## WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site:  |  | L3R  |   |  |  |  |   |                            |   | Date:   | 08/23/14   |  |  |
|--|--|--|---|--|--|--|---|----------------------------|---|---|--|--|--|
| Applicant:   |  |  |   |  | 0.1  | (NAL DA  |   | MI DA 50                   | County:   | Pennington  |  |  |  |
| Investigators:<br>Soil Unit:   | :<br>IGp   | BEH/RAJ  | `   | or LRR):<br>Classification   | MLRA 56  |  | State:  | MN                         |   |   |  |  |  |
| Landform:  | Depression   |  |   | Lo   | cal Relief:  | Ciassification   | •   |                            | Sample Point  | w-154n44w18-c2  |  |  |  |
| Slope (%):   |  |  |   |  |  |  |   |                            |   |   |  |  |  |
| <u> </u>   |  | nditions on the site typica  |   |  |  |  |   |                            | □ No  | Section:  |  |  |  |
| Are Vegetation   |  |  |   | disturbed?   |  | ī  | normal circun   | nstances pre               | esent?  | Township:   |  |  |  |
| Are Vegetation   |  |  | ally prol   | olematic?  |  |  | ✓ Yes   | □ No                       |   | Range:  | Dir:   |  |  |
| SUMMARY C  |  |  |   |  |  |  |   |                            |   |   |  |  |  |
| Hydrophytic Vegetation Present? Yes Wetland Hydrology Present? Yes   |  |  |   |  |  |  |   | Hydric Soil                |   |   | - (IIO V   |  |  |
| Remarks:   |  |  | Yes<br>y cotton   | wood, peach  | n-leaf willo   | w, and m   | nultiple shrub s  |                            |   | t Within A W<br>n area of alte  | etland? Yes<br>rnating swales and ridges.                                    |  |  |
| HYDROLOG   | Y  |  |   |  |  |  |   |                            |   |   |  |  |  |
| Wetland Hy   | drology Indi   | icators (Check all that ap   | ply; Mir  | nimum of on  | e primary  | or two se  | condary requi   | red):                      |   |   |  |  |  |
| Primary:   | <u>:</u>   |  | 1. 2.   |  |  |  | , .   | ,                          | Secondary:  |   |  |  |  |
| □  | A1 - Surface \A2 - High Wa   |  |   |  | B11 - Salt (<br>B13 - Aqua   |  |   |                            |   | B6 - Surface S  | oil Cracks<br>Vegetated Concave Surface                                      |  |  |
| <u> </u>   | A2 - High wa   |  |   |  | C1 - Hydro   |  | e Odor  |                            | ☑   | B10 - Sparsely  |  |  |  |
| V  | B1 - Water Ma  | arks   |   |  | C2 - Dry Se  | eason Wat  | er Table  |                            |   | C3 - Oxidized   | Rhizospheres on Living Roots (tilled)  |  |  |
|  | B2 - Sedimen   | •  |   |  |  |  | pheres on Living  | Roots (not till            |   | C8 - Crayfish E   |  |  |  |
|  | B3 - Drift Dep<br>B4 - Algal Ma  |  |   |  | C4 - Prese<br>C7 - Thin M  |  |   |                            | □   | D2 - Geomorp  | n Visible on Aerial Imagery<br>hic Position                                  |  |  |
|  | B5 - Iron Depo   | osits  |   |  | Other (Exp   |  |   |                            | ✓   | D5 - FAC-Neu  |  |  |  |
|  |  | n Visible on Aerial Imagery  |   |  |  |  |   |                            |   | D7 - Frost-Hea  | aved Hummocks (LRR F)  |  |  |
| ☑  | B9 - Water-St  | ained Leaves   |   |  |  |  |   |                            |   |   |  |  |  |
| Field Observ   | vations  |  |   |  |  |  |   |                            |   |   |  |  |  |
| Surface Water  |  | Yes □  | Depth:  |  | (in.)  |  |   |                            |   |   |  |  |  |
|  |  | Yes □  | Depth:  |  | (in.)  |  |   | Wetland H                  | lydrology   | Present?  | Υ  |  |  |
| Saturation Pr  |  | water Table Present? Yes \omega Depth: \( \frac{2}{2} \)   |   |  |  |  |   |                            |   |   |  |  |  |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:   |  |  |   |  |  |  |   |                            |   |   |  |  |  |
|  |  | Yes   tream gauge monitoring w   | Depth:  |  | (in.)  | ections)   | if available:   |                            |   |   |  |  |  |
| Describe Reco  | orded Data (s  | stream gauge, monitoring w   | /ell, aeri  | al photos, pre   | evious insp  |  |   | 1                          |   |   |  |  |  |
|  | orded Data (s  |  | /ell, aeri  | al photos, pre   | evious insp  |  |   | d.                         |   |   |  |  |  |
| Describe Reco  | orded Data (s  | stream gauge, monitoring w   | /ell, aeri  | al photos, pre   | evious insp  |  |   | d.                         |   |   |  |  |  |
| Describe Reco<br>Remarks:<br>SOILS<br>Profile Descri   | orded Data (s Saturated se   | stream gauge, monitoring woil is present at the surfact  | vell, aeri<br>ce; man   | al photos, pre   | evious inspological in   | dicators v   | were observed<br>e absence of ir  | ndicators.)                |   |   |  |  |  |
| Describe Reco<br>Remarks:<br>SOILS<br>Profile Descri   | orded Data (s Saturated se   | stream gauge, monitoring woil is present at the surface  | vell, aeri<br>ce; man   | al photos, pre   | evious inspological in   | dicators v   | were observed<br>e absence of ir  | ndicators.)                |   |   |  |  |  |
| Describe Reco<br>Remarks:<br>SOILS<br>Profile Descri   | orded Data (s Saturated se   | stream gauge, monitoring woil is present at the surface be to the depth needed to etion, RM=Reduced Matrix, CS=  | vell, aeri<br>ce; man   | al photos, pre   | evious inspological in   | onfirm the   | were observed<br>e absence of in<br>ore Lining, M=Mati  | ndicators.)                |   |   |  |  |  |
| Describe Reco<br>Remarks:<br>SOILS<br>Profile Descri<br>(Type: C=Concer  | orded Data (s Saturated se   | stream gauge, monitoring woil is present at the surface be to the depth needed to etion, RM=Reduced Matrix, CS=  | vell, aeri<br>ce; man<br>codocun<br>covered                         | al photos, pre<br>y other hydronent the indicended of the content of | evious inspological in cator or co   | onfirm the   | were observed<br>e absence of in<br>ore Lining, M=Mati  | ndicators.)                | Toyturo   |   | Pomarko  |  |  |
| Describe Reconstruction Remarks:  SOILS Profile Descripe: C=Concert  | orded Data (s Saturated so ption (Descri   | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  | vell, aeri<br>ce; man<br>docun<br>Covered                           | al photos, pre   | evious inspological in cator or co   | onfirm the   | were observed<br>e absence of in<br>ore Lining, M=Mati  | ndicators.)                | Texture   |   | Remarks  |  |  |
| Describe Reco<br>Remarks:<br>SOILS<br>Profile Descri<br>(Type: C=Concer<br>Depth (In.)   | orded Data (s Saturated so ption (Descriptration, D=Depleter) Hue_10YR   | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  Stream gauge, monitoring world to the surfact t | vell, aeri<br>ce; man<br>docum<br>Covered<br>%<br>100               | al photos, present the indicated Sand Color (I   | evious inspological in cator or coerains; Locat  | onfirm the dion: PL=Po   | e absence of in<br>the control of the c | ndicators.) rix)  Location | M   |   | Remarks  |  |  |
| Describe Record Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.)  0-3  3-6   | orded Data (s Saturated selection (Description (Description), D=Depleted Hue_10YR Gley1  | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  2/1  5/10Y  | vell, aeri ce; man codocun covered % 100 95                         | al photos, pre<br>y other hydronent the indicended of the content of | evious inspological in cator or coerains; Locat  | onfirm the   | were observed<br>e absence of in<br>ore Lining, M=Mati  | ndicators.)                | M<br>LS   | Dahhlas prosent   | Remarks  |  |  |
| Describe Reco<br>Remarks:<br>SOILS<br>Profile Descri<br>(Type: C=Concer<br>Depth (In.)   | orded Data (s Saturated so ption (Descri   | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  Stream gauge, monitoring world to the surfact t | vell, aeri<br>ce; man<br>docum<br>Covered<br>%<br>100               | al photos, present the indicated Sand Color (I   | evious inspological in cator or coerains; Locat  | onfirm the dion: PL=Po   | e absence of in<br>the control of the c | ndicators.) rix)  Location | M   | Pebbles present   | Remarks  |  |  |
| Describe Record Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.)  0-3  3-6   | orded Data (s Saturated selection (Description (Description), D=Depleted Hue_10YR Gley1  | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  2/1  5/10Y  | vell, aeri ce; man codocun covered % 100 95                         | al photos, present the indicated Sand Color (I   | evious inspological in cator or coerains; Locat  | onfirm the dion: PL=Po   | e absence of in<br>the control of the c | ndicators.) rix)  Location | M<br>LS   | Pebbles present   | Remarks  |  |  |
| Describe Record Remarks:  SOILS Profile Descrit (Type: C=Concerd)  Depth (In.)  0-3  3-6   | orded Data (s Saturated selection (Description (Description), D=Depleted Hue_10YR Gley1  | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  2/1  5/10Y  | vell, aeri ce; man codocun covered % 100 95                         | al photos, present the indicated Sand Color (I   | evious inspological in cator or coerains; Locat  | onfirm the dion: PL=Po   | e absence of in<br>the control of the c | ndicators.) rix)  Location | M<br>LS   | Pebbles present   | Remarks  |  |  |
| Describe Reco  | orded Data (s Saturated selection (Description (Description), D=Depleted Hue_10YR Gley1 Gley1  | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  2/1  5/10Y  6/10Y   | /ell, aeri<br>ce; man<br>docun<br>=Covered<br>%<br>100<br>95<br>100 | al photos, proy other hydronent the indicated Sand Color (Indicated Sand Color (Indicate   | evious inspological in cator or coerains; Locate Moist)  | onfirm the ion: PL=Po  | e absence of in<br>the control of the c | ndicators.) rix)  Location | M<br>LS   | Pebbles present   | Remarks  |  |  |
| Describe Reco  | orded Data (s Saturated selection (Descriptration, D=Depleter)  Hue_10YR Gley1   | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  2/1  5/10Y  6/10Y   | /ell, aeri<br>ce; man<br>docun<br>=Covered<br>%<br>100<br>95<br>100 | al photos, present the indicated Sand Color (I   | evious inspological in cator or coerains; Locate Moist)  | onfirm the ion: PL=Po  | e absence of in<br>the control of the c | ndicators.) rix)  Location | M<br>LS<br>LS   |   | _  |  |  |
| Describe Reco  | orded Data (s Saturated selection (Description (Description), D=Depleted Hue_10YR Gley1 Gley1  | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  2/1  5/10Y  6/10Y   | /ell, aeri<br>ce; man<br>docun<br>=Covered<br>%<br>100<br>95<br>100 | al photos, pro y other hydro nent the indic /Coated Sand C  Color (I  Hue_10YR   | evious inspological in cator or coerains; Locate Moist)  | onfirm the ion: PL=Po  | e absence of in<br>the control of the c | Location  M                | M<br>LS<br>LS   | or Problemation   | _  |  |  |
| Describe Reco  | orded Data (s Saturated so ption (Descriptration, D=Depleted Section 1998)  Hue_10YR Gley1 Gley1 Gley1 A1- Histosol A2 - Histic Ep   | be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check here)   | /ell, aeri ce; man codocum covered % 100 95 100 re if ind           | al photos, pre y other hydro nent the indic /Coated Sand C  Color (I  Hue_10YR  icators are r  S5 - Sandy R S6 - Stripped  | evious inspological in cator or coerains; Locate Moist)  5/6  oot presentedox Matrix   | onfirm the mion: PL=Po   | e absence of in<br>the control of the c | Location  M                | M<br>LS<br>LS<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast   | or Problemation   | c Soils <sup>1</sup>   |  |  |
| Describe Reco  | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check hereited)   | /ell, aeri ce; man codocun covered % 100 95 100 re if ind           | al photos, present the indice and Control (Incomplete Incomplete I   | evious inspological in cator or coerains; Locate Moist)  5/6  oot presentedox Matrix Jucky Mineral   | monting the months of the mont | e absence of in<br>the control of the c | Location  M                | M<br>LS<br>LS<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S  | or Problemation  luck (LRR I, J)  Prairie Redox (  urface (LRR G)   | Soils <sup>1</sup><br>(LRR F, G, H)  |  |  |
| Describe Record Remarks:  SOILS Profile Descripe: C=Concerd Concerd Co | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needed to etion, RM=Reduced Matrix  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check hereited)  | /ell, aeri<br>ce; man<br>docum<br>=Covered                          | al photos, present the indice /Coated Sand Coated Sand   | cator or control of present edox Matrix lucky Mineral leyed Matrix   | monting the months of the mont | e absence of in<br>the control of the c | Location  M                | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F   | or Problemation  luck (LRR I, J)  Prairie Redox (LRR G)  Plains Depression  | c Soils <sup>1</sup>   |  |  |
| Describe Reco  | orded Data (s Saturated selection (Description (Description), D=Depleted Selection (Description), D=Depleted Selection (Description), D=Depleted (De | be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check hereited)   | /ell, aeri ce; man codocun covered % 100 95 100 re if ind           | al photos, present the indice and Control (Incomplete Incomplete I   | evious inspological in cator or coerains; Locate Moist)  5/6  ot presented with the coerains and the coerain | monting the months of the mont | e absence of in<br>the control of the c | Location  M                | M<br>LS<br>LS<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduce                                    | or Problemation  luck (LRR I, J)  Prairie Redox (LRR G)  Plains Depression  | Soils <sup>1</sup><br>(LRR F, G, H)  |  |  |
| Describe Reco  | ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mur A11 - Deplete   | be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check hereitich Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface  | /ell, aeri ce; man codocun covered % 100 95 100 re if ind           | al photos, present the indice and Control (Incomplete Control (Inc   | cator or control of present edox Matrix lucky Mineral leyed Matrix Matrix ark Surface Dark Surface   | onfirm the ion: PL=Po  | e absence of in<br>the control of the c | Location  M                | M<br>LS<br>LS<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduc<br>TF2 - Red F<br>TF12 - Very       | or Problemation  Juck (LRR I, J)  Prairie Redox (Jurface (LRR G)  Plains Depression  Plains Depression  Plains Material  Shallow Dark S   | E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)          |  |  |
| Describe Reco  | ption (Descriptration, D=Deplementation, D=Deple | be to the depth needed to etion, RM=Reduced Matrix, CS=  Matrix  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check hereitich Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface  | /ell, aeri ce; man co docun covered % 100 95 100 re if ind          | al photos, present the indice of the indice    | evious inspological in cator or contract or contract or contract of contract o | mottle  Mottle  5  t):   | e absence of ire Lining, M=Mates Type C   | Location  M                | M<br>LS<br>LS<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduc<br>TF2 - Red F<br>TF12 - Very       | for Problemation  Juck (LRR I, J)  Prairie Redox (LRR G)  Plains Depression  The control of the | E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)          |  |  |
| Describe Reco  | ption (Descrintration, D=Depleteration)  Hue_10YR Gley1 Gley1 Gley1 A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A9 - 1 cm Mur A11 - Deplete A12 - Thick D S1 - Sandy M  | be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check hereitich Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral   | /ell, aeri ce; man co docun covered % 100 95 100 re if ind          | al photos, present the indice of the indice    | evious inspological in cator or contract or contract or contract of contract o | mottle  Mottle  5  t):   | e absence of in<br>the control of the c | Location  M                | M<br>LS<br>LS<br>Indicators 1<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduc<br>TF2 - Red F<br>TF12 - Very       | or Problemation  Juck (LRR I, J)  Prairie Redox (Jurface (LRR G)  Plains Depression  Plains Depression  Plains Material  Shallow Dark S   | E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)          |  |  |
| Describe Reco  | ric Soil Field  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  | be to the depth needed to etion, RM=Reduced Matrix, CS=  Matrix  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check here)  ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR G, H  | /ell, aeri ce; man co docun covered % 100 95 100 re if ind          | al photos, present the indice of the indice    | evious inspological in cator or contract or contract or contract of contract o | mottle  Mottle  5  t):   | e absence of ire Lining, M=Mates Type C   | Location  M                | M<br>LS<br>LS<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduc<br>TF2 - Red F<br>TF12 - Very<br>Other (Expla       | for Problemation  Juck (LRR I, J)  Prairie Redox (Jurface (LRR G)  Plains Depression  Plains Depression  Plains Material  Shallow Dark Stain in Remarks)  | ESOILS <sup>1</sup> [LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface |  |  |
| Describe Reco  | ric Soil Field  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  | be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check here)  ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR F, Hcky Peat or Peat (LRR F)  | /ell, aeri ce; man co docun covered % 100 95 100 re if ind          | al photos, present the indice of the indice    | evious inspological in cator or contract or contract or contract of contract o | mottle  Mottle  5  t):   | e absence of ire Lining, M=Mates Type C   | Location  M                | M<br>LS<br>LS<br>LS<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduc<br>TF2 - Red F<br>TF12 - Very<br>Other (Expla | for Problemation  Juck (LRR I, J)  Prairie Redox (Jurface (LRR G)  Plains Depression  Plains Depression  Plains Material  Shallow Dark Stain in Remarks)  | E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)          |  |  |
| Describe Reco  | ric Soil Field  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 S3 - 5 cm Mu   | be to the depth needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check here)  ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR F, Hcky Peat or Peat (LRR F)  | /ell, aeri ce; man co docun covered % 100 95 100 re if ind          | al photos, present the indice of the indice    | evious inspological in cator or contract or contract or contract of contract o | mottle  Mottle  5  t):   | e absence of ire Lining, M=Mates Type C   | Location  M                | M<br>LS<br>LS<br>LS<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduc<br>TF2 - Red F<br>TF12 - Very<br>Other (Expla | for Problemation  Juck (LRR I, J)  Prairie Redox (Jurface (LRR G)  Plains Depression  Pred Vertice  Parent Material  Shallow Dark Stain in Remarks)   | ESOILS <sup>1</sup> [LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface |  |  |
| Describe Reco  | 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 needed to etion, RM=Reduced Matrix.  Color (Moist)  2/1  5/10Y  6/10Y  Indicators (check here)  ipedon stic in Sulfide Layers (LRR F) ck (LRR FGH) d Below Dark Surface ark Surface ucky Mineral lucky Peat or Peat (LRR F, Hcky Peat or Peat (LRR F)  | /ell, aeri ce; man co docun covered % 100 95 100 re if ind          | al photos, present the indice of the indice    | evious inspological in cator or contract or contract or contract of contract o | mottle  Mottle  5  t):   | e absence of ingre Lining, M=Matrices  Type  C  | Location  M                | M<br>LS<br>LS<br>LS<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduc<br>TF2 - Red F<br>TF12 - Very<br>Other (Expla | for Problemation  Juck (LRR I, J)  Prairie Redox (Jurface (LRR G)  Plains Depression  Pred Vertice  Parent Material  Shallow Dark Stain in Remarks)   | ESOILS <sup>1</sup> [LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface |  |  |

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

| Project/Site   | : L3R                                  |              |                 |             | Sample Point: w-154n44w18-c2   |
|----------------|--|--------------|-----------------|-------------|--|
|                |  |              |                 |             |  |
| /EGETATIO      | 、 .                                    | e non-native | species.)       |             |  |
| Tree Stratum   | (Plot size: 30 ft. radius)             |              |                 |             |  |
|                | Species Name                           | % Cover      | <u>Dominant</u> | Ind.Status  | Dominance Test Worksheet   |
| 1.             | Populus deltoides                      | 50           | Υ               | FAC         |  |
| 2.             | Salix amygdaloides                     | 20           | Υ               | <b>FACW</b> | Number of Dominant Species that are OBL, FACW, or FAC: 5 (A)   |
| 3.             | Populus balsamifera                    | 5            | N               | FACW        |  |
| 4.             |  |              |                 |             | Total Number of Dominant Species Across All Strata: 6 (B)  |
| 5.             |  |              |                 |             |  |
| 6.             |  |              |                 |             | Percent of Dominant Species That Are OBL, FACW, or FAC: 83.3% (A/B)                                    |
| 7.             |  |              |                 |             | (AD)   |
|                |  |              |                 |             | Drevelence Index Werkeheet   |
| 8.             |  |              |                 |             | Prevalence Index Worksheet   |
| 9.             |  |              |                 |             | Total % Cover of: Multiply by:   |
| 10.            |  |              |                 |             | OBL spp. $0 	 x 	 1 = 0$   |
|                | Total Cover =                          | 75           |                 |             | FACW spp. $36$ $\times 2 = 72$   |
|                |  |              |                 |             | FAC spp. $51$  |
| Sapling/Shrub  | Stratum (Plot size: 15 ft. radius)     |              |                 |             | FACU spp. $4 	 x 	 4 = 	 16$   |
| 1.             | Comus rugosa                           | 10           | Υ               | NI          | UPL spp. $10 	 x 	 5 = 50$   |
| 2.             | Salix bebbiana                         | 5            | Υ               | FACW        | ··· ———  |
| 3.             | Toxicodendron rydbergii                | 3            | N               | FACU        | Total 101 (A) 291 (B)  |
| 4.             | . Saussasaan iyabbigii                 |              | • •             |             | (5)  |
|                |  |              |                 |             | Provolence Index – P/A – 2 991   |
| 5.             |  |              |                 |             | Prevalence Index = B/A = 2.881   |
| 6.             |  |              |                 |             |  |
| 7.             |  |              |                 |             |  |
| 8.             |  |              |                 |             | Hydrophytic Vegetation Indicators:   |
| 9.             |  |              |                 |             | X Rapid Test for Hydrophytic Vegetation  |
| 10.            |  |              |                 |             | X Dominance Test is > 50%  |
|                | Total Cover =                          | 18           |                 |             | X Prevalence Index is ≤ 3.0 *  |
|                |  |              | _               |             | Morphological Adaptations (Explain) *  |
| Herh Stratum ( | (Plot size: 5 ft. radius)              |              |                 |             | Problem Hydrophytic Vegetation (Explain) *   |
| 1.             | Phalaris arundinacea                   | 5            |                 | FACW        | 1 Tobiem Trydrophytic Vegetation (Explain)   |
|                |  |              | NI              |             | * Indicators of hydric soil and wotland hydrology must be  |
| 2.             | Carex sartwellii                       | 1            | N               | FACW        | * Indicators of hydric soil and wetland hydrology must be<br>present, unless disturbed or problematic. |
| 3.             | Rubus idaeus                           | 1            | N               | FACU        |  |
| 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.            |  |              |                 |             |  |
|                |  |              |                 | _           | <b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.                                   |
| 12.            |  |              |                 | _           | Herbaceous (non-woody) plants, regardless of size.   |
| 13.            |  |              |                 |             |  |
| 14.            |  |              |                 |             |  |
| 15.            |  |              |                 |             | Woody Vines - All woody vines, regardless of height.   |
|                | Total Cover =                          | 7            |                 |             |  |
|                | ·                                      |              | _ <del>-</del>  |             |  |
| Woody Vine S   | tratum (Plot size: 30 ft. radius)      |              |                 |             |  |
| 1.             | Vitis riparia                          |              | 1 Y             | FAC         |  |
| 2.             |  |              |                 |             |  |
| 3.             |  |              |                 | _           | Hydrophytic Vegetation Present?  |
| 5.             |  |              |                 |             | Trydrophytic vegetation riesent:   |
|                |  |              |                 |             |  |
| 4.             | T : 10                                 |              |                 |             |  |
| <u> </u>       | Total Cover =                          | 1            | <b>—</b>        |             |  |
| Remarks:       | •                                      | the canopy   | y. The shru     | ub layer co | onsists of round-leaf dogwood and Bebb's willow. The ground layer is almost non-                       |
|                | existent except for reed canary grass. |              |                 |             |  |
|                |  |              |                 |             |  |
| Additional F   | Remarks:                               |              |                 |             |  |
|                |  |              |                 |             |  |
|                |  |              |                 |             |  |
|                |  |              |                 |             |  |
|                |  |              |                 |             |  |
|                |  |              |                 |             |  |