## WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site:   |  | L3R  |                                |  |  |   |  |                 |  | Date:   | 08/21/14  |
|---|--|--|--------------------------------|--|--|---|--|-----------------|--|---|---|
| Applicant:  |  |  |                                |  |  |   | M D A 50   |                 |  | County:   | Marshall  |
| Investigators   | · ·  |  |                                | Subregion (MLRA  |  |   | •  | MLRA 56         |  | State:  | MN  |
| Soil Unit:  | 170A   |  |                                | <u> </u>   |  |   | Classification   | :               |  |   | 450 40 04 14  |
| Landform:   | Depression   |  | 10                             |  | ocal Relief:   |   | \ <u>\</u>   |                 |  | Sample Point:   | w-156n46w21-d1  |
| Slope (%):  | 0 - 2%   |  | Latitude: 48.                  |  |  | -96.5820  |  | Datum:          |  | O a settina   |   |
|   |  | onditions on the site  |                                |  | ar? (If no, exp  |   |  | ☑ Yes           | □ No   | Section:  |   |
| Are Vegetation  |  |  |                                | tly disturbed?   |  | Are   | normal circur  | -               | esent?   | Township:   | D:  |
| Are Vegetation  |  |  | Liaturally p                   | roblematic?  |  |   | Yes  | □ No            |  | Range:  | Dir:  |
| SUMMARY C   |  |  | V                              |  |  |   |  | Lludria Cai     | la Dragont?  | Vac   |   |
| Hydrophytic \   | •  |  | Yes                            |  | _  |   |  |                 | ls Present?  |   | etland? <b>Yes</b>  |
| Wetland Hyd<br>Remarks:                                     |  |  | Yes                            |  | the north  | voet eide   | of County Box  |                 |  | t Within A W  |   |
| Remarks.  | The welland  | d is a shallow mars  | on communi                     | ly in a dillon of  | i trie north   | west side   | of Courity Roa   | au S. Ali par   | ameters or   | wettand cond  | itions are met.   |
| HVDDOLOG  | V  |  |                                |  |  |   |  |                 |  |   |   |
| HYDROLOG  |  |  |                                |  |  |   |  |                 |  |   |   |
| _   |  | icators (Check all   | that apply;                    | Minimum of o   | ne primary   | or two se   | condary requi  | red):           |  |   |   |
| Primary:  |  | 147  |                                | _  | D44 0 1  | •   |  |                 | Secondary:   | 1   |   |
| <b>☑</b>  | A1 - Surface   |  |                                |  | B11 - Salt   |   |  |                 |  | B6 - Surface S  |   |
| <b>☑</b> ☑  | A2 - High Wa<br>A3 - Saturation  |  |                                |  | B13 - Aqua   | gen Sulfide   | - Odor   |                 |  | B10 - Sparsely  | Vegetated Concave Surface   |
|   | B1 - Water M   |  |                                |  |  | eason Wate  |  |                 |  |   | Rhizospheres on Living Roots (tilled  |
|   | B2 - Sedimer   |  |                                | _  |  |   | pheres on Living   | Roots (not till | • -  | C8 - Crayfish E   |   |
|   | B3 - Drift Dep   |  |                                |  | C4 - Prese   | nce of Red  | luced Iron   |                 |  |   | n Visible on Aerial Imagery   |
| ☑   | B4 - Algal Ma  |  |                                |  |  | ∕luck Surfac  | ce   |                 | ☑  | D2 - Geomorp  |   |
|   | B5 - Iron Dep  |  |                                |  | Other (Exp   | olain)  |  |                 |  | D5 - FAC-Neu  |   |
|   |  | on Visible on Aerial Ima<br>tained Leaves  | agery                          |  |  |   |  |                 | П  | D7 - Frost-Hea  | aved Hummocks (LRR F)   |
|   | by - water-S   | tailled Leaves   |                                |  |  |   |  |                 |  |   |   |
| Field Observ  | vations:   |  |                                |  |  |   |  |                 |  |   |   |
|   |  | V  | Dan                            | 46. 2  | (in )  |   |  |                 |  |   |   |
| Surface Wat   |  | Yes ☑  | Dep                            |  | _ (in.)  |   |  | Wetland F       | lydrology l  | Present?  | Υ   |
| Water Table   |  | Yes ☑  | Dep                            |  | _ (in.)  |   |  |                 | , ,,   |   | <del></del>   |
| Saturation P  | resent?  | Yes ☑  | Dep                            | oth: 0   | (in.)  |   |  |                 |  |   |   |
|   |  |  |                                |  |  |   |  |                 |  |   |   |
| Describe Rec  | orded Data (   | stream gauge, monit  | toring well, a                 | erial photos, p  | revious insp   | ections), i   | if available:  |                 |  |   |   |
| Describe Rec  | ,  | stream gauge, monit  |                                |  |  | pections), i  | if available:  |                 |  |   |   |
|   | ,  |  |                                |  |  | pections), i  | if available:  |                 |  |   |   |
| Remarks:  | Three inche  | es of standing wate  | r are presei                   | nt at the samp   | le point.  | ·   |  |                 |  |   |   |
| Remarks:  SOILS Profile Descri                              | Three inche  | es of standing wate  | er are preser                  | nt at the samp   | le point.  | onfirm the  | absence of ir  |                 |  |   |   |
| Remarks:  SOILS Profile Descri                              | Three inche  | es of standing wate  | er are preser                  | nt at the samp   | le point.  | onfirm the  | absence of ir  |                 |  |   |   |
| Remarks:  SOILS Profile Descri                              | Three inche  | ibe to the depth ned   | er are preser                  | nt at the samp   | le point.  | onfirm the  | absence of ir  |                 |  |   |   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Ma  | eded to doc<br>atrix, CS=Cove  | ument the inc  | le point.  | onfirm the  | e absence of in<br>re Lining, M=Mat                        | rix)            |  |   |   |
| Remarks:  SOILS Profile Descri                              | Three inche  | ibe to the depth ned   | er are preser                  | ument the inc  | le point.  | onfirm the  | absence of ir  |                 | Texture  |   | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Ma  | eded to doc<br>atrix, CS=Cove  | ument the inc  | le point.  | onfirm the  | e absence of in<br>re Lining, M=Mat                        | rix)            | Texture  |   | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Ma  | eded to doc<br>atrix, CS=Cove  | ument the inc  | le point.  | onfirm the  | e absence of in<br>re Lining, M=Mat                        | rix)            | Texture  |   | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Ma  | eded to doc<br>atrix, CS=Cove  | ument the inc  | le point.  | onfirm the  | e absence of in<br>re Lining, M=Mat                        | rix)            | Texture  |   | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Ma  | eded to doc<br>atrix, CS=Cove  | ument the inc  | le point.  | onfirm the  | e absence of in<br>re Lining, M=Mat                        | rix)            | Texture  |   | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Ma  | eded to doc<br>atrix, CS=Cove  | ument the inc  | le point.  | onfirm the  | e absence of in<br>re Lining, M=Mat                        | rix)            | Texture  |   | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Ma  | eded to doc<br>atrix, CS=Cove  | ument the inc  | le point.  | onfirm the  | e absence of in<br>re Lining, M=Mat                        | rix)            | Texture  |   | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Matrix  Color (Moist)   | eded to docatrix, CS=Cove      | ument the indired/Coated Sand  | icator or co   | Mottle  | e absence of in<br>re Lining, M=Mat                        | rix)            | Texture  |   | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | Three inche  | ibe to the depth nedletion, RM=Reduced Matrix  Color (Moist)   | eded to docatrix, CS=Cove      | ument the inc  | icator or co   | Mottle  | e absence of in<br>re Lining, M=Mat<br>es<br>Type          | rix)            |  | or Problematic  |   |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Dep   | ibe to the depth nedletion, RM=Reduced Matrix  Color (Moist)   | eded to docatrix, CS=Cove      | ument the indired/Coated Sand Color ndicators are  | icator or co<br>Grains; Loca<br>(Moist)  | Mottle  | e absence of in<br>re Lining, M=Mat<br>es<br>Type          | Location        | Indicators f   | or Problematic  |   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | iption (Description, D=Deportration, D=Deportration) ric Soil Field A1- Histosol   | ibe to the depth nedletion, RM=Reduced Markix  Color (Moist)  Indicators (che  | eded to docatrix, CS=Cove      | ument the indired/Coated Sand Color  Color  ndicators are  | icator or configuration of presentation of presentation of the point.  | Mottle  | e absence of in<br>re Lining, M=Mat<br>es<br>Type          | Location        | Indicators f<br>A9 - 1 cm M  | luck (LRR I, J)   | c Soils <sup>1</sup>  |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Dep   | ibe to the depth nedletion, RM=Reduced Markix  Color (Moist)  Indicators (checking)  | eded to docatrix, CS=Cove      | ument the indired/Coated Sand Color Color ndicators are S5 - Sandy I   | icator or configuration of present configuration of present configuration of the configuratio | Mottle %  | e absence of in<br>re Lining, M=Mat<br>es<br>Type          | Location        | Indicators f<br>A9 - 1 cm M<br>A16 - Coast   |   | c Soils <sup>1</sup>  |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, Deportmentation, Deportmentation, Deportmentation)  ric Soil Field  A1- Histosol A2 - Histic Ep   | ibe to the depth nedletion, RM=Reduced Markix  Color (Moist)  Indicators (characters)  | eded to docatrix, CS=Cove      | ument the indired/Coated Sand Color  Color  ndicators are  | icator or continuation of cont | mottle  Mottle  // / // / // / // / // / // / // / /  | e absence of in<br>re Lining, M=Mat<br>es<br>Type          | Location        | Indicators f<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S  | luck (LRR I, J)<br>Prairie Redox (<br>urface (LRR G)  | c Soils <sup>1</sup>  |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, Deportmentation, Deportmentation, Deportmentation)  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified  | ibe to the depth nedletion, RM=Reduced Markix  Color (Moist)  Indicators (checking stice in Sulfide is Layers (LRR F)  | eded to doc<br>atrix, CS=Cove  | ument the indired/Coated Sand  Color  Color  S5 - Sandy I  S6 - Stripped F1 - Loamy  | icator or co<br>Grains; Loca<br>(Moist)<br>not presen<br>Redox<br>d Matrix<br>Mucky Miner<br>Gleyed Matri  | mottle  Mottle  // / // / // / // / // / // / // / /  | e absence of in<br>re Lining, M=Mat<br>es<br>Type          | Location        | Indicators f<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark S  | luck (LRR I, J)<br>Prairie Redox (<br>urface (LRR G)<br>Plains Depressio  | Soils <sup>1</sup><br>(LRR F, G, H)   |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu  | ibe to the depth ned letion, RM=Reduced Markix  Color (Moist)  Indicators (check the color stice in Sulfide is Layers (LRR F) lick (LRR FGH)   | eded to docatrix, CS=Cove      | ument the indred/Coated Sand  Color  S5 - Sandy I  S6 - Strippe  F1 - Loamy  F2 - Loamy  F3 - Deplete  F6 - Redox  | icator or congrains; Local  (Moist)  (Moist)  not present decoration of Matrix Mucky Miner Gleyed Matrix Dark Surface  | mottle  Mottle  //  //  //  //  //  //  //  //  //  / | e absence of in<br>re Lining, M=Mat<br>es<br>Type          | Location        | Indicators f<br>A9 - 1 cm M<br>A16 - Coast<br>S7 - Dark Si<br>F16 - High F<br>F18 - Reduct<br>TF2 - Red P  | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depressions ed Vertic Parent Material   | E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)         |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportation, D=Deportation, D=Deportation)  A1- Histosol A2 - Histic Epolic A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete   | ibe to the depth ned letion, RM=Reduced Markix  Color (Moist)  Indicators (check the stice of Sulfide at Layers (LRR F) lick (LRR FGH) led Below Dark Surface  | eded to docatrix, CS=Cove      | ument the indired/Coated Sand  Color  Color  S5 - Sandy I  S6 - Strippe F1 - Loamy F2 - Loamy F2 - Loamy F3 - Deplete F6 - Redox I F7 - Deplete                        | icator or configuration of configuration | mottle  Mottle  //  //  //  //  //  //  //  //  //  / | e absence of in<br>re Lining, M=Mat<br>es<br>Type          | Location        | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si F16 - High F F18 - Reduc TF2 - Red F TF12 - Very   | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression ed Vertic Parent Material Shallow Dark S   | E Soils <sup>1</sup> ELRR F, G, H) ONS (LRR H, outside MLRA 72, 73)         |
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| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | Three inches iption (Description, D=Dep  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M  | ibe to the depth ned letion, RM=Reduced Mark Matrix  Color (Moist)  Indicators (check the letion of  | eded to doc<br>eatrix, CS=Cove | ument the indired/Coated Sand  Color  Color  S5 - Sandy I  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox I F7 - Deplete F8 - Redox I                      | icator or congrains; Loca  (Moist)  (Moist)  not present Addition Matrix Mucky Miner Gleyed Matrix Dark Surface and Dark Surface Depressions   | Mottle % tion: PL=Po  Mottle % t):                    | e absence of ir<br>re Lining, M=Mati<br>es<br>Type         | Location        | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark Si 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 |
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| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | Three inches iption (Description, D=Dep  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G                      | ibe to the depth ned letion, RM=Reduced Marix  Color (Moist)  Indicators (check to be provided by the color of the color o | eded to doc<br>eatrix, CS=Cove | ument the indired/Coated Sand  Color  Color  S5 - Sandy I  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox I F7 - Deplete F8 - Redox I F16 - High F         | icator or congrains; Loca  (Moist)  (Moist)  not present Addition Matrix Mucky Miner Gleyed Matrix Dark Surface of Dark Surfac | Mottle % tion: PL=Po  Mottle % t):                    | e absence of ir<br>re Lining, M=Mati<br>es<br>Type         | Location        | Indicators of A9 - 1 cm MA16 - Coast S7 - Dark S6 F16 - High FF18 - Reductor TF2 - Red FF12 - Very Other (Explain Indicators of Figure 1 and Indicators of Figure 2 disturbed 2 d | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S pain in Remarks)   | ESoils <sup>1</sup> LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | Three inches iption (Description, D=Dep  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G                      | ibe to the depth ned letion, RM=Reduced Marix  Color (Moist)  Indicators (check to be provided by the color of the color o | eded to doc<br>eatrix, CS=Cove | ument the indired/Coated Sand  Color  Color  S5 - Sandy I  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox I F7 - Deplete F8 - Redox I                      | icator or congrains; Loca  (Moist)  (Moist)  not present Addition Matrix Mucky Miner Gleyed Matrix Dark Surface of Dark Surfac | Mottle % tion: PL=Po  Mottle % t):                    | e absence of ir<br>re Lining, M=Mati<br>es<br>Type         | Location        | Indicators of A9 - 1 cm MA16 - Coast S7 - Dark S6 F16 - High FF18 - Reductor TF2 - Red FF12 - Very Other (Explain Indicators of Figure 1 and Indicators of Figure 2 disturbed 2 d | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S pain in Remarks)   | ESoils <sup>1</sup> LRR F, G, H)  Ons (LRR H, outside MLRA 72, 73)  Surface |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | Three inches iption (Description, D=Dep  ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick E S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G  r Type:  Cannot dig | ibe to the depth ned letion, RM=Reduced Marrix  Color (Moist)  Indicators (check to be letion)  Stice (check to be letion)  All Layers (LRR F) (check to let (LRR FGH))  Color (Moist)  Co | eded to doc<br>eatrix, CS=Cove | ument the incorred/Coated Sand  Color  Color  Color  S5 - Sandy I  S6 - Strippe F1 - Loamy F2 - Loamy F3 - Deplete F6 - Redox I F7 - Deplete F8 - Redox I F16 - High F | icator or congrains; Loca  (Moist)  (Moist)  not present Add Matrix Mucky Miner Gleyed Matrix Dark Surface d Da | Mottle  Mottle  w  tion: PL=Po  Mottle  %  t):        | e absence of ingre Lining, M=Mates  Type  RA 72, 73 of LRE | Location        | Indicators of A9 - 1 cm MA16 - Coast S7 - Dark S6 F16 - High F18 - Reduct TF2 - Red F1712 - Very Other (Explain Indicators of Funless disturbed Y  | luck (LRR I, J) Prairie Redox ( urface (LRR G) Plains Depression red Vertic Parent Material Shallow Dark S ain in Remarks)  hydrophytic vegetat red or problematic. | 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-156n46w21-d1  |
|--|---|------------------|--------------------------|------------------|---|
|  |   |                  |                          |                  |   |
| VEGETATION CONTRACTOR OF THE PROPERTY OF THE P | · · ·                                     | e non-native     | species.)                |                  |   |
| Tree Stratum (   | (Plot size: 30 ft. radius) Species Name   | % Cover          | Dominant                 | Ind.Status       | Dominance Test Worksheet  |
| 1.   | <u>opedies Name</u>                       | <u> 70 00VCI</u> | Dominant                 | <u>ma.otatus</u> |   |
| 2.   |   |                  |                          |                  | Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)            |
| 3.   |   |                  |                          |                  | (   |
| 4.   |   |                  |                          |                  | Total Number of Dominant Species Across All Strata: 2 (B)               |
| 5.   |   |                  |                          |                  | (=)   |
| 6.   |   |                  |                          |                  | Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)    |
| 7.   |   |                  |                          |                  | (* 42)  |
| 8.   | ,   |                  |                          |                  | Prevalence Index Worksheet  |
| 9.   |   |                  |                          |                  | Total % Cover of: Multiply by:  |
| 10.  |   |                  |                          |                  | $ \begin{array}{cccc} \hline OBL spp. & 61 & X & 1 = & 61 \end{array} $ |
|  | Total Cover =                             | 0                |                          |                  | OBL spp. 61   |
|  | •   |                  | FAC spp. $0 	 x 	 3 = 0$ |                  |   |
| Sapling/Shrub \$   | Stratum (Plot size: 15 ft. radius)        |                  |                          |                  | FACU spp. $0 	 x 	 4 = 0$   |
| 1.   |   |                  |                          |                  | $UPL spp. \qquad 0 \qquad x  5 = \qquad 0$                              |
| 2.   |   |                  |                          |                  |   |
| 3.   |   |                  |                          |                  | Total <mark>64</mark> (A) <mark>67</mark> (B)                           |
| 4.   |   |                  |                          |                  | · · ·   |
| 5.   |   |                  |                          |                  | Prevalence Index = B/A = 1.047  |
| 6.   |   |                  |                          |                  |   |
| 7.   |   |                  |                          |                  |   |
| 8.   |   |                  |                          |                  | Hydrophytic Vegetation Indicators:                                      |
| 9.   |   |                  |                          |                  | X Rapid Test for Hydrophytic Vegetation                                 |
| 10.  |   |                  |                          |                  | X Dominance Test is > 50%   |
|  | Total Cover =                             | 0                |                          |                  | X Prevalence Index is ≤ 3.0 *   |
|  |   |                  |                          |                  | Morphological Adaptations (Explain) *                                   |
| Herb Stratum (   | Plot size: 5 ft. radius)                  |                  |                          |                  | Problem Hydrophytic Vegetation (Explain) *                              |
| 1.   | Typha X glauca                            | 30               | Υ                        | OBL              |   |
| 2.   | Alisma triviale                           | 20               | Υ                        | OBL              | * Indicators of hydric soil and wetland hydrology must be               |
| 3.   | Sium suave                                | 5                | N                        | OBL              | present, unless disturbed or problematic.                               |
| 4.   | Eleocharis palustris                      | 3                | N                        | OBL              | Definitions of Vegetation Strata:                                       |
| 5.   | Phalaris arundinacea                      | 3                | N                        | FACW             |   |
| 6  | Carex pellita                             | 3                | N                        | OBL              | 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.  |   |                  |                          |                  |   |
| 14.  |   |                  |                          |                  |   |
| 15.  |   |                  |                          |                  | Woody Vines - All woody vines, regardless of height.                    |
|  | Total Cover =                             | 64               |                          |                  |   |
|  |   |                  |                          |                  |   |
| Woody Vine St  | ratum (Plot size: 30 ft. radius)          |                  |                          |                  |   |
| 1.   |   |                  |                          |                  |   |
| 2.   |   |                  |                          |                  |   |
| 3.   |   |                  |                          |                  | Hydrophytic Vegetation Present?Y  |
| 5.   |   |                  |                          |                  |   |
| 4.   |   |                  |                          | _                |   |
| <u> </u>   | Total Cover =                             |                  |                          |                  |   |
| Remarks:   | A shallow marsh community. Hydrophytic ve | egetation is     | s present.               |                  |   |
|  |   |                  |                          |                  |   |
|  |   |                  |                          |                  |   |
| Additional R   | Remarks:                                  |                  |                          |                  |   |
|  |   |                  |                          |                  |   |
|  |   |                  |                          |                  |   |
|  |   |                  |                          |                  |   |
|  |   |                  |                          |                  |   |