1	eeded to doculatrix, CS=Covere	rial photos, p rved.  ment the inc d/Coated Sand  Color  dicators are	dicator or condicator or condi	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr es Type	Location	SCL FS	or Problemation		
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18	iption (Description, Deplementation, Deplementation, Deplementation)  Hue_10YR Hue_10YR Hue_10YR	hydrology indicate be to the depth neetion, RM=Reduced M  Matrix Color (Moist)  2/1  4/1  Indicators (ch	eeded to doculatrix, CS=Covere	rial photos, p	dicator or condicator or condi	onfirm th tion: PL=P Mottl	e absence of in Pore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F	luck (LRR I, J) Prairie Redox (L	c Soils <sup>1</sup>	
Describe Reco	iption (Description, Depoint ation,	hydrology indicate be to the depth neetion, RM=Reduced M  Matrix Color (Moist)  2/1 4/1  Indicators (chaine)	eeded to doculatrix, CS=Covere	rial photos, p rved.  ment the inc d/Coated Sand  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy	mot presented Matrix Mucky Miner	mottl  Mottl  w tion: PL=P	e absence of in Pore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St	luck (LRR I, J) Prairie Redox (L urface (LRR G)	c Soils <sup>1</sup> .RR F, G, H)	
Describe Reco	iption (Descrintration, D=Deplementation, D=Deplementation)  Hue_10YR  Hue_10YR  Hue_10YR  A1- Histosol A2 - Histic Ep A3 - Black Historogen A4 - Hydrogen	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)  2/1  4/1  Indicators (chain)	eeded to doculatrix, CS=Covere	rial photos, p rved.  ment the incod/Coated Sand  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy	mot presented Matrix Mucky Miner Gleyed Matrix	mottl  Mottl  w tion: PL=P	e absence of in Pore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressio	c Soils <sup>1</sup>	
Describe Reco	iption (Description, Depoint Intration, Depoint Int	hydrology indicate be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)  2/1 4/1  Indicators (chain in Sulfide Layers (LRR F)	eeded to doculatrix, CS=Covere	rial photos, p rved.  ment the inced/Coated Sand  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete	mot presented Matrix Mucky Miner Gleyed Matrix Ed Matrix	mottl  Mottl  %  t):	e absence of in Pore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduce	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressio ced Vertic	c Soils <sup>1</sup> .RR F, G, H)	
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18  NRCS Hydr	iption (Descrintration, D=Deplementation, D=Depl	hydrology indicate be to the depth neetion, RM=Reduced M  Matrix Color (Moist)  2/1 4/1  Indicators (chain ipedon stice in Sulfide Layers (LRR F) ck (LRR FGH)	eeded to doculatrix, CS=Covere	rial photos, p rved.  ment the incode declared Sand  Color  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox	mot present Mucky Miner Gleyed Matrix Dark Surface	mottl  Mottl  // // // // // // // // // // // // /	e absence of in Pore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression red Vertic Parent Material	c Soils <sup>1</sup> LRR F, G, H)  DNS (LRR H, outisde MLRA 72, 73)	
Describe Reco	iption (Descrintration, D=Deplementation, D=Depl	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)  2/1  4/1  Indicators (chain Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	eeded to doculatrix, CS=Covere	rial photos, p rved.  ment the incode decorated Sand  Color  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete	mot presented Matrix Mucky Miner Gleyed Matrix Ed Matrix	mottl  Mottl  %  t):  al  x  ace	e absence of in Pore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depressio ced Vertic	c Soils <sup>1</sup> LRR F, G, H)  DNS (LRR H, outisde MLRA 72, 73)	
Describe Recordance Remarks:  SOILS Profile Descripor (Type: C=Concerdance)  Depth (In.) 0-10 10-18	iption (Descrintration, D=Deplementation, D=Deplementation)  Hue_10YR  Hue_10YR  Hue_10YR  A1- Histosol A2 - Histic Ep A3 - Black History A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete	hydrology indicate be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)  2/1  4/1  Indicators (chain in Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface	itoring well, ae ors were obse eeded to doculatrix, CS=Covere  % 100 100 neck here if ince	rial photos, p rved.  ment the inced/Coated Sand  Color  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox	mot present Mucky Miner Gleyed Matrix Dark Surfaced Dark Surfaced Depressions	mottl  Mottl  %  t):	e absence of in Pore Lining, M=Matr es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark S	c Soils <sup>1</sup> LRR F, G, H)  DNS (LRR H, outisde MLRA 72, 73)	
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18	iption (Descrintration, D=Deplementation, D=Deplementation)  Hue_10YR  Hue_10YR  Hue_10YR  Hue_10YR  A1- Histosol A2 - Histic Ep A3 - Black History A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	be to the depth neetion, RM=Reduced M  Matrix  Color (Moist)  2/1  4/1  Indicators (chain Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (L	itoring well, ae ors were obse eeded to doculatrix, CS=Covere    %	rial photos, p rved.  ment the inced/Coated Sand  Color  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox	mot present Mucky Miner Gleyed Matrix Dark Surfaced Dark Surfaced Depressions	mottl  Mottl  %  t):	es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Red Vertic Parent Material Shallow Dark S Rain in Remarks)	c Soils <sup>1</sup> LRR F, G, H)  DONS (LRR H, outisde MLRA 72, 73)  Surface	
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR 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 S3 - 5 cm Mu	hydrology indicators be to the depth neetion, RM=Reduced M  Matrix Color (Moist)  2/1 4/1  Indicators (chair)  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LR) cky Peat or Peat (LR) cky Peat or Peat (LR)	itoring well, ae ors were obse eeded to doculatrix, CS=Covere    %	rial photos, p rved.  ment the inced/Coated Sand  Color  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox	mot present Mucky Miner Gleyed Matrix Dark Surfaced Dark Surfaced Depressions	mottl  Mottl  %  t):	es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	c Soils <sup>1</sup> LRR F, G, H)  DNS (LRR H, outisde MLRA 72, 73)	·sent,
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18	iption (Descrintration, D=Deplementation, D=Deplementation)  Hue_10YR  Hue_10YR  Hue_10YR  Hue_10YR  A1- Histosol A2 - Histic Ep A3 - Black History A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M	hydrology indicators be to the depth neetion, RM=Reduced M  Matrix Color (Moist)  2/1 4/1  Indicators (chair)  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LR) cky Peat or Peat (LR) cky Peat or Peat (LR)	itoring well, ae ors were obse eeded to doculatrix, CS=Covere    %	rial photos, p rved.  ment the inced/Coated Sand  Color  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox	mot present Mucky Miner Gleyed Matrix Dark Surfaced Dark Surfaced Depressions	mottl  Mottl  // // // // // // // // // // // // /	es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression Red Vertic Parent Material Shallow Dark S Rain in Remarks)	c Soils <sup>1</sup> LRR F, G, H)  DONS (LRR H, outisde MLRA 72, 73)  Surface	sent,
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR 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 S3 - 5 cm Mu	hydrology indicators be to the depth neetion, RM=Reduced M  Matrix Color (Moist)  2/1 4/1  Indicators (chair)  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LR) cky Peat or Peat (LR) cky Peat or Peat (LR)	itoring well, ae ors were obse eeded to doculatrix, CS=Covere    %	rial photos, prved.  ment the incode decorated Sand  Color  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox F16 - High F	mot present Mucky Miner Gleyed Matrix Dark Surfaced Dark Surfaced Depressions Plains Depressions	mottl  Mottl  // // // // // // // // // // // // /	es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	c Soils <sup>1</sup> LRR F, G, H)  DONS (LRR H, outisde MLRA 72, 73)  Surface	sent,
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR 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 S3 - 5 cm Mu S4 - Sandy G	hydrology indicators be to the depth neetion, RM=Reduced M  Matrix Color (Moist)  2/1 4/1  Indicators (chair)  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LR) cky Peat or Peat (LR) cky Peat or Peat (LR)	itoring well, ae ors were obse eeded to doculatrix, CS=Covere    %	rial photos, p rved.  ment the inced/Coated Sand  Color  Color  dicators are  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox	mot present Mucky Miner Gleyed Matrix Dark Surfaced Dark Surfaced Depressions Plains Depressions	mottl  Mottl  // // // // // // // // // // // // /	es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	c Soils <sup>1</sup> LRR F, G, H)  DONS (LRR H, outisde MLRA 72, 73)  Surface	esent,
Describe Recordance Remarks:  SOILS Profile Descripation (Type: C=Concerdance)  Depth (In.) 0-10 10-18  NRCS Hydr	iption (Descrintration, D=Deplementation, D=Deplementation)  Hue_10YR  Hue_10YR  Hue_10YR  Hue_10YR  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 S3 - 5 cm Mu S4 - Sandy G  Type:	hydrology indicators be to the depth neetion, RM=Reduced M  Matrix Color (Moist)  2/1 4/1  Indicators (chair)  ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface ark Surface ucky Mineral flucky Peat or Peat (LR) cky Peat or Peat (LR) cky Peat or Peat (LR)	meck here if inches and a second seco	rial photos, prved.  ment the incod/Coated Sand  Color  Color  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox F16 - High F	mot present Mucky Miner Gleyed Matrix Dark Surface Matrix Depressions Plains Depressions	mottl // // // // // // // // // // // // //	es Type	Location	Indicators f A9 - 1 cm M A16 - Cost F S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain	luck (LRR I, J) Prairie Redox (L urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark Seain in Remarks)	c Soils <sup>1</sup> LRR F, G, H)  DONS (LRR H, outisde MLRA 72, 73)  Surface	esent,

## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:	L3R				Sample Point: u-156n46w28-c1
					· •
<b>VEGETATIO</b>	(Species identified in all uppercase ar	e 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: 1 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 2 (B)
5.					<del></del> ` ' '
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
7.					(742)
8.					Prevalence Index Worksheet
9.					<b>1</b>
10.					Total % Cover of:  Multiply by:
10.	 Total Cover =	0			Total % Cover of:       Multiply by:         OBL spp.       0       x 1 = 0         FACW spp.       0       x 2 = 0         FAC spp.       5       x 3 = 15         FACU spp.       2       x 4 = 8         UPL spp.       10       x 5 = 50
	Total Cover =		<u> </u>		FACW Spp. $0 \times 2 = 0$
0 1: (0) 1 (	2 (D)				FAC spp. $\frac{5}{3}$ $\times 3 = \frac{15}{3}$
	Stratum (Plot size: 15 ft. radius)				FACU spp. 2 X 4 = 8
1.					UPL spp10
2.					
3.	<u> </u>				Total 17 (A) 73 (B)
4.					
5.					Prevalence Index = B/A = <u>4.294</u>
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 (	Plot size: 5 ft. radius)				Problem Hydrophytic Vegetation (Explain) *
1.	Glycine max	10	Υ	NI	110bletti 11ydropriytto Vegetation (Explain)
2.		5	Y	FAC	* Indicators of hydric soil and wetland hydrology must be
3.	Equisetum arvense		 N	FACU	<b>-</b>
	Elymus repens	2	IN	FACU	· · · · · · · · · · · · · · · · · · ·
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.					<b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.
13.					7
14.					1
15.					Woody Vines - All woody vines, regardless of height.
	Total Cover =	17			1
	10(4) 00/01 =		_		
Moody Vino St	ratum (Plot size: 30 ft. radius)				
1.	ratum (Flot Size. 30 it. radius)				
2.				_	
					Undrankatia Vanatatian Propenta
3.					Hydrophytic Vegetation Present?N
5.					
4.					
	Total Cover =				
Remarks:	Vegetation is sparse due to the location in a	cultivated t	field. Vege	tation is c	dominated by young soybean seedlings.
Additional R	Remarks:				
I					