## WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site:  |  | L3R  |  |   |  |  |   |                 |  | Date:  | 09/17/14  |          |
|--|--|--|--|---|--|--|---|-----------------|--|--|---|----------|
| Applicant:   |  |  |  |   |  |  | County:   | Marshall        |  |  |   |          |
| Investigators: BJC/RAJ   |  |  |  | Subregion (MLRA or LRR): MLRA 56  |  |  |   |                 |  |  | MN  |          |
| Soil Unit: 155A  |  |  |  | NWI Classification: PEMCd   |  |  |   |                 |  |  |   |          |
| Landform:  | Talf   |  |  |   | ocal Relief  |  |   |                 |  | Sample Point   | u-155n46w4-b1   |          |
| Slope (%):   | 0 - 2%   |  | Latitude: 48.  |   | Longitude  |  |   | Datum:          |  |  |   |          |
|  |  | nditions on the site   |  |   | ar? (If no, ex   |  |   |                 | □ No   | Section:   |   |          |
| Are Vegetation   |  | ☑, or Hydrology  | •  | •   |  | Are  | e normal circun   | -               | esent?   | Township:  |   |          |
| Are Vegetation   |  | □, or Hydrology  | □aturally p  | roblematic?   |  |  | □ Yes   | ☑ No            |  | Range:   | Dir:  |          |
| SUMMARY C  |  |  |  |   |  |  |   |                 |  |  |   |          |
| Hydrophytic '  | _  |  | No   |   | Hydric Soils Present? No   |  |   |                 |  |  |   |          |
|  | drology Prese  |  | No   | Is This Sampling Point Within A Wetland? No ed to soybeans. The vegetation is disturbed from tillage and herbicide use, and the soil is disturbed   |  |  |   |                 |  |  |   |          |
| Remarks:   |  |  | -  | -   | -  |  |   | _               | herbicide ı  | use, and the s   | soil is disturbed from tillage  | e.       |
|  | Though the   | point is within an N   | IWI polygoi  | n, no indicator   | s of wetlar  | nd condit  | ions are preser   | nt.             |  |  |   |          |
| HYDROLOG   | Υ  |  |  |   |  |  |   |                 |  |  |   |          |
| Wetland Hy<br>Primary<br>□   | •  | cators (Check all t  | that apply;  | Minimum of o  | ne primary<br>B11 - Salt   |  | econdary requi  | red):           | Secondary:   | <u>:</u><br>B6 - Surface S   | Soil Cracks   |          |
|  | A2 - High Wa   |  |  |   | B13 - Aqua   |  | ì   |                 |  |  | Vegetated Concave Surface   |          |
|  | A3 - Saturatio   |  |  | ☐ C1 - Hydrogen Sulfide Odor ☐ B10 - Drainage Patterns  |  |  |   |                 |  |  | e Patterns  |          |
|  | B1 - Water M   |  |  | □ C2 - Dry Season Water Table □ C3 - Oxidized Rhizospheres on Living  |  |  |   |                 |  |  |   | (tilled) |
|  | B2 - Sedimen   | •  |  |   |  |  | spheres on Living   | Roots (not till | • -  | C8 - Crayfish  |   |          |
|  | B3 - Drift Dep<br>B4 - Algal Ma  |  |  | □ C4 - Presence of Reduced Iron □ □ C7 - Thin Muck Surface □  |  |  |   |                 |  |  | n Visible on Aerial Imagery  Phic Position                                  |          |
|  | B5 - Iron Dep  |  |  |   | Other (Exp   |  | 400   |                 | _  | D5 - FAC-Neu   |   |          |
|  |  | n Visible on Aerial Ima  | agery  |   |  | ,  |   |                 |  | D7 - Frost-He  | aved Hummocks (LRR F)   |          |
|  | B9 - Water-St  | ained Leaves   |  |   |  |  |   |                 |  |  |   |          |
| <u> </u>   |  |  |  |   |  |  |   |                 |  |  |   |          |
| Field Obser  |  |  |  |   | 41 \   |  |   |                 |  |  |   |          |
| Surface Wat  |  | Yes  | Dep  |   | _ (in.)  |  |   | Wetland F       | lydrology  | Present?   | N   |          |
| Water Table  |  | Yes  | Dep  |   | – (in.)  |  |   |                 |  |  |   |          |
| Saturation P   | resent?  | Saturation Present? Yes   Depth: (in.)   |  |   |  |  |   |                 |  |  |   |          |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: |  |  |  |   |  |  |   |                 |  |  |   |          |
| Describe Rec   | orded Data (s  | tream gauge, monito  | oring well, a  | erial photos, p   |  | pections),   | <br>, if available:                                       |                 |  |  |   |          |
| Describe Rec<br>Remarks:   | <u> </u>   | tream gauge, monitors of wetland hydrol  |  |   |  | pections),   | , if available:   |                 |  |  |   |          |
| Remarks:   | <u> </u>   |  |  |   |  | pections),   | , if available:   |                 |  |  |   |          |
| Remarks: SOILS   | No indicator   | s of wetland hydrol  | logy were o  | bserved.  | revious insp   | ·  |   |                 |  |  |   |          |
| Remarks:  SOILS Profile Descri   | No indicator   | s of wetland hydrol  | logy were o  | bserved.  ument the inc   | revious insplicator or co  | onfirm th  | e absence of ir   |                 |  |  |   |          |
| Remarks:  SOILS Profile Descri   | No indicator   | s of wetland hydrol  | logy were o  | bserved.  ument the inc   | revious insplicator or co  | onfirm th  | e absence of ir   |                 |  |  |   |          |
| Remarks:  SOILS Profile Descri   | No indicator   | be to the depth nee  | logy were o  | bserved.  ument the inc   | revious insplicator or co  | onfirm th  | e absence of ir<br>Pore Lining, M=Mati                    |                 |  |  |   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer   | No indicator   | be to the depth need to the Reduced Materia  | eded to doc<br>trix, CS=Cove                         | bserved.  ument the incred/Coated Sand  | revious insplicator or co  | onfirm th  | ne absence of in<br>Pore Lining, M=Mati                   | rix)            | Toyturo  |  | Domorko   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer   | No indicator   | be to the depth need to the depth need to the depth need to Matrix  Matrix  Color (Moist)  | eded to doc<br>trix, CS=Cove                         | ument the incred/Coated Sand  | revious insplicator or configurations; Local   | onfirm th  | e absence of ir<br>Pore Lining, M=Mati<br>es<br>Type      | Location        | Texture  |  | Remarks   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4  | No indicator   | be to the depth need to the de | eded to doc trix, CS=Cove                            | ument the incred/Coated Sand Color Hue_10YF   | revious insplicator or configurations; Local   | onfirm th  | ne absence of in<br>Pore Lining, M=Mati                   | rix)            | FSL  | Soil mixing due to   |   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16                                       | No indicator iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR  | be to the depth need to the Matrix  Color (Moist)  2/1 2/1   | eded to doc trix, CS=Cove                            | ument the incred/Coated Sand Color Hue_10YF   | revious insplicator or configurations; Local   | onfirm th  | e absence of in<br>Pore Lining, M=Mati<br>es<br>Type<br>C | Location M      | FSL<br>FSL   |  |   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4  | No indicator   | be to the depth need to the Matrix  Color (Moist)  2/1 2/1   | eded to doc trix, CS=Cove                            | ument the incred/Coated Sand Color Hue_10YF   | revious insplicator or configurations; Local   | onfirm th  | e absence of ir<br>Pore Lining, M=Mati<br>es<br>Type      | Location        | FSL  | Soil mixing due to Mixed matrix.   |   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16                                       | No indicator iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR  | be to the depth need to the Matrix  Color (Moist)  2/1 2/1   | eded to doc trix, CS=Cove                            | ument the incred/Coated Sand Color Hue_10YF   | revious insplicator or configurations; Local   | onfirm th  | e absence of in<br>Pore Lining, M=Mati<br>es<br>Type<br>C | Location M      | FSL<br>FSL   |  |   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16                                       | No indicator iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR  | be to the depth need to the Matrix  Color (Moist)  2/1 2/1   | eded to doc trix, CS=Cove                            | ument the incred/Coated Sand Color Hue_10YF   | revious insplicator or configurations; Local   | onfirm th  | e absence of in<br>Pore Lining, M=Mati<br>es<br>Type<br>C | Location M      | FSL<br>FSL   |  |   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | No indicator iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR Hue_10YR   | be to the depth need to the depth need to the depth need to the depth need to make the depth need to t | eded to doc trix, CS=Cove                            | ument the incred/Coated Sand Color Hue_10YF   | revious insplicator or configurations; Local (Moist)  R 6/3  R 3/1   | onfirm thation: PL=P  Mottl % 5  | es  Type  C   | Location M      | FSL<br>FSL   |  |   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | No indicator iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR  | be to the depth need to the depth need to the depth need to the depth need to make the depth need to t | eded to doc trix, CS=Cove                            | ument the incred/Coated Sand Color Hue_10YF   | revious insplicator or configurations; Local (Moist)  R 6/3  R 3/1   | onfirm thation: PL=P  Mottl % 5  | e absence of in<br>Pore Lining, M=Mati<br>es<br>Type<br>C | Location M      | FSL<br>FSL<br>FSL  | Mixed matrix.  | o tillage   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | No indicator iption (Descrintration, D=Deplementation, D=Deplementation) Hue_10YR Hue_10YR Hue_10YR Hue_10YR   | be to the depth need to the depth need to the depth need to the depth need to make the depth need to t | eded to doc trix, CS=Cove                            | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  ndicators are   | revious insplicator or configurations; Local (Moist)  R 6/3  R 3/1  not preser   | onfirm thation: PL=P  Mottl % 5  | es  Type  C   | Location M M    | FSL<br>FSL<br>FSL  | Mixed matrix.  for Problemati  | o tillage   |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | No indicator iption (Descrintration, D=Depl Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol   | be to the depth need to the detection, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  2/1  2/1  Indicators (cheed)   | eded to doc trix, CS=Cove                            | bserved.  ument the incred/Coated Sand  Color Hue_10YF Hue_10YF  ndicators are  | revious insplicator or configurations; Local (Moist)  R 6/3  R 3/1  not preser   | onfirm thation: PL=P  Mottl % 5  | es  Type  C   | Location M M    | FSL<br>FSL<br>FSL<br>Indicators 1  | Mixed matrix.  for Problemati fuck (LRR I, J)  | c Soils <sup>1</sup>  |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18  NRCS Hydr                      | Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep   | be to the depth need to the depth need to the depth need to the depth need to the detion, RM=Reduced Matrix  Matrix  Color (Moist)  2/1  2/1  2/1  Indicators (checkipedon   | eded to doc trix, CS=Cove                            | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  andicators are  S5 - Sandy S6 - Strippe   | revious inspections in specificator or configurations; Local (Moist)  R 6/3  R 3/1  not preser  Redox d Matrix   | onfirm the ation: PL=P  Mottl % 5  40  at):  | es  Type  C   | Location M M    | FSL<br>FSL<br>FSL<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast  | Mixed matrix.  for Problemati fuck (LRR I, J) t Prairie Redox  | c Soils <sup>1</sup>  |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His   | be to the depth need tion, RM=Reduced Matrix  Color (Moist)  2/1  2/1  2/1  Indicators (checking depth need tice)  | eded to doc trix, CS=Cove                            | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  Solution | icator or configurations; Locator or configurati | onfirm the stion: PL=P  Mottl % 5 40 at):  | es  Type  C   | Location        | FSL<br>FSL<br>FSL<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S   | Mixed matrix.  for Problemati fuck (LRR I, J) t Prairie Redox urface (LRR G)   | c Soils <sup>1</sup>  |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger   | be to the depth need to the depth need to the depth need to make the | eded to doc trix, CS=Cove  9/ 99 10 60 eck here if i | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  S5 - Sandy S6 - Strippe F1 - Loamy F2 - Loamy   | icator or configurations; Locator or configurati | onfirm the stion: PL=P  Mottl % 5 40 at):  | es  Type  C   | Location M  M   | FSL<br>FSL<br>FSL<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F   | Mixed matrix.  for Problemati fluck (LRR I, J) t Prairie Redox turface (LRR G) Plains Depressi   | c Soils <sup>1</sup>  |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified   | be to the depth need tion, RM=Reduced Matrix  Color (Moist)  2/1  2/1  2/1  Indicators (checking depth need tice)  | eded to doc trix, CS=Cove  9/ 99 10 60 eck here if i | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  So Sandy So Strippe F1 - Loamy F2 - Loamy   | icator or configurations; Local (Moist) R 6/3 R 3/1 not preser Redox d Matrix Mucky Miner Gleyed Matrix d Matrix   | monfirm the stion: PL=P  Mottl % 5 40 at):   | es  Type  C   | Location M  M   | FSL FSL FSL  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduce  | Mixed matrix.  for Problemati fluck (LRR I, J) t Prairie Redox turface (LRR G) Plains Depressi   | c Soils <sup>1</sup>  |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18  NRCS Hydr                      | Hue_10YR 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   | be to the depth need in the section of the depth need in the section of the depth need in the section of the se | eded to doc trix, CS=Cove  90 10 60 eck here if i    | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  S6 - Strippe S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete  | icator or congrains; Local  (Moist) R 6/3 R 3/1  not preser Redox d Matrix Mucky Miner Gleyed Matrix Oark Surface d Dark Surface   | onfirm the ation: PL=P  Mottl % 5 40  ation: The properties of the | es  Type  C   | Location M  M   | FSL FSL FSL  FSL  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very   | Mixed matrix.  Mixed matrix.  for Problemati Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material o Shallow Dark S                  | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73)         |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D   | be to the depth need ion, RM=Reduced Materix  Color (Moist)  2/1  2/1  2/1  2/1  ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface   | eded to doc trix, CS=Cove  90 10 60 eck here if i    | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox  | revious inspections in the revious inspection of the reservation of the review of the reservation of the review of the revie | onfirm the ation: PL=P  Mottl % 5  40  at):  | es Type C   | Location        | FSL FSL FSL  FSL  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very   | Mixed matrix.  Mixed matrix.  Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material  | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73)         |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | 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   | be to the depth need to the depth need to the depth need to the depth need to the determinant of the depth need to the d | eded to doc trix, CS=Cove  90  10  60  eck here if i | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox  | revious inspections in the revious inspection of the reservation of the review of the reservation of the review of the revie | onfirm the ation: PL=P  Mottl % 5  40  at):  | es  Type  C   | Location        | FSL FSL FSL  FSL  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very   | Mixed matrix.  Mixed matrix.  for Problemati Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material o Shallow Dark S                  | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73)         |          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18  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                           | be to the depth need ion, RM=Reduced Matrix  Color (Moist)  2/1  2/1  2/1  2/1  ipedon  stic  n Sulfide  Layers (LRR F)  ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LR   | eded to doc trix, CS=Cove  9/ 99 10 60 eck here if i | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox  | revious inspections in the revious inspection of the reservation of the review of the reservation of the review of the revie | onfirm the ation: PL=P  Mottl % 5  40  at):  | es Type C   | Location        | FSL FSL FSL  FSL  Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla   | Mixed matrix.  Mixed matrix.  Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material of Shallow Dark S ain in Remarks)                | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73) Surface | present  |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | 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                           | be to the depth need ion, RM=Reduced Matrix  Color (Moist)  2/1  2/1  2/1  2/1  ipedon  stic  n Sulfide  Layers (LRR F)  ck (LRR FGH)  d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR RE)  cky Peat or Peat (LRR RE)  | eded to doc trix, CS=Cove  9/ 99 10 60 eck here if i | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox  | revious inspections in the revious inspection of the reservation of the review of the reservation of the review of the revie | onfirm the ation: PL=P  Mottl % 5  40  at):  | es Type C   | Location        | FSL FSL FSL  FSL  Indicators of Reduction File - Reduction File - Reduction File - Reduction File - Red File - | Mixed matrix.  Mixed matrix.  Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material of Shallow Dark S ain in Remarks)                | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73)         | oresent, |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | 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              | be to the depth need ion, RM=Reduced Matrix  Color (Moist)  2/1  2/1  2/1  2/1  ipedon  stic  n Sulfide  Layers (LRR F)  ck (LRR FGH)  d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR RE)  cky Peat or Peat (LRR RE)  | eded to doc trix, CS=Cove  9/ 99 10 60 eck here if i | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox  | revious inspections in the revious inspection of the reservation of the review of the reservation of the review of the revie | onfirm the ation: PL=P  Mottl % 5  40  at):  | es Type C   | Location        | FSL FSL FSL  FSL  Indicators of Reduction File - Reduction File - Reduction File - Reduction File - Red File - | Mixed matrix.  Mixed matrix.  for Problemati Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material of Shallow Dark S ain in Remarks) | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73) Surface | oresent, |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18  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 | be to the depth need ion, RM=Reduced Matrix  Color (Moist)  2/1  2/1  2/1  2/1  ipedon  stic  n Sulfide  Layers (LRR F)  ck (LRR FGH)  d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR RE)  cky Peat or Peat (LRR RE)  | eded to doc trix, CS=Cove  9/ 99 10 60 eck here if i | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  Hue_10YF  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox F16 - High F   | icator or congrains; Local  (Moist) R 6/3 R 3/1  not preser Redox d Matrix Mucky Miner Gleyed Matrix Dark Surface d Dark Surface Depressions Plains Depres   | onfirm the ation: PL=P  Mottl % 5  40  at):  | es Type C C ARA 72, 73 of LRF                             | Location        | FSL FSL FSL  FSL  Indicators of A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain   | Mixed matrix.  Mixed matrix.  for Problemati Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material of Shallow Dark S ain in Remarks) | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73) Surface | present, |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-4 4-16 16-18                                 | Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger 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 | be to the depth need ion, RM=Reduced Matrix  Color (Moist)  2/1  2/1  2/1  2/1  ipedon  stic  n Sulfide  Layers (LRR F)  ck (LRR FGH)  d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR RE)  cky Peat or Peat (LRR RE)  | eded to doc trix, CS=Cove  9/ 99 10 60 eck here if i | bserved.  ument the incred/Coated Sand  Color Hue_10YF  Hue_10YF  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox F7 - Deplete F8 - Redox  | icator or congrains; Local  (Moist) R 6/3 R 3/1  not preser Redox d Matrix Mucky Miner Gleyed Matrix Dark Surface d Dark Surface Depressions Plains Depres   | onfirm the ation: PL=P  Mottl % 5  40  at):  | es Type C C ARA 72, 73 of LRF                             | Location        | FSL FSL FSL  FSL  Indicators of A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduct TF2 - Red F TF12 - Very Other (Explain   | Mixed matrix.  Mixed matrix.  for Problemati Muck (LRR I, J) t Prairie Redox urface (LRR G) Plains Depressi ced Vertic Parent Material of Shallow Dark S ain in Remarks) | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73) Surface | present, |

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

| Project/Site:    | L3R                                      |                             |                         | Sample Point: u-155n46w4-b1   |
|------------------|--|-----------------------------|-------------------------|---|
|                  |  |                             |                         |   |
| <b>VEGETATIO</b> |  | are non-native species      | S.)                     |   |
| Tree Stratum (   | Plot size: 30 ft. radius)                |                             |                         |   |
|                  | <u>Species Name</u>                      | <u>% Cover</u> <u>Domin</u> | ant Ind.Statu           | Dominance Test Worksheet  |
| 1.               |  |                             |                         |   |
| 2.               |  |                             |                         | Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)            |
| 3.               |  |                             |                         |   |
| 4.               |  |                             |                         | Total Number of Dominant Species Across All Strata:1 (B)                |
| 5.               |  |                             |                         |   |
| 6.               |  |                             |                         | Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)      |
| 7.               |  |                             |                         |   |
| 8.               |  |                             |                         | Prevalence Index Worksheet  |
| 9.               |  |                             |                         | Total % Cover of: Multiply by:  |
| 10.              |  |                             |                         | OBL spp. 0 x 1 = 0  |
|                  | Total Cover                              | = 0                         | FACW spp. $0 	 x 2 = 0$ |   |
|                  |  |                             |                         | OBL spp. 0  |
| Sapling/Shrub S  | Stratum (Plot size: 15 ft. radius)       |                             |                         | FACU spp. $0 	 x 	 4 = 0$   |
| 1.               |  |                             |                         | UPL spp. $100$ $x = 500$  |
| 2.               |  |                             |                         |   |
| 3.               |  |                             |                         | Total 100 (A) 500 (B)   |
| 4.               |  |                             |                         |   |
| 5.               |  |                             |                         | Prevalence Index = B/A = 5.000  |
| 6.               |  |                             |                         |   |
| 7.               |  |                             |                         |   |
| 8.               |  |                             |                         | Hydrophytic Vegetation Indicators:                                      |
| 9.               |  |                             |                         | Rapid Test for Hydrophytic Vegetation                                   |
| 10.              |  |                             |                         | Dominance Test is > 50%   |
|                  | 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                              | 100                         | / NI                    |   |
| 2.               |  |                             |                         | * Indicators of hydric soil and wetland hydrology must be               |
| 3.               | ,  |                             |                         | present, unless disturbed or problematic.                               |
| 4.               |  |                             |                         | Definitions of Vegetation Strata:                                       |
| 5.               |  |                             |                         |   |
| 6                |  |                             |                         | Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast         |
| 7.               |  |                             | -                       | height (DBH), regardless of height.                                     |
| 8.               |  |                             |                         |   |
| 9.               |  |                             |                         | Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height. |
| 10.              |  |                             |                         |   |
| 11.              |  |                             |                         |   |
| 12.              |  |                             |                         | Herb - All herbaceous (non-woody) plants, regardless of size.           |
| 13.              |  |                             |                         |   |
| 14.              |  |                             |                         |   |
| 15.              |  |                             |                         | Woody Vines - All woody vines, regardless of height.                    |
| 13.              | Total Cover                              | _ 100                       |                         |   |
|                  | Total Cover                              | = 100                       |                         |   |
| Mandy Vina Ct    | roture (Plat size: 20 ft radius)         |                             |                         |   |
| 1                | ratum (Plot size: 30 ft. radius)         |                             |                         |   |
| 2.               | <u> </u>                                 |                             |                         |   |
|                  |  | _                           |                         | Undraphytic Variation Present?  |
| 3.               | <u> </u>                                 | _                           |                         | Hydrophytic Vegetation Present? N                                       |
| 5.               | <u> </u>                                 |                             |                         |   |
| 4.               | Total Cover                              | 0                           |                         |   |
| Domonico         | Total Cover                              |                             |                         |   |
| Remarks:         | The upland is dominated by healthy soybe | ans.                        |                         |   |
|                  |  |                             |                         |   |
|                  |  |                             |                         |   |
| Additional R     | Remarks:                                 |                             |                         |   |
|                  |  |                             |                         |   |
|                  |  |                             |                         |   |
|                  |  |                             |                         |   |