## WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site:   |  |  |  |   |   |  |                                    |   |                 |  | Date:  | 09/26/14  |      |
|---|--|--|--|---|---|--|------------------------------------|---|-----------------|--|--|---|------|
| Applicant:  |  |  |  |   |   |  |                                    |   |                 |  | County:  | Pennington  |      |
| Investigators   |  |  |  |   |   |  | on (MLRA or LRR): MLRA 56          |   |                 |  | State:   | MN  |      |
| Soil Unit:<br>Landform:   | NWI Classification:  Depression  Local Relief: CC  Sample Point: w-154n44w28-a1  |  |  |   |   |  |                                    |   |                 | w-154n44w28-a1   |  |   |      |
| Slope (%):  | 8 - 15%  |  | Latitude: 4  | 18.124  |   | Longitude:   |                                    | 739   | Datum:          |  |  | W 1041144W20 U1   |      |
| <u> </u>  |  | nditions on the  | site typical fo  | or this   | s time of year  |  |                                    |   |                 | □ No   | Section:   |   |      |
| Are Vegetation  |  | □, or Hydrolog   |  |   | disturbed?  |  |                                    | normal circun                                       | nstances pre    | esent?   | Township:  |   |      |
| Are Vegetation  |  | □, or Hydrolog   | gy <b>□</b> aturally   | y prob  | lematic?  |  |                                    | Yes   | □ No            |  | Range:   | Dir:  |      |
| SUMMARY C   |  |  |  |   |   |  |                                    |   |                 | 10   |  |   |      |
| _   |  |  |  | Yes<br>Yos  |   |  |                                    | Hydric Soils Present?                               |                 |  |  | otland? Vac   |      |
| Wetland Hydrology Present?  Yes  Is This Sampling Point Within A Wetland?  Yes  Remarks: The wetland is a scrub-shrub community located in a depression near an existing corridor. Dominant vegetation includes meadow willow and lake sedge. |  |  |  |   |   |  |                                    |   |                 |  |  |   |      |
| HYDROLOG  | Υ  |  |  |   |   |  |                                    |   |                 |  |  |   |      |
| Wetland Hy  | drology Indi   | cators (Check  | all that apply   | y; Min  | imum of on  | e primary  | or two se                          | econdary requi                                      | red):           |  |  |   |      |
| Primary:  |  | N - +  |  |   |   | D44 C=14 (   | D                                  |   |                 | Secondary:   |  | ail Ora alsa  |      |
|   | A1 - Surface \A2 - High Wa   |  |  |   |   | B11 - Salt (<br>B13 - Aqua   |                                    |   |                 |  | B6 - Surface S   | on Cracks<br>/egetated Concave Surface                                      |      |
| <b>☑</b>  | A3 - Saturatio   |  |  |   |   | C1 - Hydro   |                                    | e Odor  |                 |  | B10 - Drainage   |   |      |
|   | B1 - Water Ma  |  |  |   |   | C2 - Dry Se  |                                    |   | Danta (mat till |  |  | Rhizospheres on Living Roots (till  | ed)  |
|   | B2 - Sedimen<br>B3 - Drift Dep   | •  |  |   |   | C3 - Oxidiz<br>C4 - Prese  | ed Knizosi<br>nce of Rec           | pheres on Living                                    | Roots (not till | ·  | C8 - Crayfish E  | surrows<br>Nisible on Aerial Imagery  |      |
|   | B4 - Algal Ma  |  |  |   |   | C7 - Thin M  |                                    |   |                 |  | D2 - Geomorp   |   |      |
|   | B5 - Iron Depo   |  |  |   |   | Other (Exp   | lain)                              |   |                 | ✓  | D5 - FAC-Neur  |   |      |
|   | B7 - Inundatio<br>B9 - Water-St  | n Visible on Aerial  | Imagery  |   |   |  |                                    |   |                 |  | D7 - Frost-Hea   | ved Hummocks (LRR F)  |      |
|   | Do Water Of  | anica Ecaves   |  |   |   |  |                                    |   |                 |  |  |   |      |
| Field Observ  | vations:   |  |  |   |   |  |                                    |   |                 |  |  |   |      |
| Surface Wate  | er Present?  | Yes □  | С  | Depth:  |   | (in.)  |                                    |   | Watland U       | lvdrology l  | Dragont?   | V   |      |
| Water Table   | Present?   | Yes □  |  | Depth:  |   | (in.)  |                                    |   | wetiand n       | lydrology l  | Present?   | <u>Y</u>  | /    |
| Saturation Pr   | resent?  | Saturation Present? Yes 🗵 Depth: 2 (in.)   |  |   |   |  |                                    |   |                 |  |  |   |      |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  |  |  |  |   |   |  |                                    |   |                 |  |  |   |      |
| Describe Reco   | orded Data (s  | tream gauge, m   |  |   | al photos, pre  | , ,  | ections),                          | if available:                                       |                 |  |  |   |      |
| Describe Reco   |  | tream gauge, mo  | onitoring well   |   | al photos, pre  | , ,  | ections),                          | if available:                                       |                 |  |  |   |      |
| Remarks:  |  |  | onitoring well   |   | al photos, pre  | , ,  | ections),                          | if available:                                       |                 |  |  |   |      |
| Remarks:  | Soils are sa   | turated at two ir  | onitoring well<br>nches.   | l, aeria  |   | evious insp  | ,                                  |   | edicators )     |  |  |   |      |
| Remarks:  SOILS Profile Descri  | Soils are sa   | turated at two in  | onitoring well   | l, aeria  | ent the indi  | evious insp  | onfirm the                         | e absence of ir                                     |                 |  |  |   |      |
| Remarks:  SOILS Profile Descri  | Soils are sa   | turated at two ir  | onitoring well   | l, aeria  | ent the indi  | evious insp  | onfirm the                         | e absence of ir                                     |                 |  |  |   |      |
| Remarks:  SOILS Profile Descri  | Soils are sa   | turated at two in  | onitoring wellnches.   | l, aeria  | ent the indi  | evious insp  | onfirm the                         | e absence of in<br>ore Lining, M=Matr               |                 |  |  |   |      |
| Remarks:  SOILS Profile Descri  | Soils are sa   | turated at two in<br>be to the depth<br>etion, RM=Reduced  | onitoring well<br>nches.<br>needed to d  | l, aeria  | ent the indi  | evious insponential cator or co  | onfirm the                         | e absence of in<br>ore Lining, M=Matr               |                 | Texture  |  | Remarks   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  | Soils are sa   | turated at two in<br>be to the depth<br>etion, RM=Reduced<br>Matrix  | onitoring well<br>nches.<br>needed to d  | l, aeria  | ent the indic   | evious insponential cator or co  | onfirm the<br>ion: PL=Po<br>Mottle | e absence of in<br>ore Lining, M=Matr               | ix)             | Texture<br>MMI   |  | Remarks   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  0-6 6-16   | Soils are sa  iption (Descrintration, D=Depleted Hue_10YR Hue_10YR)  | be to the depthetion, RM=Reduced  Matrix Color (Moist)  2/1 3/1  | onitoring well<br>nches.<br>needed to d  | locum<br>overed/<br>%<br>100<br>100                   | ent the indic   | evious insponential cator or co  | onfirm the<br>ion: PL=Po<br>Mottle | e absence of in<br>ore Lining, M=Matr               | ix)             |  |  | Remarks   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  0-6  | Soils are sa   | be to the depthetion, RM=Reduced  Matrix Color (Moist)   | onitoring well<br>nches.<br>needed to d  | locum<br>overed/<br>%                                 | ent the indic   | evious insponential cator or co  | onfirm the<br>ion: PL=Po<br>Mottle | e absence of in<br>ore Lining, M=Matr               | ix)             | MMI  |  | Remarks   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  0-6 6-16   | Soils are sa  iption (Descrintration, D=Depleted Hue_10YR Hue_10YR)  | be to the depthetion, RM=Reduced  Matrix Color (Moist)  2/1 3/1  | onitoring well<br>nches.<br>needed to d  | locum<br>overed/<br>%<br>100<br>100                   | ent the indic   | evious insponential cator or co  | onfirm the<br>ion: PL=Po<br>Mottle | e absence of in<br>ore Lining, M=Matr               | ix)             | MMI  |  | Remarks   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  0-6 6-16   | Soils are sa  iption (Descrintration, D=Depleted Hue_10YR Hue_10YR)  | be to the depthetion, RM=Reduced  Matrix Color (Moist)  2/1 3/1  | onitoring well<br>nches.<br>needed to d  | locum<br>overed/<br>%<br>100<br>100                   | ent the indic   | evious insponential cator or co  | onfirm the<br>ion: PL=Po<br>Mottle | e absence of in<br>ore Lining, M=Matr               | ix)             | MMI  |  | Remarks   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  | Soils are sa  iption (Descri ntration, D=Deple  Hue_10YR Hue_10YR Hue_10YR   | be to the depthetion, RM=Reduced  Matrix Color (Moist)  2/1 3/1 4/1  | onitoring well nches.  needed to description of the second description | locum<br>  overed/<br>  100<br>  100<br>  100         | ent the indicoated Sand C   | cator or co<br>Grains; Locat   | Mottle                             | e absence of in<br>ore Lining, M=Matr<br>es<br>Type | ix)             | MMI  |  | Remarks   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  | Soils are sa  iption (Descrintration, D=Depleted Hue_10YR Hue_10YR)  | be to the depthetion, RM=Reduced  Matrix Color (Moist)  2/1 3/1 4/1  | onitoring well<br>nches.<br>needed to d  | locum<br>  overed/<br>  100<br>  100<br>  100         | ent the indicoated Sand C   | cator or co<br>Grains; Locat   | Mottle                             | e absence of in<br>ore Lining, M=Matr               | ix)             | MMI<br>CL<br>S   |  |   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | Soils are sa  iption (Descri- ntration, D=Deple  Hue_10YR Hue_10YR Hue_10YR  | be to the depthetion, RM=Reduced  Matrix Color (Moist)  2/1 3/1 4/1  | onitoring well nches.  needed to description of the second description | locum<br>overed/<br>%<br>100<br>100<br>100<br>if indi | Coated Sand Coated Sand Color (I  | cator or co<br>Grains; Locat<br>Moist)   | Mottle                             | e absence of in<br>ore Lining, M=Matr<br>es<br>Type | Location        | MMI<br>CL<br>S   | or Problematic   |   |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  | Soils are sa  iption (Descri ntration, D=Deple  Hue_10YR Hue_10YR Hue_10YR   | be to the depthetion, RM=Reduced  Matrix Color (Moist)  2/1  3/1  4/1  Indicators  | onitoring well nches.  needed to description of the second description | locum<br>overed/<br>%<br>100<br>100<br>if indi        | ent the indicoated Sand C   | cator or co<br>Grains; Locat<br>Moist)   | Mottle                             | e absence of in<br>ore Lining, M=Matr<br>es<br>Type | Location        | MMI CL S Indicators f A9 - 1 cm M  | uck (LRR I, J)   | : Soils <sup>1</sup>  |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | Soils are sa  iption (Descri- intration, D=Deple  Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His  | be to the depthetion, RM=Reduced  Matrix Color (Moist)  2/1  3/1  4/1  Indicators  | onitoring well nches.  needed to description of the second description | locum<br>overed/<br>%<br>100<br>100<br>100<br>if indi | Coated Sand Coated Sand Coated Sand Color (I  | cator or co<br>Grains; Locat<br>Moist)  oot present  | Mottle                             | e absence of in<br>ore Lining, M=Matr<br>es<br>Type | Location        | MMI CL S Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si   | luck (LRR I, J)<br>Prairie Redox (<br>urface (LRR G)   | : Soils <sup>1</sup><br>LRR F, G, H)  |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger   | turated at two in the total two in the total two in the | onitoring well nches.  needed to description of the second description | locumovered/ % 100 100 if indi                        | Coated Sand Coated Sand Coated Sand Color (I  | cator or co<br>Grains; Locat<br>Moist)  Moist)  edox Matrix lucky Minera   | Mottle                             | e absence of in<br>ore Lining, M=Matr<br>es<br>Type | Location        | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F   | uck (LRR I, J)<br>Prairie Redox (<br>urface (LRR G)<br>Plains Depressio  | : Soils <sup>1</sup>  |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified   | turated at two in the to the depth etion, RM=Reduced Matrix Color (Moist)  2/1  3/1  4/1  Indicators  ipedon stic of Sulfide Layers (LRR F)  | onitoring well nches.  needed to description of the second description | locum<br>overed/<br>%<br>100<br>100<br>100<br>if indi | Color (I<br>Coated Sand Coated Sand Color (I<br>Coated Sand Color (I<br>Color (I<br>Col | evious inspector or confrains; Located Moist)  oot presented with the confraint of the conf | Mottle                             | e absence of in<br>ore Lining, M=Matr<br>es<br>Type | Location        | MMI CL S  Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduce  | luck (LRR I, J)<br>Prairie Redox (<br>urface (LRR G)<br>Plains Depression<br>eed Vertic                                    | : Soils <sup>1</sup><br>LRR F, G, H)  |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | 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 Mue  | turated at two in the total two in the total two in the | needed to de Matrix, CS=Co   | locum<br>overed/<br>%<br>100<br>100<br>100<br>if indi | Coated Sand Coated Sand Coated Sand Color (I  | evious inspector or contract o | Mottle %                           | e absence of in<br>ore Lining, M=Matr<br>es<br>Type | Location        | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P                                      | uck (LRR I, J)<br>Prairie Redox (<br>urface (LRR G)<br>Plains Depressio  | Soils <sup>1</sup> LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)           |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | 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 Muc A11 - Deplete A12 - Thick D   | turated at two in the to the depth etion, RM=Reduced Matrix  Color (Moist)  2/1  3/1  4/1  Indicators  ipedon etic in Sulfide Layers (LRR F) ck (LRR FGH) de Below Dark Surface de la transfer de la tran | needed to de Matrix, CS=Co   | l, aeria  | cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D   | evious inspector or confrains; Locate Moist)  oot present edox Matrix leyed Matrix Matrix ark Surface Dark Surface pressions   | Mottle %  t):                      | e absence of incre Lining, M=Matrees Type           | Location        | MMI CL S  Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red P TF12 - Very                 | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressions ed Vertic Parent Material                                | Soils <sup>1</sup> LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)           |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | 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 Mur A11 - Deplete A12 - Thick D S1 - Sandy M  | turated at two in Sulfide Layers (LRR F) ock (LRR FGH) d Below Dark Surface ucky Mineral   | needed to de Matrix, CS=Co   | l, aeria  | cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D   | evious inspector or confrains; Locate Moist)  oot present edox Matrix leyed Matrix Matrix ark Surface Dark Surface pressions   | Mottle %  t):                      | e absence of in<br>ore Lining, M=Matr<br>es<br>Type | Location        | MMI CL S  Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red P TF12 - Very                 | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark S                  | Soils <sup>1</sup> LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)           |      |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | 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 Mur A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M  | turated at two in turated at two in turated at turated at two in turated at turated at turated at two in turated at turated | onitoring well nches.  needed to del Matrix, CS=Co   | l, aeria  | cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D   | evious inspector or confrains; Locate Moist)  oot present edox Matrix leyed Matrix Matrix ark Surface Dark Surface pressions   | Mottle %  t):                      | e absence of incre Lining, M=Matrees Type           | Location        | MMI CL S  Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduc TF2 - Red P TF12 - Very Other (Expla    | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S ain in Remarks) | ESoils <sup>1</sup> LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  Surface | ent. |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | 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 Mur A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M  | turated at two in turated at the turated at t | onitoring well nches.  needed to del Matrix, CS=Co   | l, aeria  | cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D   | evious inspector or confrains; Locate Moist)  oot present edox Matrix leyed Matrix Matrix ark Surface Dark Surface pressions   | Mottle %  t):                      | e absence of incre Lining, M=Matrees Type           | Location        | MMI CL S  Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S ain in Remarks) | Soils <sup>1</sup> LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)           | ent, |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | 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                                  | turated at two in turated at the turated at t | onitoring well nches.  needed to del Matrix, CS=Co   | l, aeria  | cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D   | evious inspector or confrains; Locate Moist)  oot present edox Matrix leyed Matrix Matrix ark Surface Dark Surface pressions   | Mottle %  t):                      | e absence of incre Lining, M=Matrees Type           | Location        | MMI CL S  Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S Ain in Remarks) | ESoils <sup>1</sup> LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  Surface | ent, |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-6 6-16 16-24  NRCS Hydr   | Hue_10YR Hue_10YR 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 Mur A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mur S4 - Sandy G | turated at two in turated at the turated at t | onitoring well nches.  needed to del Matrix, CS=Co   | l, aeria  | cators are r S5 - Sandy R S6 - Stripped F1 - Loamy M F2 - Loamy G F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D   | evious inspector or contract of present edox Matrix leyed Matrix Matrix ark Surface Dark Surface pressions ains Depres   | Mottle %  t):                      | e absence of incre Lining, M=Matrones  Type         | Location        | MMI CL S  Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High F F18 - Reduct TF2 - Red P TF12 - Very Other (Explain | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S Ain in Remarks) | ESoils <sup>1</sup> LRR F, G, H)  ONS (LRR H, outside MLRA 72, 73)  Surface | ent, |

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

| Project/Site       | : L3R  |              |                 |            | Sample Point: w-154n44w28-a1  |  |  |  |  |
|--------------------|--|--------------|-----------------|------------|---|--|--|--|--|
|                    |  |              |                 |            |   |  |  |  |  |
| VEGETATIO          |  | e non-native | species.)       |            |   |  |  |  |  |
| Tree Stratum       | (Plot size: 30 ft. radius)   |              |                 |            |   |  |  |  |  |
|                    | Species Name   | % Cover      | <u>Dominant</u> | Ind.Status | Dominance Test Worksheet  |  |  |  |  |
| 1.                 |  |              |                 |            |   |  |  |  |  |
| 2.                 |  |              |                 |            | Number of Dominant Species that are OBL, FACW, or FAC:6(A)              |  |  |  |  |
| 3.                 |  |              |                 |            |   |  |  |  |  |
| 4.                 |  |              |                 |            | Total Number of Dominant Species Across All Strata: 6 (B)               |  |  |  |  |
| 5.                 |  |              |                 |            |   |  |  |  |  |
| 6.                 |  |              |                 |            | Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)    |  |  |  |  |
| 7.                 |  |              |                 |            |   |  |  |  |  |
| 8.                 |  |              |                 |            | Prevalence Index Worksheet  |  |  |  |  |
| 9.                 |  |              |                 |            | Total % Cover of: Multiply by:  |  |  |  |  |
| 10.                |  |              |                 |            |   |  |  |  |  |
| 10.                | <br>Total Cover =  | 0            |                 |            |   |  |  |  |  |
|                    | Total Cover =  |              | _               |            | FACW spp. $60$ $\times 2 = 120$   |  |  |  |  |
| Combiner /Obrasile | Ctrature (Distainer 45 ft radius)  |              |                 |            | FAC spp. 0  |  |  |  |  |
|                    | Stratum (Plot size: 15 ft. radius)   |              | Υ               | ODI        | $\begin{array}{cccccccccccccccccccccccccccccccccccc$                    |  |  |  |  |
| 1.                 | Salix petiolaris   | 25           | <u>-</u>        | OBL        | UPL spp. $0 	 x 	 5 = 0$  |  |  |  |  |
| 2.                 | Salix interior   | 25           | Y               | FACW       |   |  |  |  |  |
| 3.                 | Alnus incana   | 20           | Υ               | FACW       | Total 115 (A) 175 (B)   |  |  |  |  |
| 4.                 |  |              |                 |            |   |  |  |  |  |
| 5.                 |  |              |                 |            | Prevalence Index = B/A = 1.522  |  |  |  |  |
| 6.                 |  |              |                 |            |   |  |  |  |  |
| 7.                 |  |              |                 |            |   |  |  |  |  |
| 8.                 |  |              |                 |            | Hydrophytic Vegetation Indicators:                                      |  |  |  |  |
| 9.                 |  |              |                 |            | Rapid Test for Hydrophytic Vegetation                                   |  |  |  |  |
| 10.                |  |              |                 |            | X Dominance Test is > 50%   |  |  |  |  |
|                    |  | 70           |                 |            | X Prevalence Index is ≤ 3.0 *   |  |  |  |  |
|                    |  |              | _               |            | Morphological Adaptations (Explain) *                                   |  |  |  |  |
| Herb Stratum       | (Plot size: 5 ft. radius)  |              |                 |            | Problem Hydrophytic Vegetation (Explain) *                              |  |  |  |  |
| 1.                 | Carex lacustris  | 20           | V               | OBL        | Problem Hydrophytic Vegetation (Explain)                                |  |  |  |  |
| 2.                 |  |              | Y               | FACW       | * Indicators of hydric soil and wetland hydrology must be               |  |  |  |  |
|                    | Calamagrostis canadensis   | 15           | Y               |            | present, unless disturbed or problematic.                               |  |  |  |  |
| 3.                 | Lycopus uniflorus  | 10           | <u> </u>        | OBL        |   |  |  |  |  |
| 4.                 |  |              |                 |            | Definitions of Vegetation Strata:                                       |  |  |  |  |
| 5.                 |  |              |                 |            | _   |  |  |  |  |
| 6                  |  |              |                 |            | Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast         |  |  |  |  |
| 7.                 |  |              |                 |            | height (DBH), regardless of height.                                     |  |  |  |  |
| 8.                 |  |              |                 |            |   |  |  |  |  |
| 9.                 |  |              |                 |            | Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height. |  |  |  |  |
| 10.                |  |              |                 | ·          |   |  |  |  |  |
| 11.                |  |              |                 |            |   |  |  |  |  |
| 12.                |  |              |                 |            | <b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.    |  |  |  |  |
| 13.                |  |              |                 |            | 1   |  |  |  |  |
| 14.                |  |              |                 |            | 1   |  |  |  |  |
| 15.                |  |              |                 |            | Woody Vines - All woody vines, regardless of height.                    |  |  |  |  |
| 10.                | Total Cover =  | 45           |                 |            | . Troody vinds  |  |  |  |  |
|                    | Total Cover =  | 40           | _               |            |   |  |  |  |  |
| M/ - 1 M - 0       | (D) ( (D) ((D) |              |                 |            |   |  |  |  |  |
|                    | tratum (Plot size: 30 ft. radius)  |              |                 |            | _   |  |  |  |  |
| 1.                 |  |              |                 |            |   |  |  |  |  |
| 2.                 |  |              |                 |            |   |  |  |  |  |
| 3.                 |  |              |                 |            | Hydrophytic Vegetation Present?Y  |  |  |  |  |
| 5.                 |  |              |                 |            |   |  |  |  |  |
| 4.                 | Total Cover =  |              |                 |            |   |  |  |  |  |
|                    |  |              |                 |            |   |  |  |  |  |
| Remarks:           | Dominant vegetation includes meadow willow   | w and lake   | sedge, wi       | th bare so | oil covering a majority of the ground layer.                            |  |  |  |  |
|                    |  |              |                 |            |   |  |  |  |  |
|                    |  |              |                 |            |   |  |  |  |  |
| Additional         | Remarks:   |              |                 |            |   |  |  |  |  |
| Auditional         | Additional Remarks:  |              |                 |            |   |  |  |  |  |
|                    |  |              |                 |            |   |  |  |  |  |
|                    |  |              |                 |            |   |  |  |  |  |
|                    |  |              |                 |            |   |  |  |  |  |