## WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site:   |  | L3R  |  |   |  |  |  |                  |  | Date:  | 09/11/14  |                |
|---|--|--|--|---|--|--|--|------------------|--|--|---|----------------|
| Applicant:  |  |  |  |   |  |  |  |                  |  | County:<br>State:  | Pennington  |                |
|   | Investigators: MRK/BEH/RAJ   |  |  | Subregion (MLRA or LRR): MLRA 56  |  |  |  |                  |  |  | MN  |                |
| Soil Unit:  | I24A   |  |  | _   |  |  | I Classification   |                  |  | 1  |   |                |
| Landform:   | Talf   |  |  |   | cal Relief:  |  |  |                  |  | Sample Point   | <u>u-154n45w25-b1</u>   |                |
| \ /   | 0 - 2%   |  | atitude: 48.13   |   |  |  | 8401667  | Datum:           |  | _  |   |                |
|   | · · · · · ·  | nditions on the site t   |  |   | ar? (If no, exp  |  |  |                  | □ No   | Section:   |   |                |
| Are Vegetation  |  |  | ≆ignificantly  |   |  | Are  | e normal circun  | nstances pr      | esent?   | Township:  |   |                |
| Are Vegetation  |  | , ,,,  | aturally pro   | blematic?   |  |  | Yes  | □ No             |  | Range:   | Dir:  |                |
| SUMMARY O   |  |  |  |   |  |  |  |                  |  |  |   |                |
| Hydrophytic \   | √egetation P   | resent?  | No   |   | -  |  |  |                  | Is Present?  |  |   |                |
| Wetland Hydi  |  |  | No   |   |  |  |  | Is This Sa       | mpling Poin  | nt Within A W  | /etland? <b>No</b>  |                |
| Remarks:  | The upland   | sample point is loca   | ited in a cult   | vated oat fie   | eld.   |  |  |                  |  |  |   |                |
|   |  |  |  |   |  |  |  |                  |  |  |   |                |
| HYDROLOGY   | Y  |  |  |   |  |  |  |                  |  |  |   |                |
| Wetland Hy  | drology Indi   | icators (Check all th  | nat apply: Mi  | nimum of on   | e primarv  | or two se  | econdary requi   | red):            |  |  |   |                |
| Primary:  |  | (  | ,                          |   | ,  |  | , , , , , , , , , , , , , , , , , , ,  |                  | Secondary:   | _  |   |                |
| ☐ A1 - Surface Water  |  |  |  |   | B11 - Salt   | Crust  |  |                  |  | B6 - Surface   | Soil Cracks   |                |
|   | A2 - High Wa   |  |  |   | B13 - Aqua   |  |  |                  |  |  | Vegetated Concave Surfa   | ace            |
|   | A3 - Saturatio   |  |  |   | C1 - Hydro   |  |  |                  |  | B10 - Drainag  |   | ) t - (t:   \  |
|   | B1 - Water Ma<br>B2 - Sedimen  |  |  | П   | C2 - Dry So  |  | spheres on Living  | Roots (not till  | L □  | C8 - Crayfish  | Rhizospheres on Living R  | .oots (tillea) |
|   | B3 - Drift Dep   | •  |  |   |  |  | educed Iron  | rtoots (not till |  | •  | n Visible on Aerial Imager  | v              |
|   | B4 - Algal Mat   |  |  | _   | C7 - Thin N  |  |  |                  | _  | D2 - Geomory   |   | ,              |
|   | B5 - Iron Depo   |  |  |   | Other (Exp   | lain)  |  |                  |  | D5 - FAC-Nei   |   |                |
|   |  | n Visible on Aerial Imag   | gery   |   |  |  |  |                  |  | D7 - Frost-He  | aved Hummocks (LRR F)   |                |
|   | B9 - Water-St  | ained Leaves   |  |   |  |  |  |                  |  |  |   |                |
| Field Observ  | ration as  |  |  |   |  |  |  |                  |  |  |   |                |
| Field Observ  |  |  | <b>5</b>   |   | (! \   |  |  |                  |  |  |   |                |
| Surface Water   |  | Yes  | Depth  |   | _ (in.)  |  |  | Wetland F        | Hydrology I  | Present?   | N   |                |
| Water Table   |  | Yes  | Depth  |   | _ (in.)  |  |  |                  |  |  |   |                |
| Saturation Pr   | esent?   | Yes  | Depth  | ·   | _ (in.)  |  |  |                  |  |  |   |                |
| D   |  |  |  |   |  |  |  |                  |  |  |   |                |
| Describe Reco   | orded Data (s  | tream gauge, monito  | ring well, aer   | ial photos, pr  | evious insp  | ections),  | , if available:  |                  |  |  |   |                |
|   | •  | tream gauge, monito<br>jical indicators were   |  | ial photos, pr  | evious insp  | ections),  | , if available:  |                  |  |  |   |                |
|   | •  |  |  | ial photos, pr  | evious insp  | ections),  | , if available:  |                  |  |  |   |                |
|   | •  |  |  | ial photos, pr  | evious insp  | ections),  | , if available:  |                  |  |  |   |                |
| Remarks:  SOILS Profile Descrip   | No hydrologo ption (Descri   | be to the depth need   | observed.  | nent the indi   | cator or co  | onfirm th  | e absence of ir  |                  |  |  |   |                |
| Remarks:  SOILS Profile Descrip   | No hydrologo ption (Descri   | ical indicators were   | observed.  | nent the indi   | cator or co  | onfirm th  | e absence of ir  |                  |  |  |   |                |
| Remarks:  SOILS Profile Descrip   | No hydrologo ption (Descri   | be to the depth need   | observed.  | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr  |                  |  |  |   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concen   | No hydrologo ption (Descri   | be to the depth need etion, RM=Reduced Matrix  | observed.  ded to docur  | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr  | ix)              |  |  |   |                |
| Remarks:  SOILS Profile Descrip   | No hydrolog<br>ption (Descri   | be to the depth need etion, RM=Reduced Matrix  Color (Moist)   | observed.  ded to docur ix, CS=Covered                           | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr  |                  | Texture  |  | Remarks   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concen   | No hydrologo ption (Descri   | be to the depth need etion, RM=Reduced Matrix  | observed.  ded to docur  | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr  | ix)              | Texture<br>SCL   | fine sand  | Remarks   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concen   | No hydrolog<br>ption (Descri   | be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  | observed.  ded to docur ix, CS=Covered                           | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr  | ix)              |  | fine sand  | Remarks   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concen   | No hydrolog ption (Descri  | be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  | observed.  ded to docur ix, CS=Covered  % 100                    | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr<br>es<br>Type  | Location         | SCL  | fine sand  | Remarks   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concen   | No hydrolog ption (Descri  | be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  | observed.  ded to docur ix, CS=Covered  % 100                    | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr<br>es<br>Type  | Location         | SCL  | fine sand  | Remarks   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concen   | No hydrolog ption (Descri  | be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  | observed.  ded to docur ix, CS=Covered  % 100                    | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr<br>es<br>Type  | Location         | SCL  | fine sand  | Remarks   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concen   | No hydrolog ption (Descri  | be to the depth need etion, RM=Reduced Matrix  Color (Moist)  2/1  | observed.  ded to docur ix, CS=Covered  % 100                    | nent the indi   | cator or co  | onfirm the   | e absence of in<br>ore Lining, M=Matr<br>es<br>Type  | Location         | SCL  | fine sand  | Remarks   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-13  13-21             | No hydrolog  ption (Descriptration, D=Depleter)  Hue_10YR  Hue_10YR  | be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1 4/1  | observed.  ded to docur ix, CS=Covered  % 100 95                 | nent the indi   | cator or co  | Mottle %   | e absence of in<br>ore Lining, M=Matr<br>es<br>Type  | Location         | SCL  | fine sand  | Remarks   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concen   | No hydrolog  ption (Descriptration, D=Depleter)  Hue_10YR  Hue_10YR  | be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1 4/1  | observed.  ded to docur ix, CS=Covered  % 100 95                 | nent the indi   | cator or co  | Mottle %   | e absence of interest Lining, M=Matro  | Location         | SCL<br>FSL   |  |   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.) 0-13 13-21  NRCS Hydri   | No hydrolog  ption (Descriptration, D=Depleter)  Hue_10YR  Hue_10YR  | be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1 4/1  | observed.  ded to docur ix, CS=Covered  % 100 95                 | Color ( Hue_10YR  | cator or co<br>Grains; Local<br>Moist)<br>4/3  | Mottle %   | e absence of interest Lining, M=Matro  | Location PL      | SCL<br>FSL   | or Problemat   | ic Soils <sup>1</sup>   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-13  13-21  NRCS Hydri | ption (Descriptration, D=Depletration, D=Deple | be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (checking)  | observed.  ded to docur ix, CS=Covered  % 100 95                 | nent the indi   | cator or co<br>Grains; Local<br>Moist)  4/3  not presented   | Mottle %   | e absence of interest Lining, M=Matro  | Location         | SCL<br>FSL<br>Indicators f<br>A9 - 1 cm M  | for Problemati   | ic Soils <sup>1</sup>   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.)  0-13  13-21  NRCS Hydri | No hydrolog  ption (Descriptration, D=Depletration, D=Depletration)  Hue_10YR  Hue_10YR  ic Soil Field  A1- Histosol   | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1 4/1  Indicators (checking)  | observed.  ded to docur ix, CS=Covered  % 100 95                 | Color ( Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N   | cator or cograins; Locator Moist)  4/3  Aot presented a continuous matrix Mucky Mineral  | Mottle  Mottle  by  tion: PL=P   | e absence of interest Lining, M=Matro  | Location         | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S   | or Problemati<br>luck (LRR I, J)<br>Prairie Redox<br>urface (LRR G   | i <mark>c Soils<sup>1</sup></mark><br>(LRR F, G, H)                             |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.) 0-13 13-21               | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (checking Sulfide)   | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color ( Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O  | cator or co<br>Grains; Local<br>Moist)  4/3  anot presentedox Matrix Mucky Minera  | Mottle  Mottle  by  tion: PL=P   | e absence of interest Lining, M=Matro  | Location         | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S6 F16 - High F   | for Problemation (LRR I, J) Prairie Redox urface (LRR G  | i <b>c Soils<sup>1</sup></b><br>(LRR F, G, H)                                   |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent  Depth (In.) 0-13 13-21  NRCS Hydri    | htration, D=Depleteration, D=Depleterati | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (checking Sulfide Layers (LRR F)   | observed.  ded to docur ix, CS=Covered  % 100 95                 | Color ( Hue_10YR  dicators are r  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted  | cator or co<br>Grains; Local<br>Moist)  4/3  Aviation of presentation of presentatio | mottle  Mottle  S  al  x   | e absence of interest Lining, M=Matro  | Location         | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduce  | for Problemation Inch (LRR I, J) Prairie Redox (LRR Golains Depression Ced Vertic  | i <mark>c Soils<sup>1</sup></mark><br>(LRR F, G, H)                             |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.) 0-13 13-21               | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (checking Sulfide Layers (LRR F) ck (LRR FGH)  | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color (  Hue_10YR  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O F3 - Depleted F6 - Redox D  | cator or co<br>Grains; Local<br>Moist)  4/3  Aot presented with the content of the cont | mottle which was all and a second conformation with the conformati | e absence of interest Lining, M=Matro  | Location         | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red P   | For Problemation Inck (LRR I, J) Prairie Redox urface (LRR Golains Depression Certic Parent Material   | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73)         |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent  Depth (In.) 0-13 13-21                | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (checking Sulfide Layers (LRR FGH) ck (LRR FGH) d Below Dark Surface   | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color (  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy O F3 - Depleted F6 - Redox D F7 - Depleted  | cator or co<br>Grains; Local<br>Moist)  4/3  anot present edox Matrix Mucky Minera Gleyed Matrix Mucky Minera Gleyed Matrix Park Surface   | mottle which was all and a second conformation with the conformati | e absence of interest Lining, M=Matro  | Location         | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very   | For Problemate luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depression of Vertic Parent Material Shallow Dark                                     | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73)         |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.) 0-13 13-21               | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (checking Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface   | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color (  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D                                     | cator or co<br>Grains; Local<br>Moist)  4/3  anot present edox Matrix Mucky Minera Gleyed Matrix ank Surface d Dark Surface depressions  | Mottle  Mottle  S  al  x  ace  | e absence of interesting the control of the control | Location         | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very   | For Problemation Inck (LRR I, J) Prairie Redox urface (LRR Golains Depression Certic Parent Material   | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73)         |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.) 0-13 13-21               | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (checking Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface   | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color (  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D                                     | cator or co<br>Grains; Local<br>Moist)  4/3  anot present edox Matrix Mucky Minera Gleyed Matrix ank Surface d Dark Surface depressions  | Mottle  Mottle  S  al  x  ace  | e absence of interest Lining, M=Matro  | Location         | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very   | For Problemate luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depression of Vertic Parent Material Shallow Dark                                     | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73)         |                |
| Remarks:  SOILS Profile Descrip (Type: C=Concent)  Depth (In.) 0-13 13-21               | Ption (Descriptration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (check in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR F) cky Peat or Peat (LRR F)  | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color (  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D                                     | cator or co<br>Grains; Local<br>Moist)  4/3  anot present edox Matrix Mucky Minera Gleyed Matrix ank Surface d Dark Surface depressions  | Mottle  Mottle  S  al  x  ace  | e absence of interesting the control of the control | Location         | Indicators of PSL  Indicators of | For Problemation Inck (LRR I, J) Prairie Redox Plains Depressived Vertic Parent Material Shallow Dark In In Remarks                                      | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73)         | st be present, |
| Remarks:  SOILS Profile Descrip (Type: C=Concent  Depth (In.) 0-13 13-21                | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (check in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR F) cky Peat or Peat (LRR F)  | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color (  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D                                     | cator or co<br>Grains; Local<br>Moist)  4/3  anot present edox Matrix Mucky Minera Gleyed Matrix ank Surface d Dark Surface depressions  | Mottle  Mottle  S  al  x  ace  | e absence of interesting the control of the control | Location         | Indicators of PSL  Indicators of | for Problemate<br>luck (LRR I, J)<br>Prairie Redox<br>urface (LRR G<br>Plains Depress<br>ced Vertic<br>Parent Material<br>Shallow Dark<br>ain in Remarks | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73) Surface | st be present, |
| Remarks:  SOILS Profile Descrip (Type: C=Concent  Depth (In.) 0-13 13-21                | Ption (Descriptration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (check in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR F) cky Peat or Peat (LRR F)  | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color (  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D                                     | cator or co<br>Grains; Local<br>Moist)  4/3  anot present edox Matrix Mucky Minera Gleyed Matrix ank Surface d Dark Surface depressions  | Mottle  Mottle  S  al  x  ace  | e absence of interesting the control of the control | Location         | Indicators of PSL  Indicators of | For Problemation Inck (LRR I, J) Prairie Redox Plains Depressived Vertic Parent Material Shallow Dark In In Remarks                                      | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73) Surface | st be present, |
| Remarks:  SOILS Profile Descrip (Type: C=Concent  Depth (In.) 0-13 13-21                | ption (Descrintration, D=Deplementation, D=Deple | be to the depth needetion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (check in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR F) cky Peat or Peat (LRR F)  | observed.  ded to docur ix, CS=Covered  % 100 95  ck here if inc | Color (  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D                                     | cator or co<br>Grains; Local<br>Moist)  4/3  anot present edox Matrix Mucky Minera Bleyed Matrix Matrix Park Surface In Dark Surface Dark Surface Depressions All Dark Surface Depressions All Dark Surface Depressions  | Mottle  Mottle  S  al  x  ace  | e absence of infore Lining, M=Matrees  Type  C  RA 72, 73 of LRF   | Location         | Indicators of A9 - 1 cm MA16 - Coast S7 - Dark S6 F16 - High F18 - Reduct TF2 - Red FTF12 - Very Other (Explain Indicators of Funless disturbed)   | For Problemation Inck (LRR I, J) Prairie Redox Plains Depressived Vertic Parent Material Shallow Dark In In Remarks                                      | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73) Surface | st be present, |
| Remarks:  SOILS Profile Descrip (Type: C=Concent  Depth (In.) 0-13 13-21  NRCS Hydri    | ption (Descriptration, 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 Muc A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Muc S4 - Sandy G  | be to the depth need etion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  4/1  Indicators (check ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR Indicators ipedon stic in Sulfide Layers (LRR FGH) d Below Dark Surface ark | observed.  ded to docur ix, CS=Covered                           | Color (  Hue_10YR  Hue_10YR  S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D F1 - High Pl | cator or cograins; Locar  Moist)  4/3  anot present edox Matrix Mucky Minera Bleyed Matrix Matrix bark Surface and Dark Surface bepressions ains Depres  | Mottle Mottle % 5 t):  | e absence of infore Lining, M=Matroses  Type  C  Hydric So   | Location PL  H)  | Indicators of A9 - 1 cm MA16 - Coast S7 - Dark Sign F16 - High F18 - Reduct TF2 - Red PTF12 - Very Other (Explain Indicators of Funless disturbed)  Y  | For Problemate luck (LRR I, J) Prairie Redox urface (LRR Gelains Depressived Vertice Parent Material Shallow Dark ain in Remarks and or problematic.     | ic Soils <sup>1</sup> (LRR F, G, H) ) ions (LRR H, outside MLRA 72, 73) Surface |                |

## WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site:             | L3R  |                 |           |                  | Sample Point: u-154n45w25-b1   |
|---------------------------|--|-----------------|-----------|------------------|--|
|                           |  |                 |           |                  |  |
| VEGETATION Tree Stretum ( | ` ` '                                      | e non-native s  | species.) |                  |  |
| Tree Stratum (            | Plot size: 30 ft. radius)  Species Name    | % Cover         | Dominant  | Ind.Status       | Dominance Test Worksheet   |
| 1.                        | <u>opeoned (talline</u>                    | <u>70 00101</u> | Dominana  | <u>marotatao</u> |  |
| 2.                        |  |                 |           |                  | Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)   |
| 3.                        |  |                 |           |                  |  |
| 4.                        |  |                 |           |                  | Total Number of Dominant Species Across All Strata: (B)  |
| 5.                        |  |                 |           |                  |  |
| 6.                        |  |                 |           |                  | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)  |
| 7.                        |  |                 |           |                  |  |
| 8.                        |  |                 |           |                  | Prevalence Index Worksheet   |
| 9.                        |  |                 |           |                  | Total % Cover of: Multiply by:   |
| 10.                       | Total Cavar                                | 0               |           |                  | OBL spp. 0   |
|                           | Total Cover =                              | 0               | _         |                  | FACW spp. $0 \times 2 = 0$   |
| Cooling/Chrub (           | Stratum (Diot cizo: 15 ft radius)          |                 |           |                  | $\begin{array}{cccccccccccccccccccccccccccccccccccc$   |
| 1.                        | Stratum (Plot size: 15 ft. radius)         |                 |           |                  | UPL spp. $\frac{70}{25}$ $\frac{70}{25}$ $\frac{70}{25}$ $\frac{70}{25}$ $\frac{70}{25}$ $\frac{70}{25}$ |
| 2.                        |  |                 |           |                  |  |
| 3.                        |  |                 |           |                  | Total 95 (A) 405 (B)   |
| 4.                        |  |                 |           |                  | (2)  |
| 5.                        |  |                 |           |                  | Prevalence Index = B/A = 4.263   |
| 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) *  |
|                           | Plot size: 5 ft. radius)                   |                 |           |                  | Problem Hydrophytic Vegetation (Explain) *   |
| 1.                        | Avena sativa                               | 70              | Y         | FACU             |  |
| 2.                        | Medicago sativa                            | 20              | <u>'</u>  | NI               | * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.      |
| 3.                        | Pisum sativum                              | 5               | N         | NI               |  |
| 4. 5.                     |  |                 |           |                  | Definitions of Vegetation Strata:  |
| 6                         |  |                 |           |                  | Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast  |
| 7.                        |  |                 |           |                  | height (DBH), regardless of height.  |
| 8.                        |  |                 |           |                  | <del>-</del>   |
| 9.                        |  |                 |           |                  | Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height.                                  |
| 10.                       |  |                 |           |                  | 1  |
| 11.                       |  |                 |           | _                | 1  |
| 12.                       |  |                 |           |                  | Herb - All herbaceous (non-woody) plants, regardless of size.  |
| 13.                       |  |                 |           |                  | 7  |
| 14.                       |  |                 |           |                  |  |
| 15.                       |  |                 |           |                  | Woody Vines - All woody vines, regardless of height.   |
|                           | Total Cover =                              | 95              | _         |                  |  |
|                           |  |                 |           |                  |  |
| Woody Vine Str            | ratum (Plot size: 30 ft. radius)           |                 |           |                  |  |
| 1.                        |  |                 |           |                  |  |
| 2.                        |  |                 |           | _                | Hadronkatic Veretation Present   |
| 3.                        |  |                 |           |                  | Hydrophytic Vegetation Present? N  |
| 5.<br>4.                  |  |                 |           |                  | _  |
| 4.                        | Total Cover =                              | 0               |           |                  |  |
| Remarks:                  | The upland sample point is dominated by cu |                 | and alfal | lfa              |  |
| . Comano.                 | aplana campio point to dominated by ed     | valod oald      | , and and |                  |  |
|                           |  |                 |           |                  |  |
| Additional R              | emarks:                                    |                 |           |                  |  |
| Additional N              | omaino.                                    |                 |           |                  |  |
|                           |  |                 |           |                  |  |
|                           |  |                 |           |                  |  |
|                           |  |                 |           |                  |  |