WETLAND DETERMINATION DATA FORM Great Plains Region

Projectivitie: Bit	D												
Investigation: [RCGCCC] Subsetion (MLRA or LRR); MAR 56 is MAR 56 is Supple Total State: MN Call Unit: Tar	Project/Site:		L3R									10/17/14	
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Landform: juil			KRG/BCS			Subregio					State:	MN	
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A1- Histosol S5 - Sandy Redox A9 - 1 cm Muck (LRR I, J) A2 - Histic Epipedon S6 - Stripped Matrix A16 - Coast Prairie Redox (LRR F, G, H) A3 - Black Histic F1 - Loamy Mucky Mineral S7 - Dark Surface (LRR G) A4 - Hydrogen Sulfide F2 - Loamy Gleyed Matrix F16 - High Plains Depressions (LRR H, outside MLRA 72, 73) A4 - Hydrogen Sulfide F6 - Redox Dark Surface F17 - Depleted Matrix A9 - 1 cm Muck (LRR FGH) F6 - Redox Dark Surface F17 - Depleted Matrix A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface T172 - Red Vertic A12 - Thick Dark Surface F8 - Redox Depressions T172 - Very Shallow Dark Surface S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5	Hue_10YR	Matrix Color (Moist) 2/1	% 10(Color (Moist)	Mottle: %	s Type	Location	SCL		Remarks	
A1- Histosol S5 - Sandy Redox A9 - 1 cm Muck (LRR I, J) A2 - Histic Epipedon S6 - Stripped Matrix A16 - Coast Prairie Redox (LRR F, G, H) A3 - Black Histic F1 - Loamy Mucky Mineral S7 - Dark Surface (LRR G) A4 - Hydrogen Sulfide F2 - Loamy Gleyed Matrix F16 - High Plains Depressions (LRR H, outside MLRA 72, 73) A4 - Hydrogen Sulfide F6 - Redox Dark Surface F17 - Depleted Matrix A9 - 1 cm Muck (LRR FGH) F6 - Redox Dark Surface F17 - Depleted Matrix A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface T172 - Red Vertic A12 - Thick Dark Surface F8 - Redox Depressions T172 - Very Shallow Dark Surface S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5	Hue_10YR	Matrix Color (Moist) 2/1	% 10(Color (Moist)	Mottle: %	s Type	Location	SCL		Remarks	
A1- Histosol S5 - Sandy Redox A9 - 1 cm Muck (LRR I, J) A2 - Histic Epipedon S6 - Stripped Matrix A16 - Coast Prairie Redox (LRR F, G, H) A3 - Black Histic F1 - Loamy Mucky Mineral S7 - Dark Surface (LRR G) A4 - Hydrogen Sulfide F2 - Loamy Gleyed Matrix F16 - High Plains Depressions (LRR H, outside MLRA 72, 73) A4 - Hydrogen Sulfide F6 - Redox Dark Surface F17 - Depleted Matrix A9 - 1 cm Muck (LRR FGH) F6 - Redox Dark Surface F17 - Depleted Matrix A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface T172 - Red Vertic A12 - Thick Dark Surface F8 - Redox Depressions T172 - Very Shallow Dark Surface S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5	Hue_10YR	Matrix Color (Moist) 2/1	% 10(Color (Moist)	Mottle: %	s Type	Location	SCL		Remarks	
A1- Histosol S5 - Sandy Redox A3 - 1 cm Muck (LRR I, J) A2 - Histic Epipedon S6 - Stripped Matrix A9 - 1 cm Muck (LRR F, G, H) A3 - Black Histic F1 - Loamy Mucky Mineral S7 - Dark Surface (LRR G, G) A4 - Hydrogen Sulfide F2 - Loamy Gleyed Matrix F16 - High Plains Depressions (LRR H, outside MLRA 72, 73) A5 - Stratified Layers (LRR FGH) F6 - Redox Dark Surface TF2 - Red Parent Material A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface TF2 - Red Parent Material A11 - Depleted Below Dark Surface F16 - High Plains Depressions Other (Explain in Remarks) S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5	Hue_10YR	Matrix Color (Moist) 2/1	% 10(Color (Moist)	Mottle: %	s Type	Location	SCL		Remarks	
A1- Histosol S5 - Sandy Redox A9 - 1 cm Muck (LRR I, J) A2 - Histic Epipedon S6 - Stripped Matrix A16 - Coast Prairie Redox (LRR F, G, H) A3 - Black Histic F1 - Loamy Mucky Mineral S7 - Dark Surface (LRR G) A4 - Hydrogen Sulfide F2 - Loamy Gleyed Matrix S7 - Dark Surface (LRR G) A5 - Stratified Layers (LRR F) F3 - Depleted Matrix F18 - Reduced Vertic A9 - 1 cm Muck (LRR FGH) F6 - Redox Dark Surface TF2 - Red Parent Material A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface TF12 - Very Shallow Dark Surface A12 - Thick Dark Surface F8 - Redox Depressions Other (Explain in Remarks) S1 - Sandy Mucky Mineral F16 - High Plains Depresentors Other (Explain in Remarks) S2 - 2.5 cm Mucky Peat or Peat (LRR G, H) S3 - 5 cm Mucky Peat or Peat (LRR G, H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18	Hue_10YR Hue_2.5Y	Matrix Color (Moist) 2/1 6/2	% 100 92	Color (Moist)	Mottle: % 8	s Type C	Location	SCL		Remarks	
A2 - Histic Epipedon S6 - Stripped Matrix A16 - Coast Prairie Redox (LRR F, G, H) A3 - Black Histic F1 - Loamy Mucky Mineral S7 - Dark Surface (LRR G) A4 - Hydrogen Sulfide F2 - Loamy Gleyed Matrix F16 - High Plains Depressions (LRR H, outside MLRA 72, 73) A5 - Stratified Layers (LRR F) F3 - Depleted Matrix F18 - Reduced Vertic A9 - 1 cm Muck (LRR FGH) F6 - Redox Dark Surface TF2 - Red Parent Material A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface TF2 - Nery Shallow Dark Surface A12 - Thick Dark Surface F8 - Redox Depressions Other (Explain in Remarks) S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: S0il consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18	Hue_10YR Hue_2.5Y	Matrix Color (Moist) 2/1 6/2	% 100 92	Color (Moist)	Mottle: % 8	s Type C	Location	SCL SIC	for Problemati		
A4 - Hydrogen Sulfide F2 - Loamy Gleyed Matrix F16 - High Plains Depressions (LRR H, outside MLRA 72, 73) A5 - Stratified Layers (LRR F) F3 - Depleted Matrix F18 - Reduced Vertic A9 - 1 cm Muck (LRR FGH) F6 - Redox Dark Surface F17 - Depleted Dark Surface A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface TF2 - Red Parent Material S1 - Sandy Mucky Mineral F8 - Redox Depressions (MLRA 72, 73 of LRR H) Other (Explain in Remarks) S2 - 2.5 cm Mucky Peat or Peat (LRR F) F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18	Hue_10YR Hue_2.5Y	Matrix Color (Moist) 2/1 6/2	% 100 92 neck here if ir	Color (Hue_10YR	Moist)	Mottle: % 8	s Type C	M	SCL SIC			
A5 - Stratified Layers (LRR F) F3 - Depleted Matrix F18 - Reduced Vertic A9 - 1 cm Muck (LRR FGH) F6 - Redox Dark Surface TF2 - Red Parent Material A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface TF2 - Red Parent Material A12 - Thick Dark Surface F6 - Redox Depressions Other (Explain in Remarks) S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18	Hue_10YR Hue_2.5Y	Matrix Color (Moist) 2/1 6/2 Indicators (ch	% 100 92 eck here if in	Color (Hue_10YR	Moist)	Mottle: % 8	s Type C	Location M	SCL SIC	luck (LRR I, J)	<u>c Soils¹</u>	
A9 - 1 cm Muck (LRR FGH) F6 - Redox Dark Surface TF2 - Red Parent Material A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface TF2 - Very Shallow Dark Surface A12 - Thick Dark Surface F8 - Redox Depressions Other (Explain in Remarks) S1 - Sandy Mucky Peat or Peat (LRR G, H) F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y ic Soil Field	Matrix Color (Moist) 2/1 6/2 	% 100 92 eck here if in	Color (Hue_10YR dicators are f S5 - Sandy R S6 - Stripped F1 - Loamy M	Moist)	Mottle:	s Type C	Location M	Indicators 1 A9 - 1 cm M A16 - Coast	luck (LRR I, J) Prairie Redox	<u>c Soils¹</u> (LRR F, G, H)	
A11 - Depleted Below Dark Surface F7 - Depleted Dark Surface TF12 - Very Shallow Dark Surface A12 - Thick Dark Surface F8 - Redox Depressions Other (Explain in Remarks) S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Other (Explain in Remarks) S2 - 2.5 cm Mucky Peat or Peat (LRR G, H) F16 - High Plains Depressions (MLRA 72, 73 of LRR H) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge	Matrix Color (Moist) 2/1 6/2 	% 100 92 eck here if in	Color (Hue_10YR dicators are i S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C	Moist)	Mottle:	s Type C	Location M	SCL SIC Indicators A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F	luck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi	<u>c Soils1</u> (LRR F, G, H)	
A12 - Thick Dark Surface F8 - Redox Depressions S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) S2 - 2.5 cm Mucky Peat or Peat (LRR G, H) F16 - High Plains Depressions (MLRA 72, 73 of LRR H) S3 - 5 cm Mucky Peat or Peat (LRR F) F16 - High Plains Depressions (MLRA 72, 73 of LRR H) S3 - 5 cm Mucky Peat or Peat (LRR F) Peatric Soil Present? N N Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified	Matrix Color (Moist) 2/1 6/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F)	% 100 92 neck here if ir	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F3 - Depleted	Moist)	Mottle: % 8 t):	s Type C	M	SCL SIC SIC Indicators I A9 - 1 cm N A16 - Coast I S7 - Dark S F16 - High F F18 - Reduce	luck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic	<u>c Soils1</u> (LRR F, G, H)	
S1 - Sandy Mucky Mineral F16 - High Plains Depressions (MLRA 72, 73 of LRR H) S2 - 2.5 cm Mucky Peat or Peat (LRR G, H) 'Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. S3 - 5 cm Mucky Peat or Peat (LRR F) Depth: Hydric Soil Present? Restrictive Layer Type: Depth: Hydric Soil Present? Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y Hue_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub_3.5Y Hub	Matrix Color (Moist) 2/1 6/2 	% 100 92 neck here if ir	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D	Moist) 5/6 not presen Redox I Matrix Jucky Miner Gleyed Matri J Matrix Jark Surface	Mottle:	s Type C	Location M	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redu	Iuck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material	<u>c Soils¹</u> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73)	
S3 - 5 cm Mucky Peat or Peat (LRR F) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y ic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete	Matrix Color (Moist) 2/1 6/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface	e E	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F7 - Depleted	Moist)	Mottle:	s Type C	Location M	SCL SIC Indicators 1 A9 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High R F18 - Reduc TF2 - Red F TF2 - Red F TF2 - Very	Nuck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material v Shallow Dark S	<u>c Soils1</u> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface	
Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR 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	Matrix Color (Moist) 2/1 6/2 indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral	e E	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depletee F6 - Redox D F7 - Depletee F8 - Redox D	Moist)	Mottle: % 8 8 t):	s Type C	Location M	SCL SIC Indicators 1 A9 A9 - 1 cm N A16 - Coast S7 - Dark S F16 - High R F18 - Reduc TF2 - Red F TF2 - Red F TF2 - Very	Nuck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material v Shallow Dark S	<u>c Soils1</u> (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface	
Restrictive Layer Type: Depth: Hydric Soil Present? N Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y Hue_2.5Y Hue_2.5Y Fit 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 S2 - 2.5 cm M	Matrix Color (Moist) 2/1 6/2 Indicators (ch ipedon stic Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (L	9% 100 92 eck here if in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depletee F6 - Redox D F7 - Depletee F8 - Redox D	Moist)	Mottle: % 8 8 t):	s Type C	Location M	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High f F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material v Shallow Dark S ain in Remarks	<u>c Soils</u> ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface	
Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y 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 S2 - 2.5 cm Mu	Matrix Color (Moist) 2/1 6/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR cky Peat or Peat (LR)	9% 100 92 eck here if in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depletee F6 - Redox D F7 - Depletee F8 - Redox D	Moist)	Mottle: % 8 8 t):	s Type C	Location M	Indicators i A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material Shallow Dark ain in Remarks)	<u>c Soils</u> ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface	
Remarks: Soil consists of a black sandy clay loam underlain by a depleted silty clay. The profile colors meet indicator F3- Depleted Matrix, however hydrology and	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y 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 S2 - 2.5 cm Mu	Matrix Color (Moist) 2/1 6/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR cky Peat or Peat (LR)	9% 100 92 eck here if in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depletee F6 - Redox D F7 - Depletee F8 - Redox D	Moist)	Mottle: % 8 8 t):	s Type C	Location M	Indicators i A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Redur TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material Shallow Dark ain in Remarks)	<u>c Soils</u> ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface	
	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y 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 S2 - 2.5 cm Mu S3 - 5 cm Mu S4 - Sandy G	Matrix Color (Moist) 2/1 6/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR cky Peat or Peat (LR)	9% 100 92 eck here if in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	Moist)	Mottle: % 8 8 t):	S Type C	Location M	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material Shallow Dark ain in Remarks)	<u>c Soils</u> ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface	
	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y 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 S2 - 2.5 cm Mu S3 - 5 cm Mu S4 - Sandy G	Matrix Color (Moist) 2/1 6/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ucky Mineral lucky Peat or Peat (LR cky Peat or Peat (LR)	9% 100 92 eck here if in 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy M F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	Moist)	Mottle: % 8 8 t):	S Type C	Location M	Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla	Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material Shallow Dark ain in Remarks)	<u>c Soils</u> ¹ (LRR F, G, H) ONS (LRR H, outside MLRA 72, 73) Surface	
	Depth (In.) 0-5 5-18 NRCS Hydr	Hue_10YR Hue_2.5Y Hue_2.5Y 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 S2 - 2.5 cm Mu S3 - 5 cm Mu S4 - Sandy G	Matrix Color (Moist) 2/1 6/2 Indicators (ch ipedon stic n Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LR ky Peat or Peat (LR ky Peat or Peat (LR)	9% 10(92 92 92 10 10 10 10 10 10 10 10 10 10 10 10 10	Color (Hue_10YR Hue_10YR S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F16 - High Pl	Moist) 5/6 not presen Redox I Matrix Mucky Miner Gleyed Matri d Matrix Dark Surface d Dark Surface d Dark Surface d Dark Surface	Mottle:	S Type C C RA 72, 73 of LRF Hydric So	Location M	SCL SIC JA9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla 'Indicators of I unless disturbo	Muck (LRR I, J) I Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material Shallow Dark S ain in Remarks) hydrophytic vegeta ed or problematic.	c Soils ¹ (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-151n41w29-a1
VEGETATIO	N (Species identified in all uppercase are	a non native sn	ecies)		
	(Plot size: 30 ft. radius)	e non-native sp	ecles.)		
	Species Name	<u>% Cover</u>	Dominant	Ind.Status	Dominance Test Worksheet
1. 2.					Number of Deminent Crossing that are ODL EACIN as EAC: (A)
2.					Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
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.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: <u>Multiply by:</u>
10.	Total Cover =	0			OBL spp. 0 x 1 = 0 FACW spp. 0 x 2 = 0
		0			FAC spp. 0 $x^2 = 0$
Sapling/Shrub S	Stratum (Plot size: 15 ft. radius)				FACU spp. 5 $x 4 = 20$
1.	,				UPL spp. 10 x 5 = 50
2.					
3.					Total <u>15</u> (A) <u>70</u> (B)
4. 5.					
5. 6.					Prevalence Index = B/A = <u>4.667</u>
0. 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) Triticum aestivum	10	Y	NI	Problem Hydrophytic Vegetation (Explain) *
2.	Cirsium arvense	5	Y	FACU	* 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.
<u>8.</u> 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.					Marsh-Marss All words since regardlage of beight
15.	T-4-1 Q-	4 5			Woody Vines - All woody vines, regardless of height.
	Total Cover =	15			
Woody Vine St	ratum (Plot size: 30 ft. radius)				
1.	,,				
2.					
3.					Hydrophytic Vegetation Present? N
5.					
4.	Total Course -	0			
Remarks:	Total Cover = Vegetation is limited to sparse small wheat s	0 eedlings and	a few C	anada th	istle. The area was entirely planted through with wheat but has been harvested.
. tomanto.	- Security in initial to optice official Wheat S	counigo unu	a 1011 0		
Additional R	Remarks:				