## WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site:   |  | L3R  |  |   |  |  |   |  |  | Date: <u>06/23/14</u>   |
|---|--|--|--|---|--|--|---|--|--|---|
| Applicant:  |  | Enbridge   |  |   | _  |  |   |  |  | County: <u>Marshall</u>   |
| Investigators   |  |  |  | Subregion (MLRA or LRR): MLRA 56  |  |  |   |  |  | State: MN   |
| Soil Unit:  | I133A  |  | NWI Classification:  |   |  |  |   | Wetland ID:  |  |   |
| Landform:   | Shoulder   |  |  |   | _ocal Relief   |  |   |  |  | Sample Point: u-158n48w23-a1  |
| Slope (%):  | 3 - 7%   |  | Latitude: 48.  |   |  | : -96.818  |   | <u>Datum:</u>  |  | Community ID:   |
|   | <u> </u>   | onditions on the site  |  |   | ·  |  |   | ✓ Yes  | □ No   | Section:  |
| Are Vegetation  |  |  | •  | tly disturbed   | ?  | Are  | e normal circur   | -  | esent?   | Township:   |
| Are Vegetation  |  | I □, or Hydrology  | Daturally p  | roblematic?   |  |  | Yes   | □ No   |  | Range: Dir:   |
| SUMMARY C   |  |  |  |   |  |  |   |  |  |   |
| Hydrophytic \   | •  |  | No   |   | _  |  |   |  | Is Present?  |   |
| Wetland Hyd   |  |  | No   |   |  |  |   |  |  | nt Within A Wetland? <b>No</b>  |
| Remarks:  | i ne upiand  | point is located at  | tne eage of  | an agricuitu  | rai field and  | is domin   | nated by mixed  | grasses and  | з анана.   |   |
|   |  |  |  |   |  |  |   |  |  |   |
| HYDROLOG  | Y  |  |  |   |  |  |   |  |  |   |
| Wetland Hy  | drology Ind  | licators (Check all  | that apply;  | Minimum of  | one primary  | or two s   | econdary requi  | red):  |  |   |
| <u>Primary</u> :  |  |  |  |   |  |  |   |  | Secondary:   |   |
|   | A1 - Surface   |  |  | ]   | B11 - Salt   |  |   |  |  | B6 - Surface Soil Cracks  |
|   | A2 - High Wa<br>A3 - Saturation  |  |  | l l   | •  | atic Fauna   |   |  |  | B8 - Sparsely Vegetated Concave Surface   |
|   | B1 - Water M   |  |  | □ C1 - Hydrogen Sulfide Odor □ C2 - Dry Season Water Table □ C3 - Oxidized Rhizospheres on Living Roots (not till€ □ C4 - Presence of Reduced Iron □ C7 - Thin Muck Surface |  |  |   |  |  | B10 - Drainage Patterns C3 - Oxidized Rhizospheres on Living Roots (tilled)   |
|   | B2 - Sedimer   |  |  |   |  |  |   |  |  | C8 - Crayfish Burrows   |
|   | B3 - Drift Dep   |  |  |   |  |  |   |  |  | C9 - Saturation Visible on Aerial Imagery   |
|   | B4 - Algal Ma  |  |  |   |  |  |   |  |  | D2 - Geomorphic Position  |
|   | B5 - Iron Dep  | oosits<br>on Visible on Aerial Im  | ogor.  | ſ   | ☐ Other (Exp   | plain)   |   |  |  | D5 - FAC-Neutral Test   |
|   |  | stained Leaves   | lagery   |   |  |  |   |  | u  | D7 - Frost-Heaved Hummocks (LRR F)  |
|   | Bo Water C   | italiloa Edavoo  |  |   |  |  |   |  |  |   |
| Field Observ  | vations:   |  |  |   |  |  |   |  |  |   |
| Surface Water   |  | Yes □  | Der  | oth:  | (in.)  |  |   |  |  |   |
| Water Table   |  | Yes  |  | oth:  | — (in.)  |  |   | Wetland F  | lydrology ∣  | Present? N  |
| Saturation P  |  | Yes $\square$  |  | oth:  | — (in.)  |  |   |  |  | <del></del>   |
| Cataration  | i Cociit :   | 100  |  |   |  |  |   |  |  |   |
|   | 1 15 / /   |  | <u> </u>   |   |  |  |   |  |  |   |
|   | •  | stream gauge, moni   | toring well, a   | erial photos,   |  | pections),   | if available:   |  |  |   |
| Describe Rec  | •  | stream gauge, moni   | toring well, a   | erial photos,   |  | pections),   | if available:   |  |  |   |
| Remarks:  | •  |  | toring well, a   | erial photos,   |  | pections),   | if available:   |  |  |   |
| Remarks:  | No indicato  | ors of wetland hydro   | toring well, a   | nerial photos,<br>observed.   | previous ins   |  |   | ndicators )  |  |   |
| Remarks:  SOILS Profile Descri                              | No indicato  | ors of wetland hydro   | toring well, a   | perial photos,<br>bbserved.   | previous ins   | onfirm th  | e absence of ir   |  |  |   |
| Remarks:  SOILS Profile Descri                              | No indicato  | ors of wetland hydro   | toring well, a   | perial photos,<br>bbserved.   | previous ins   | onfirm th  | e absence of ir   |  |  |   |
| Remarks:  SOILS Profile Descri                              | No indicato  | ors of wetland hydro   | toring well, a   | perial photos,<br>bbserved.   | previous ins   | onfirm th  | e absence of ir<br>ore Lining, M=Mat                            |  |  |   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | No indicato  | ribe to the depth ne letion, RM=Reduced Ma   | toring well, a   | pbserved.  cument the ired/Coated Sar   | previous ins   | onfirm th  | e absence of ir<br>ore Lining, M=Mat                            | rix)   | Texture  | Remarks   |
| Remarks:  SOILS Profile Descri                              | No indicato  | rs of wetland hydro<br>ribe to the depth ne<br>letion, RM=Reduced Ma   | toring well, and toring well, and toring were considered to document to docume | pbserved.  cument the ired/Coated Sar   | previous ins   | onfirm th<br>ation: PL=P   | e absence of ir<br>ore Lining, M=Mat                            |  | Texture  | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | No indicato  | ribe to the depth ne letion, RM=Reduced Ma   | toring well, and toring well, and toring were considered to document to docume | pbserved.  cument the ired/Coated Sar   | previous ins   | onfirm th<br>ation: PL=P   | e absence of ir<br>ore Lining, M=Mat                            | rix)   | Texture  | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | No indicato  | ribe to the depth ne letion, RM=Reduced Ma   | toring well, and toring well, and toring were considered to document to docume | pbserved.  cument the ired/Coated Sar   | previous ins   | onfirm th<br>ation: PL=P   | e absence of ir<br>ore Lining, M=Mat                            | rix)   | Texture  | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | No indicato  | ribe to the depth ne letion, RM=Reduced Ma   | toring well, and toring well, and toring were considered to document to docume | pbserved.  cument the ired/Coated Sar   | previous ins   | onfirm th<br>ation: PL=P   | e absence of ir<br>ore Lining, M=Mat                            | rix)   | Texture  | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | No indicato  | ribe to the depth ne letion, RM=Reduced Ma   | toring well, and toring well, and toring were considered to document to docume | pbserved.  cument the ired/Coated Sar   | previous ins   | onfirm th<br>ation: PL=P   | e absence of ir<br>ore Lining, M=Mat                            | rix)   | Texture  | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer              | No indicato  | ribe to the depth ne letion, RM=Reduced Ma   | toring well, and toring well, and toring were considered to document to docume | pbserved.  cument the ired/Coated Sar   | previous ins   | onfirm th<br>ation: PL=P   | e absence of ir<br>ore Lining, M=Mat                            | rix)   | Texture  | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | No indicato  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)   | eeded to docatrix, CS=Cove   | cument the incred/Coated Sar  | dicator or cod Grains; Loca  | onfirm theation: PL=P  | e absence of interest in the core Lining, M=Materials  es  Type | rix)   | Texture  | Remarks   |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | No indicato  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)   | eeded to docatrix, CS=Cove   | pbserved.  cument the ired/Coated Sar   | dicator or cod Grains; Loca  | onfirm theation: PL=P  | e absence of ir<br>ore Lining, M=Mat                            | rix)   |  |   |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | No indicato  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)   | eeded to docatrix, CS=Cove   | bserved.  cument the intered/Coated Sar   | dicator or cond Grains; Local  | onfirm theation: PL=P  | e absence of interest in the core Lining, M=Materials  es  Type | Location   | Indicators f   | for Problematic Soils <sup>1</sup>  |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportation, D=Deportation, D=Deportation)  ric Soil Field  A1- Histosol  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)   | eeded to docatrix, CS=Cove   | cument the intered/Coated Sar   | previous ins   | onfirm theation: PL=P  | e absence of interest in the core Lining, M=Materials  es  Type | Location   | Indicators f   | For Problematic Soils <sup>1</sup> uck (LRR I, J)   |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | No indicato  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (ch   | eeded to docatrix, CS=Cove   | indicators ard S5 - Sandy S6 - Stripp   | dicator or condicator or condi | onfirm the ation: PL=P  Mottle %  nt):   | e absence of interest in the core Lining, M=Materials  es  Type | Location   | Indicators f<br>A9 - 1cm Me<br>A16 - Cost F  | For Problematic Soils <sup>1</sup> uck (LRR I, J)  Prairie Redox (LRR F, G, H)  |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportration, D=Deportration)  ric Soil Field  A1- Histosol A2 - Histic Ep  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (ch   | eeded to docatrix, CS=Cove   | indicators are S5 - Sandy S6 - Stripp F1 - Loam   | previous ins   | onfirm the ation: PL=P  Mottle %  nt):   | e absence of interest in the core Lining, M=Materials  es  Type | Location   | Indicators f<br>A9 - 1cm Ma<br>A16 - Cost F<br>S7 - Dark S   | For Problematic Soils <sup>1</sup> uck (LRR I, J)   |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportration, D=Deportration)  A1- Histosol A2 - Histic Epox A3 - Black Histosol A4 - Hydroger A5 - Stratified  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (che spice on Sulfide de Layers (LRR F)   | eeded to docatrix, CS=Cove   | indicators ard  S5 - Sandy  S6 - Stripp  F1 - Loam  F2 - Loam  F3 - Deple   | dicator or condicator or condicator or condicator or condicator or condicator or condicators; Locator (Moist)  e not preserved Matrix of Muck Mineraly Gleyed Matrix of Gleyed Matrix and Matrix   | onfirm the ation: PL=P  Mottle %  Int):  | e absence of interest in the core Lining, M=Materials  es  Type | Location   | Indicators f<br>A9 - 1cm Mo<br>A16 - Cost F<br>S7 - Dark S<br>F16 - High F<br>F18 - Reduc  | For Problematic Soils  Tuck (LRR I, J)  Prairie Redox (LRR F, G, H)  Furface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  Seed Vertic  |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportation,  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (chapted on stice on Sulfide de Layers (LRR F) auck (LRR FGH)   | eeded to docatrix, CS=Cove   | indicators ard S6 - Stripp S6 - Stripp F1 - Loam F2 - Loam F3 - Deple F6 - Redox  | dicator or condicator or condicator or condicator or condicator or condicator or condicators; Locator (Moist)  The not preserved Matrix of Muck Minerally Gleyed Matrix of Condicators of  | onfirm the ation: PL=P  Mottle %  ation: The properties of the pro | e absence of interest in the core Lining, M=Materials  es  Type | Location   | Indicators f<br>A9 - 1cm Ma<br>A16 - Cost F<br>S7 - Dark Sa<br>F16 - High F<br>F18 - Reduct<br>TF2 - Red F   | For Problematic Soils <sup>1</sup> uck (LRR I, J)  Prairie Redox (LRR F, G, H)  urface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  ced Vertic  Parent Material                                |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportation, D=Deportation, D=Deportation)  A1- Histosol A2 - Histic Epox A3 - Black Histosol A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete   | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (che stice of Sulfide de Layers (LRR F) uck (LRR FGH) ed Below Dark Surface   | eeded to docatrix, CS=Cove   | indicators ard S5 - Sandy S6 - Stripp F1 - Loam F2 - Loam F3 - Deple F6 - Redox F7 - Deple  | r (Moist)  Previous insidicator or condicator or condicato | onfirm the ation: PL=P  Mottle  Mottle  nt):   | e absence of interest in the core Lining, M=Materials  es  Type | Location   | Indicators f A9 - 1cm Me A16 - Cost F S7 - Dark Se F16 - High F F18 - Reduce TF2 - Red F TF12 - Very   | For Problematic Soils <sup>1</sup> uck (LRR I, J)  Prairie Redox (LRR F, G, H)  urface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  ced Vertic  Parent Material  Shallow Dark Surface          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportmentation, D=Deportmen | Ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (chapted on stice of Sulfide of Layers (LRR F) ack (LRR FGH) and Below Dark Surface of Dark Surface of Surfa | eded to docatrix, CS=Cove  | indicators ard  S5 - Sandy  S6 - Stripp  F1 - Loam  F2 - Loam  F3 - Deple  F6 - Redox  F7 - Deple  F8 - Redox   | r (Moist)  Redox ed Matrix y Muck Minera y Gleyed Matrix ted Matrix c Dark Surface ted Dark Surface ted Dark Surface   | onfirm theation: PL=P  Mottle %  all rix e ace   | e absence of ir<br>ore Lining, M=Mati<br>es<br>Type             | Location   | Indicators f A9 - 1cm Me A16 - Cost F S7 - Dark Se F16 - High F F18 - Reduce TF2 - Red F TF12 - Very   | For Problematic Soils <sup>1</sup> uck (LRR I, J)  Prairie Redox (LRR F, G, H)  urface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  ced Vertic  Parent Material                                |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportation, D=Deportation, D=Deportation)  A1- Histosol A2 - Histic Epox A3 - Black History A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Depleter A12 - Thick Epox B1 - Sandy Mandal Man | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (chappedon stic en Sulfide d Layers (LRR F) luck (LRR FGH) ed Below Dark Surface fuck Mineral   | eeded to docatrix, CS=Cove   | indicators ard  S5 - Sandy  S6 - Stripp  F1 - Loam  F2 - Loam  F3 - Deple  F6 - Redox  F7 - Deple  F8 - Redox   | r (Moist)  Redox ed Matrix y Muck Minera y Gleyed Matrix ted Matrix c Dark Surface ted Dark Surface ted Dark Surface   | onfirm theation: PL=P  Mottle %  all rix e ace   | e absence of interest in the core Lining, M=Materials  es  Type | Location   | Indicators f A9 - 1cm Me A16 - Cost F S7 - Dark Se F16 - High F F18 - Reduce TF2 - Red F TF12 - Very   | For Problematic Soils <sup>1</sup> uck (LRR I, J)  Prairie Redox (LRR F, G, H)  urface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  ced Vertic  Parent Material  Shallow Dark Surface          |
| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportation, D=Deportation, D=Deportation)  A1- Histosol A2 - Histic Epox A3 - Black Hix A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Depleter A12 - Thick Extra S1 - Sandy My S2 - 2.5 cm My S3 - 5 cm My S3 - 5 cm My   | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (characters (LRR F)  Lack (LRR FGH)   | eded to docatrix, CS=Cove  | indicators ard  S5 - Sandy  S6 - Stripp  F1 - Loam  F2 - Loam  F3 - Deple  F6 - Redox  F7 - Deple  F8 - Redox   | r (Moist)  Redox ed Matrix y Muck Minera y Gleyed Matrix ted Matrix c Dark Surface ted Dark Surface ted Dark Surface   | onfirm theation: PL=P  Mottle %  all rix e ace   | e absence of ir<br>ore Lining, M=Mati<br>es<br>Type             | Location   | Indicators f A9 - 1cm Mi A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla  | For Problematic Soils  Luck (LRR I, J)  Prairie Redox (LRR F, G, H)  Lurface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  Leed Vertic  Parent Material  Shallow Dark Surface  Lain in Remarks) |
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| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportation, D=Deportation, D=Deportation)  A1- Histosol A2 - Histic Epox A3 - Black Hix A4 - Hydroger A5 - Stratified A9 - 1 cm Mu A11 - Depleter A12 - Thick Extra S1 - Sandy My S2 - 2.5 cm My S3 - 5 cm My S3 - 5 cm My   | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (characters (LRR F)  Lack (LRR FGH)   | eded to docatrix, CS=Cove  | indicators ard  S5 - Sandy  S6 - Stripp  F1 - Loam  F2 - Loam  F3 - Deple  F6 - Redox  F7 - Deple  F8 - Redox   | r (Moist)  Redox ed Matrix y Muck Minera y Gleyed Matrix ted Matrix c Dark Surface ted Dark Surface ted Dark Surface   | onfirm theation: PL=P  Mottle %  all rix e ace   | e absence of ir<br>ore Lining, M=Mati<br>es<br>Type             | Location   | Indicators f A9 - 1cm Mi A16 - Cost F S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla  | For Problematic Soils  Luck (LRR I, J)  Prairie Redox (LRR F, G, H)  Lurface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  Leed Vertic  Parent Material  Shallow Dark Surface  Lain in Remarks) |
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| Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) | iption (Description, D=Deportation, D=Deportation, D=Deportation)  A1- Histosol A2 - Histic Epology A3 - Black History A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick Epology S1 - Sandy Mu S2 - 2.5 cm Mu S3 - 5 cm Mu S4 - Sandy G  | ibe to the depth ne letion, RM=Reduced Ma  Matrix  Color (Moist)  I Indicators (chapted a Layers (LRR F) Luck (LRR FGH) Luck (LRR FGH) Luck (Mineral Mucky Peat or Peat (LREGIE) and Matrix  Color (Moist)   | eeded to docatrix, CS=Cove   | indicators ard S5 - Sandy S6 - Stripp F1 - Loam F2 - Loam F3 - Deple F6 - Redox F7 - Deple F8 - Redox F16 - High  | dicator or condicator or condicator or condicator or condicator or condicator or condicator (Moist)  The most preserved Matrix of Muck Minerally (Muck Mineral | onfirm the ation: PL=P  Mottle %  ation: PL=P  Mottle %  ation: PL=P  Mottle %  ation: PL=P  Mottle %  ation: PL=P   | e absence of ir ore Lining, M=Mate es  Type  RA 72, 73 of LRE   | Location    Continue   Continue | Indicators f A9 - 1cm Me A16 - Cost F S7 - Dark Se F16 - High F F18 - Reduce TF2 - Red F TF12 - Very Other (Explain  | For Problematic Soils  Luck (LRR I, J)  Prairie Redox (LRR F, G, H)  Lurface (LRR G)  Plains Depressions (LRR H, outisde MLRA 72, 73)  Leed Vertic  Parent Material  Shallow Dark Surface  Lain in Remarks) |

## WETLAND DETERMINATION DATA FORM

Great Plains Region

| Project/Site                           | : L3R                                       |              |                 |            | Sample Point: u-158n48w23-a1  |  |  |  |
|--|---|--------------|-----------------|------------|---|--|--|--|
| VECETATIO                              | (O  |              |                 |            |   |  |  |  |
| VEGETATIO                              | ```   | e non-native | species.)       |            |   |  |  |  |
| ree Stratum                            | (Plot size: 30 ft. radius)                  | 0/ 0         |                 | 1 100 1    | Dominanas Toot Workshoot  |  |  |  |
| 4                                      | <u>Species Name</u>                         | % Cover      | <u>Dominant</u> | Ind.Status | Dominance Test Worksheet  |  |  |  |
| 1.                                     |   |              |                 |            |   |  |  |  |
| 2.                                     |   |              |                 |            | Number of Dominant Species that are OBL, FACW, or FAC:(A)               |  |  |  |
| 3.                                     |   |              |                 |            |   |  |  |  |
| 4.                                     |   |              |                 |            | Total Number of Dominant Species Across All Strata:3(B)                 |  |  |  |
| 5.                                     |   |              |                 |            |   |  |  |  |
| 6.                                     |   |              |                 |            | Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)      |  |  |  |
| 7.                                     |   |              |                 |            | (.42)   |  |  |  |
| 8.                                     |   |              |                 |            | Prevalence Index Worksheet  |  |  |  |
|  |   |              |                 |            | 4   |  |  |  |
| 9.                                     |   |              |                 |            | Total % Cover of: Multiply by:  |  |  |  |
| 10.                                    |   |              |                 |            | OBL spp. $0 	 x 	 1 = 0$  |  |  |  |
|  | Total Cover =                               | 0            |                 |            | FACW spp. $\underline{\qquad}$ $X 2 = \underline{\qquad}$ 10            |  |  |  |
|  |   |              | FAC spp.        |            |   |  |  |  |
| Sapling/Shrub                          | Stratum (Plot size: 15 ft. radius)          |              |                 |            | FACU spp. $80$ $x 4 = 320$  |  |  |  |
| 1.                                     |   |              |                 |            | UPL spp. $\frac{25}{}$ $\times 5 = \frac{125}{}$                        |  |  |  |
| 2.                                     |   |              |                 |            | ··· ———   |  |  |  |
| 3.                                     |   |              |                 |            | Total 110 (A) 455 (B)   |  |  |  |
| 4.                                     |   |              |                 |            | (5)   |  |  |  |
|  |   |              |                 |            | Provolonos Indox — P/A — 4.426  |  |  |  |
| 5.                                     |   |              |                 |            | Prevalence Index = B/A = 4.136  |  |  |  |
| <u>6.</u>                              |   |              |                 |            |   |  |  |  |
| 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) *                                   |  |  |  |
| Harb Stratum                           | (Diet eizer Eft redius)                     |              |                 |            |   |  |  |  |
|  | (Plot size: 5 ft. radius)                   | 40           | Υ               | FACU       | Problem Hydrophytic Vegetation (Explain) *                              |  |  |  |
| 1.                                     | Elymus repens                               | 40           |                 |            | * Indicators of budrie soil and wattend budreless, mount be             |  |  |  |
| 2.                                     | Poa pratensis                               | 25           | Y               | FACU       | * Indicators of hydric soil and wetland hydrology must be               |  |  |  |
| 3.                                     | Medicago sativa                             | 25           | Υ               | NI         | present, unless disturbed or problematic.                               |  |  |  |
| 4.                                     | Phleum pratense                             | 10           | N               |            | Definitions of Vegetation Strata:                                       |  |  |  |
| 5.                                     | Trifolium hybridum                          | 10           | N               | FACU       |   |  |  |  |
| 6                                      | Phragmites australis                        | 5            | N               | FACW       | Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast         |  |  |  |
| 7.                                     | Cirsium arvense                             | 5            | N               | FACU       | height (DBH), regardless of height.                                     |  |  |  |
| 8.                                     |   |              |                 |            |   |  |  |  |
| 9.                                     |   |              |                 |            | Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height. |  |  |  |
| 10.                                    |   |              |                 |            | - Capinig, Chi ab   |  |  |  |
|  |   |              |                 |            |   |  |  |  |
| 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 =                               | 120          |                 |            |   |  |  |  |
|  | Total Gover =                               | 120          | <del></del>     |            |   |  |  |  |
| \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | (DI 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   |              |                 |            |   |  |  |  |
| Woody Vine S                           | tratum (Plot size: 30 ft. radius)           |              |                 |            |   |  |  |  |
| 1.                                     |   |              |                 |            |   |  |  |  |
| 2.                                     |   |              |                 |            |   |  |  |  |
| 3.                                     |   |              |                 |            | Hydrophytic Vegetation Present?N  |  |  |  |
| 5.                                     |   |              |                 |            |   |  |  |  |
| 4.                                     |   |              |                 |            |   |  |  |  |
|  | Total Cover =                               | 0            |                 |            |   |  |  |  |
| Remarks:                               | The upland vegetation is dominated by a mix |              | s with alfa     | lfa        |   |  |  |  |
| rtemarks.                              | The upland vegetation is dominated by a mix | or grasse.   | 5 With ana      | iiia.      |   |  |  |  |
|  |   |              |                 |            |   |  |  |  |
|  |   |              |                 |            |   |  |  |  |
| Additional l                           | Remarks:                                    |              |                 |            |   |  |  |  |
|  |   |              |                 |            |   |  |  |  |
|  |   |              |                 |            |   |  |  |  |
|  |   |              |                 |            |   |  |  |  |
|  |   |              |                 |            |   |  |  |  |