## WETLAND DETERMINATION DATA FORM Great Plains Region

Project/Site:		L3R								Date:	09/11/14
Applicant:	• •									County:	Pennington
Investigators		RAJ/BEH/MRK			Subregio	•	or LRR):	MLRA 56		State:	MN
Soil Unit:	166A						I Classification	·			
Landform:	Talf		10.10		cal Relief:					Sample Point	u-154n45w13-c1
Slope (%):	0 - 2%		atitude: 48.16		Longitude:			<u>Datum:</u>		4	
		onditions on the site	<u> </u>		ar? (If no, exp	1	· · · · · · · · · · · · · · · · · · ·		□ No	Section:	
Are Vegetation		, ,	⊐significantly			Are	e normal circun	-	esent?	Township:	
Are Vegetation			⊐aturally pro	blematic?				□ No		Range:	Dir:
SUMMARY C									L D		
Hydrophytic \	•		No		-				Is Present?		- (1
Wetland Hyd			No	la a suda sana	Therese	- ( - () ! -	and a female and female			nt Within A W	
Remarks:	An upland	point in a cultivated f	riela plantea	to soybeans	ine veg	etation is	s disturbed fron	n nerbicide	use, and th	e soils are dis	sturbed from tillage.
LIVERGLOOV	<b>V</b>										
HYDROLOG	Y										
_	•	l <b>icators</b> (Check all tl	hat apply; Mi	nimum of or	e primary	or two se	econdary requi	red):			
Primary:	_	<b>NA</b>		_	544 6 1	•			Secondary		
<ul><li>□ A1 - Surface Water</li><li>□ A2 - High Water Table</li></ul>					B11 - Salt ( B13 - Aqua					B6 - Surface S	
	A3 - Saturation				C1 - Hydro					B10 - Drainage	Vegetated Concave Surface
	B1 - Water M				C2 - Dry S						Rhizospheres on Living Roots (tilled)
	B2 - Sedimer	•			C3 - Oxidiz	ed Rhizos	spheres on Living	Roots (not till	le 🗆	C8 - Crayfish I	Burrows
	B3 - Drift Dep						duced Iron				Nisible on Aerial Imagery
	B4 - Algal Ma				C7 - Thin N		ace			D2 - Geomorp D5 - FAC-Neu	
	B5 - Iron Dep	oosiis on Visible on Aerial Ima	gerv	П	Other (Exp	nain)					aved Hummocks (LRR F)
		tained Leaves	gory						_	<i>D1</i> 110001100	avod Hammooko (EKKY)
Field Observ	vations:										
Surface Wate	er Present?	Yes □	Depth	:	(in.)			<b>VA</b> / - 41 1 1		D	
Water Table		Yes □	Depth		- (in.)			Wetland F	Hydrology	Present?	N
Saturation Pr	resent?	Yes □	Depth		(in.)						<del>_</del>
Describe Reco	orded Data (	stream gauge monito	ring well ser	ial photos pr	avious inst	ections)	if available:				
		stream gauge, monito			evious insp	ections),	if available:				
Describe Reco		stream gauge, monitors of wetland hydrological			evious insp	ections),	if available:				
Remarks:					evious insp	ections),	if available:				
Remarks:	No indicato	rs of wetland hydrolo	ogy are pres	ent.				ndicators.)			
Remarks:  SOILS Profile Descri	No indicato		ogy are pres	ent. ment the indi	cator or co	onfirm th	e absence of ir				
Remarks:  SOILS Profile Descri	No indicato	rs of wetland hydrological representations of the depth nee	ogy are pres	ent. ment the indi	cator or co	onfirm th	e absence of ir				
Remarks:  SOILS Profile Descri	No indicato	rs of wetland hydrological representations of the depth nee	ogy are pres	ent. ment the indi	cator or co	onfirm th	e absence of ir ore Lining, M=Matr				
Remarks:  SOILS Profile Descri	No indicato	rs of wetland hydrological ibe to the depth nee letion, RM=Reduced Mate	ogy are pres	ent. ment the indi	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	ibe to the depth nee letion, RM=Reduced Mate Matrix Color (Moist)	ogy are pres	ent. ment the indi	cator or co Grains; Loca	onfirm the	e absence of in ore Lining, M=Matr	ix)	Texture		Remarks
Remarks:  SOILS Profile Descri (Type: C=Concer	No indicato	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1	ded to docurrix, CS=Covered	ent. ment the indi	cator or co Grains; Loca Moist)	onfirm the	e absence of in ore Lining, M=Matr	ix)	Texture C C	with gravel and si	Remarks cones, redox in vertical streaks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10	No indicato ption (Description, D=Dep	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1	ded to docurrix, CS=Covered %	ent. ment the indi d/Coated Sand  Color ( Hue_10YR	cator or co Grains; Loca Moist)	onfirm the tion: PL=P Mottle	e absence of ir ore Lining, M=Matr es Type	Location	Texture C C	with gravel and so	
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10	No indicato ption (Description, D=Dep	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1	ded to docurrix, CS=Covered %	ent. ment the indid/Coated Sand  Color (  Hue_10YR  Hue_10YR	cator or co Grains; Loca Moist) 5/6 2/1	Mottle 10	e absence of inore Lining, M=Matrees  Type  C	Location  M	Texture C C C	vertical streaks	ones, redox in vertical streaks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10	No indicato ption (Description, D=Dep	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1	ded to docurrix, CS=Covered %	ent. ment the indi d/Coated Sand  Color ( Hue_10YR	cator or co Grains; Loca Moist) 5/6 2/1	Mottle %	e absence of inore Lining, M=Matres  es  Type  C  C	Location  M M	Texture C C C		ones, redox in vertical streaks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10	No indicato ption (Description, D=Dep	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1	ded to docurrix, CS=Covered %	ent. ment the indid/Coated Sand  Color (  Hue_10YR  Hue_10YR	cator or co Grains; Loca Moist) 5/6 2/1	Mottle %	e absence of inore Lining, M=Matres  es  Type  C  C	Location  M M	Texture C C C	vertical streaks	ones, redox in vertical streaks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18	No indicato  ption (Description, D=Dep  Hue_10YR Hue_2.5Y	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2	ded to docurrix, CS=Covered 100 75	color ( Hue_10YR Hue_2.5Y	Cator or co Grains; Loca Moist) 5/6 2/1 8/1	Mottle 10 10 5	e absence of ir ore Lining, M=Matr es Type C C C	Location  M M	Texture C C C	vertical streaks	ones, redox in vertical streaks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10	No indicato  ption (Description, D=Dep  Hue_10YR Hue_2.5Y	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2	ded to docurrix, CS=Covered %	color ( Hue_10YR Hue_2.5Y	Cator or co Grains; Loca Moist) 5/6 2/1 8/1	Mottle 10 10 5	e absence of inore Lining, M=Matres  es  Type  C  C	Location  M M	C C C	vertical streaks irregular white pa	tones, redox in vertical streaks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	No indicato  ption (Description, D=Dep  Hue_10YR Hue_2.5Y	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2	ded to docurrix, CS=Covered 100 75	color ( Hue_10YR Hue_2.5Y  dicators are r	cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen	Mottle 10 10 5	e absence of ir ore Lining, M=Matr es Type C C C	Location  M M	C C C	vertical streaks irregular white pa	tones, redox in vertical streaks
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18	No indicato  ption (Description, D=Dep  Hue_10YR Hue_2.5Y	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2  I Indicators (che	ded to docurrix, CS=Covered 100 75	color ( Hue_10YR Hue_2.5Y	cator or co Grains; Loca Moist)  5/6  2/1  8/1  not presen	Mottle 10 10 5	e absence of ir ore Lining, M=Matr es Type C C C	Location  M M M	C C C C Indicators	vertical streaks irregular white pa	cones, redox in vertical streaks tches  C Soils <sup>1</sup>
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  Tic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1  6/2  I Indicators (che	ded to docurrix, CS=Covered 100 75	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N	cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix fucky Miner	Mottle  Mottle  10  10  5  t):	e absence of ir ore Lining, M=Matr es Type C C C	Location  M  M  M	C C C C Indicators: A9 - 1 cm M A16 - Coast S7 - Dark S	vertical streaks irregular white pa  for Problemation fuck (LRR I, J) t Prairie Redox ( surface (LRR G)	cones, redox in vertical streaks  tches  C Soils <sup>1</sup> (LRR F, G, H)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2  I Indicators (che	ded to docurrix, CS=Covered  % 100 75  ck here if inceed	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O	Cator or configurations; Local  Moist)  5/6 2/1 8/1  not presented with the configuration of	Mottle  Mottle  10  10  5  t):	e absence of ir ore Lining, M=Matr es Type C C C	Location  M M M	C C C C Manual Construction of the constructio	vertical streaks irregular white pa  for Problematic fluck (LRR I, J) t Prairie Redox ( curface (LRR G) Plains Depression	cones, redox in vertical streaks tches  C Soils <sup>1</sup>
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2  I Indicators (che dispedon stice in Sulfide di Layers (LRR F)	ded to documents, CS=Covered % 100 75	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Mineral	Mottle % 10 10 5 t):	e absence of ir ore Lining, M=Matr es Type C C C	Location  M M M	C C C C Manual And Andrews And And Andrews And Andrews	vertical streaks irregular white pa  for Problemation fuck (LRR I, J) t Prairie Redox (curface (LRR G) Plains Depression ced Vertic	cones, redox in vertical streaks  tches  C Soils <sup>1</sup> (LRR F, G, H)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	ibe to the depth nee letion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1 6/2  I Indicators (che disconstice in Sulfide disconstitution in Sulfide discon	ded to docurrix, CS=Covered  % 100 75  ck here if inceed	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Mineral Gleyed Matrix Matrix ark Surface	Mottle  Mottle  10  10  5  t):	e absence of ir ore Lining, M=Matr es Type C C C	Location  M M M	C C C C C A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F	vertical streaks irregular white pa  for Problematic fuck (LRR I, J) t Prairie Redox ( curface (LRR G) Plains Depression ced Vertic Parent Material	cones, redox in vertical streaks  tches  C Soils¹  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete	ibe to the depth nee letion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1 6/2  I Indicators (che depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2  Layers (LRR F) Layers (LRR F) Layers (LRR FGH) Let Below Dark Surface	ded to documents, CS=Covered % 100 75	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O F3 - Depleted F6 - Redox D F7 - Depleted	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Minera Gleyed Matrix Hark Surface	Mottle  Mottle  10  10  5  t):	e absence of ir ore Lining, M=Matr es Type C C C	Location  M M M	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	vertical streaks irregular white pa  for Problematic fluck (LRR I, J) t Prairie Redox (curface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark S	cones, redox in vertical streaks  tches  C Soils¹  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu	ibe to the depth nee letion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1 6/2  Indicators (che depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2  Layers (LRR F) Layers (LRR F) Layers (LRR FGH)	ded to documents, CS=Covered % 100 75	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Mineral Bleyed Matrix ark Surface ark Surface Dark Surface	Mottle % 10 10 5 t):	e absence of ir ore Lining, M=Matr es Type C C C	Location	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	vertical streaks irregular white pa  for Problematic fuck (LRR I, J) t Prairie Redox ( curface (LRR G) Plains Depression ced Vertic Parent Material	cones, redox in vertical streaks  tches  C Soils¹  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M	ibe to the depth nee letion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1 6/2  I Indicators (che bipedon stic en Sulfide di Layers (LRR F) lick (LRR FGH) led Below Dark Surface Dark Surface ducky Mineral Mucky Peat or Peat (LR	ded to documents, CS=Covered  % 100 75  ck here if ince	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Mineral Bleyed Matrix ark Surface ark Surface Dark Surface	Mottle % 10 10 5 t):	e absence of inore Lining, M=Matroes  Type  C C C	Location	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	vertical streaks irregular white pa  for Problematic fluck (LRR I, J) t Prairie Redox (curface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark S	cones, redox in vertical streaks  tches  C Soils¹  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  Tic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	ibe to the depth nee letion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  6/2  Indicators (che layers (LRR F) lick (LRR FGH) led Below Dark Surface lucky Mineral Mucky Peat or Peat (LRR RICK)	ded to documents, CS=Covered  % 100 75  ck here if ince	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Mineral Bleyed Matrix ark Surface ark Surface Dark Surface	Mottle % 10 10 5 t):	e absence of inore Lining, M=Matroes  Type  C C C	Location	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	vertical streaks irregular white pa  for Problematic fuck (LRR I, J) t Prairie Redox (curface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	cones, redox in vertical streaks  tches  C Soils¹  (LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M	ibe to the depth nee letion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  6/2  Indicators (che layers (LRR F) lick (LRR FGH) led Below Dark Surface lucky Mineral Mucky Peat or Peat (LRR RICK)	ded to documents, CS=Covered  % 100 75  ck here if ince	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Mineral Bleyed Matrix ark Surface ark Surface Dark Surface	Mottle % 10 10 5 t):	e absence of inore Lining, M=Matroes  Type  C C C	Location	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	vertical streaks irregular white pa  for Problematic fuck (LRR I, J) t Prairie Redox ( surface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	cones, redox in vertical streaks  tches  C Soils¹  (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  Tic Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu	ibe to the depth nee letion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  6/2  Indicators (che layers (LRR F) lick (LRR FGH) led Below Dark Surface lucky Mineral Mucky Peat or Peat (LRR RICK)	ded to documents, CS=Covered  % 100 75  ck here if ince	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Mineral Bleyed Matrix ark Surface ark Surface Dark Surface	Mottle % 10 10 5 t):	e absence of inore Lining, M=Matroes  Type  C C C	Location	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	vertical streaks irregular white pa  for Problematic fuck (LRR I, J) t Prairie Redox (curface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	cones, redox in vertical streaks  tches  C Soils¹  (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm M S4 - Sandy G	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2  Indicators (che depth nee letion, RM=Reduced Matrix  Color (Moist)  (che letion (Che letion) (che leti	ded to documents, CS=Covered  % 100 75  ck here if ince	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D	Cator or co Grains; Loca Moist)  5/6 2/1 8/1  not presen edox Matrix Mucky Mineral Bleyed Matrix Matrix For Surface To Dark Surface Pepressions A Depressions A Depressions	Mottle % 10 10 5 t):	e absence of inore Lining, M=Matroes  Type  C C C C A C	Location	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	vertical streaks irregular white pa  for Problematic fuck (LRR I, J) t Prairie Redox (curface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks)	cones, redox in vertical streaks  tches  C Soils¹  (LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface
Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-10 10-18  NRCS Hydr	Hue_10YR Hue_2.5Y  Hue_2.5Y  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm M S4 - Sandy G Type:	ibe to the depth nee letion, RM=Reduced Matrix  Color (Moist)  2/1 6/2  I Indicators (che di Layers (LRR F) lick (LRR FGH) led Below Dark Surface flucky Mineral Mucky Peat or Peat (LRR Eleyed Matrix	ded to documents, CS=Covered    %	color ( Hue_10YR Hue_10YR Hue_2.5Y  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	Moist)  5/6 2/1 8/1  anot presented Matrix Mucky Mineral Matrix M	Mottle  Mottle  Mottle  10  10  5  t):	e absence of inore Lining, M=Matroes  Type  C C C C HANGE SO TYPE	Location  M M M  H H H H H H H H H H H H H H H	Indicators A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High I F18 - Reduct TF2 - Red F TF12 - Very Other (Explain	vertical streaks irregular white pa  for Problematic fuck (LRR I, J) t Prairie Redox ( curface (LRR G) Plains Depression ced Vertic Parent Material of Shallow Dark Stain in Remarks) hydrophytic vegetated or problematic.	cones, redox in vertical streaks  tches  C Soils¹  (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-154n45w13-c1				
VEGETATIO		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: 2 (B)				
5.					(-,				
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)				
7.					(AB)				
					Dravalance Index Werksheet				
8.					Prevalence Index Worksheet				
9.					Total % Cover of: Multiply by:				
10.					Total % Cover of:       Multiply by:         OBL spp.       0       x 1 = 0         FACW spp.       2       x 2 = 4         FAC spp.       1       x 3 = 3         FACU spp.       32       x 4 = 128         UPL spp.       70       x 5 = 350				
	Total Cover =	= 0			FACW spp. $\underline{\qquad \qquad \qquad }$ $\times 2 = \underline{\qquad \qquad }$				
					FAC spp. $\underline{\qquad}$ $X 3 = \underline{\qquad}$				
Sapling/Shrub	Stratum (Plot size: 15 ft. radius)				FACU spp. $\frac{32}{}$ $x = 4 = \frac{128}{}$				
1.					UPL spp. $\frac{70}{}$ $x = \frac{350}{}$				
2.									
3.					Total 105 (A) 485 (B)				
4.					(-)				
5.					Prevalence Index = B/A = 4.619				
6.					1 TOVAIGNOG INGEN - D/A - 4.019				
7.									
					Ukadaan kutia Manatatian Indiaatana				
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	70	Υ	NI					
2.	Eragrostis cilianensis	30	Υ	FACU	* Indicators of hydric soil and wetland hydrology must be				
3.	Rumex stenophyllus	2	 N	FACW	present, unless disturbed or problematic.				
4.	Medicago lupulina	2	N	FACU	Definitions of Vegetation Strata:				
5.	Echinochloa crus-galli	1	N	FAC	Deminions of Vegetation Strata.				
	Ecrimocriloa crus-gaili		- 11	170	Troo				
6					<b>Tree -</b> Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.				
7.					Height (DDH), 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.									
14.					1				
15.					Woody Vines - All woody vines, regardless of height.				
	Total Cover =	105							
	Total Cover =	100	_						
\\\\ \alpha = \  \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	tratura (Dist siere 200 tras Pari)								
vvoody vine St	tratum (Plot size: 30 ft. radius)								
1.									
2.									
3.					Hydrophytic Vegetation Present?N				
5.									
4.									
	Total Cover =								
Remarks:			getation is	not prese	nt. The vegetation is disturbed from herbicide use.				
		1 7 2 2 3		1,1300					
A al al!4! a ! =	Damanka.								
Additional Remarks:									