## WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site:   |  | L3R  |   |  |  |  |   |  |             |   | Date:   | 09/27/14  |             |
|---|--|--|---|--|--|--|---|--|-------------|---|---|---|-------------|
| Applicant: Enbridge   |  |  |   |  |  |  |   |  |             |   | Pennington  |   |             |
| Investigators: NTT/BEH  |  |  |   | Subregion (MLRA or LRR): MLRA 56   |  |  |   |  |             |   |   | MN  |             |
| Soil Unit:  | I53A   |  |   |  |  |  |   | I Classification   | :           |   |   |   |             |
| Landform:   | Rise   |  |   | 1001   |  | cal Relief:  |   | 2004   |             |   | Sample Point  | u-154n44w28-b2  |             |
| Slope (%):  | 3 - 7%   |  | Latitude: 48.   |  |  | Longitude  |   |  | Datum:      |   |   |   |             |
|   |  | nditions on the site   |   |  |  | ar? (If no, ex   |   |  |             | □ No  | Section:  |   |             |
| Are Vegetation  |  | □, or Hydrology  | •   | •  |  |  | Are   | e normal circun  | -           | esent?  | Township:   | Б.  |             |
| Are Vegetation  |  | □, or Hydrology  | Liaturally p  | orobie   | ematic?  |  |   | Yes  | □ No        |   | Range:  | Dir:  |             |
| SUMMARY C   |  |  | V   |  |  |  |   |  | Lludria Cai | la Duas ant?  | Ne  |   |             |
| Hydrophytic Vegetation Present? Wetland Hydrology Present?  |  |  |   | Yes<br>No  |  |  |   | Hydric Soils Present? Is This Sampling Poir                      |             |   |   |   |             |
| Remarks:  |  |  |   |  | iuot outois  | lo the edg   | o of on o                                   | victing pipeling   |             |   |   | smooth brome and Kent   | uoky bluo   |
| Remarks.  | •  | point is located in a  | an aspen it   | JIESI  | just outsic  | ie ine eug   | e or arre                                   | sxisting pipeline  | comaor. H   | ne dominan  | ii piariis are s  | sinodin brome and Kem   | ucky blue   |
| HADBOLOC  | grass.   |  |   |  |  |  |   |  |             |   |   |   |             |
| HYDROLOG  |  |  |   |  | _  |  |   |  |             |   |   |   |             |
|   |  | icators (Check all t   | that apply;   | Minir  | mum of on  | e primary  | or two s                                    | econdary requi   | red):       |   |   |   | ļ           |
| <u>Primary</u>  |  | Motor  |   |  |  | D11 Colt   | Cruct                                       |  |             | Secondary:  |   | Soil Crooks   |             |
| <ul><li>□ A1 - Surface Water</li><li>□ A2 - High Water Table</li></ul>  |  |  |   | □ B11 - Salt Crust □ B13 - Aquatic Fauna □                                       |  |  |   |  |             |   | B6 - Surface Soil Cracks B8 - Sparsely Vegetated Concave Surface  |   |             |
|   |  |  |   | □ C1 - Hydrogen Sulfide Odor □   |  |  |   |  |             |   | B10 - Drainage Patterns   |   |             |
|   | B1 - Water M   |  |   | □ C2 - Dry Season Water Table □ C3 - Oxidized Rhizospheres on Living Roots (till |  |  |   |  |             |   |   | ots (tilled)  |             |
|   | □ B2 - Sediment Deposits   |  |   |  | ☐ C3 - Oxidized Rhizospheres on Living Roots (not tills ☐ ☐ C4 Presence of Reduced Iron  |  |   |  |             |   |   | Burrows   | ļ           |
|   | B3 - Drift Dep<br>B4 - Algal Ma  |  |   | ☐ C4 - Presence of Reduced Iron ☐ C7 - Thin Muck Surface ☐                       |  |  |   |  |             |   | D2 - Geomorp  | n Visible on Aerial Imagery  phic Position                                  | ļ           |
|   | B5 - Iron Dep  |  |   |  |  | Other (Exp   |   |  |             |   | D5 - FAC-Neu  |   | ļ           |
|   |  | n Visible on Aerial Ima  | agery   |  |  |  | •   |  |             |   | D7 - Frost-He   | aved Hummocks (LRR F)   | ļ           |
|   | B9 - Water-St  | ained Leaves   |   |  |  |  |   |  |             |   |   |   |             |
| <b>-</b> :  |  |  |   |  |  |  |   |  |             |   |   |   |             |
| Field Obser   |  |  | _   |  |  | <i>(</i> 1. )  |   |  |             |   |   |   |             |
| Surface Wat   |  | Yes  |   | oth:   |  | _ (in.)  |   |  | Wetland F   | lydrology F   | Present?  | N   |             |
| Water Table   |  | Yes  |   | pth: _   |  | _ (in.)  |   |  |             |   |   | _   |             |
| Saturation Present? Yes   Depth: (in.)  |  |  |   |  |  |  |   |  |             |   |   |   |             |
| Cataration  | 10001111   | res ⊔  | Del   | pin  |  | (III.)   |   |  |             |   |   |   |             |
|   |  | res ⊔<br>stream gauge, monit   | <u> </u>  |  | photos, pr   | • ` '  | pections),                                  | , if available:  |             |   |   |   |             |
|   | corded Data (s   |  | toring well, a  | aerial   | photos, pr   | • ` '  | pections),                                  | , if available:  |             |   |   |   |             |
| Describe Rec<br>Remarks:  | corded Data (s   | stream gauge, monit  | toring well, a  | aerial   | photos, pro  | • ` '  | pections),                                  | , if available:  |             |   |   |   |             |
| Describe Rec<br>Remarks:  | corded Data (s<br>No wetland   | stream gauge, monitor hydrology indicator  | toring well, a  | aerial<br>ent.   |  | evious insp  | ·   |  | adiactora ) |   |   |   |             |
| Describe Rec<br>Remarks:<br>SOILS<br>Profile Descri   | corded Data (s  No wetland  ription (Descri  | stream gauge, monitory indicator be to the depth needs   | toring well, a  | ent.   | ent the indi   | evious insp  | onfirm th                                   | e absence of ir  |             |   |   |   |             |
| Describe Rec<br>Remarks:<br>SOILS<br>Profile Descri   | corded Data (s  No wetland  ription (Descri  | stream gauge, monitor hydrology indicator  | toring well, a  | ent.   | ent the indi   | evious insp  | onfirm th                                   | e absence of ir  |             |   |   |   |             |
| Describe Rec<br>Remarks:<br>SOILS<br>Profile Descri   | corded Data (s  No wetland  ription (Descri  | stream gauge, monitory indicator be to the depth needs   | toring well, a  | ent.   | ent the indi   | evious insp  | onfirm th                                   | e absence of ir<br>ore Lining, M=Mati                            |             |   |   |   |             |
| Describe Rec<br>Remarks:<br>SOILS<br>Profile Descri<br>(Type: C=Concer  | corded Data (s  No wetland  ription (Descri  | hydrology indicator be to the depth need to the Reduced Market Matrix  | toring well, a  | ent.   | ent the indi   | evious insp<br>cator or co<br>Grains; Loca   | onfirm th<br>tion: PL=P<br>Mottl            | e absence of ir<br>ore Lining, M=Matr                            |             | Texture   |   | Remarks   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  | No wetland iption (Descri  | be to the depth need to the Reduced Matrix  Matrix  Color (Moist)  | toring well, a  | ent.   | ent the indi   | evious insp<br>cator or co<br>Grains; Loca   | onfirm th                                   | e absence of ir<br>ore Lining, M=Mati                            | rix)        |   |   | Remarks   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18                                   | No wetland ription (Description, D=Depl  | be to the depth need to the Reduced Matrix  Color (Moist)  | toring well, a  | ent.  cume ered/C  | ent the indi   | evious insp<br>cator or co<br>Grains; Loca   | onfirm th<br>tion: PL=P<br>Mottl            | e absence of ir<br>ore Lining, M=Matr                            | rix)        | Texture<br>SCL<br>S   |   | Remarks   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.)  | No wetland iption (Descri  | be to the depth need to the Reduced Matrix  Color (Moist)  | toring well, a  | ent.   | ent the indi   | evious insp<br>cator or co<br>Grains; Loca   | onfirm th<br>tion: PL=P<br>Mottl            | e absence of ir<br>ore Lining, M=Matr                            | rix)        |   |   | Remarks   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18                                   | No wetland ription (Description, D=Depl  | be to the depth need to the Reduced Matrix  Color (Moist)  | toring well, a  | ent.  cume ered/C  | ent the indi   | evious insp<br>cator or co<br>Grains; Loca   | onfirm th<br>tion: PL=P<br>Mottl            | e absence of ir<br>ore Lining, M=Matr                            | rix)        |   |   | Remarks   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18                                   | No wetland ription (Description, D=Depl  | be to the depth need to the Reduced Matrix  Color (Moist)  | toring well, a  | ent.  cume ered/C  | ent the indi   | evious insp<br>cator or co<br>Grains; Loca   | onfirm th<br>tion: PL=P<br>Mottl            | e absence of ir<br>ore Lining, M=Matr                            | rix)        |   |   | Remarks   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18                                   | No wetland ription (Description, D=Depl  | be to the depth need to the Reduced Matrix  Color (Moist)  | toring well, a  | ent.  cume ered/C  | ent the indi   | evious insp<br>cator or co<br>Grains; Loca   | onfirm th<br>tion: PL=P<br>Mottl            | e absence of ir<br>ore Lining, M=Matr                            | rix)        |   |   | Remarks   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24                             | iption (Descri   | be to the depth need to the depth need to the depth need to the depth need to make the dept | eded to doo atrix, CS=Cove  | ent.  cume ered/C  | ent the indicated Sand Color (   | cator or co  | onfirm th                                   | e absence of in<br>fore Lining, M=Matr<br>es<br>Type             | rix)        |   |   | Remarks   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24                             | No wetland ription (Description, D=Depl  | be to the depth need to the depth need to the depth need to the depth need to make the dept | toring well, a  | ent.  cume ered/C  | ent the indicated Sand Color (   | cator or co  | onfirm th                                   | e absence of ir<br>ore Lining, M=Matr                            | rix)        | SCL<br>S  | or Problemati   |   |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  NRCS Hydr                  | No wetland ription (Description, Deplementation, Deplementatio | be to the depth need to the depth need to the depth need to the depth need to make the dept | eded to doo atrix, CS=Cove  | ent.  cume ered/C  | ent the indicoated Sand Color (  | cator or cograins; Loca  Moist)  not presen  | onfirm th                                   | e absence of in<br>fore Lining, M=Matr<br>es<br>Type             | Location    | SCL<br>S  | or Problemati   | c Soils <sup>1</sup>  |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24                             | iption (Descri   | be to the depth need to the de | eded to doo atrix, CS=Cove  | ent.  cume ered/C  00  indica  | ent the indicated Sand Color (   | cator or cograins; Loca  Moist)  not presentedox   | onfirm th                                   | e absence of in<br>fore Lining, M=Matr<br>es<br>Type             | Location    | SCL<br>S<br>Indicators f<br>A9 - 1 cm M   | luck (LRR I, J)   | c Soils <sup>1</sup>  |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  NRCS Hydr                  | Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His   | be to the depth need to the de | eded to doo atrix, CS=Cove  | ent.  cume ered/C  00  indica  S  S  F   | Color ( Cotor ( Stripped 1 - Loamy N   | cator or cograins; Loca  Moist)  Moist)  not presented ox Matrix Mucky Miner   | onfirm the tion: PL=P  Mottl %  at):        | e absence of in<br>fore Lining, M=Matr<br>es<br>Type             | Location    | Indicators for A9 - 1 cm M A16 - Coast S7 - Dark Su   | luck (LRR I, J)<br>Prairie Redox<br>urface (LRR G)  | c Soils <sup>1</sup><br>(LRR F, G, H)                                       |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  NRCS Hydr                  | ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger   | be to the depth need to the de | eded to doo atrix, CS=Cove  | ent.  cume ered/C  indica  S  F  F  F  F  F  F  F  C  C  C  C  C  C              | Color ( Color  | cator or congrains; Local  Moist)  Moist)  ot presented with the congrains of the congrain of the congrai | onfirm the tion: PL=P  Mottl %  at):        | e absence of in<br>fore Lining, M=Matr<br>es<br>Type             | Location    | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P  | luck (LRR I, J)<br>Prairie Redox<br>urface (LRR G)<br>Plains Depressi   | <u>c Soils¹</u><br>(LRR F, G, H)  |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  NRCS Hydr                  | Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified   | be to the depth need to the detion, RM=Reduced Matrix  Color (Moist)  2/1  4/1  Indicators (check ipedon stick in Sulfide Layers (LRR F)   | eded to doo atrix, CS=Cove  | ent.  cume ered/C  00  indica  S  F  F  F  F  F  F  F  F  F  F  F  F             | Color ( Color  | cator or congrains; Local Moist)  Moist)  edox Matrix Mucky Miner Gleyed Matrix Matrix   | mottl  Mottl  %  al  x                      | e absence of in<br>fore Lining, M=Matr<br>es<br>Type             | Location    | Indicators for A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P F18 - Reduc  | luck (LRR I, J)<br>Prairie Redox<br>urface (LRR G)<br>Plains Depressi<br>ed Vertic                                    | c Soils <sup>1</sup><br>(LRR F, G, H)                                       |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  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  | hydrology indicator be to the depth need to the depth need to the depth need to the depth need to the determine the depth need to the dept | eded to doc etrix, CS=Cove  | ent.  cume ered/C  indica  S  F  F  F  F  F  F  F  F  F  F  F  F                 | Color ( Color ( Solution Sand of the indicated Sand of the indicat | cator or congrains; Loca  Moist)  Moist)  edox Matrix Mucky Miner Bleyed Matrix I Matrix ark Surface   | onfirm the tion: PL=P  Mottl %  tt):        | e absence of in<br>fore Lining, M=Matr<br>es<br>Type             | Location    | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P F18 - Reduc TF2 - Red P  | luck (LRR I, J)<br>Prairie Redox<br>urface (LRR G)<br>Plains Depressi<br>ed Vertic<br>Parent Material                 | c Soils <sup>1</sup> (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73)         |             |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  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  | be to the depth need to the detection, RM=Reduced Matrix  Color (Moist)  2/1  4/1  Indicators (check to the depth need to the depth need to the depth need to the depth need to the detection, RM=Reduced Matrix  Color (Moist)  2/1  4/1  Indicators (check to the depth need to the dept | eded to doc etrix, CS=Cove  | ent.  cume ered/C  on indica  s  F  F  F  F  F  F  F  F  F  F  F  F              | Color ( Color  | cator or congrains; Local Moist)  Moist)  Moist  Mo | monfirm the tion: PL=P  Mottl %  at):  at a | e absence of in<br>fore Lining, M=Matr<br>es<br>Type             | Location    | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P F18 - Reduc TF2 - Red P TF12 - Very  | luck (LRR I, J)<br>Prairie Redox<br>urface (LRR G)<br>Plains Depressi<br>ed Vertic                                    | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73) Surface |             |
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| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  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   | be to the depth need tion, RM=Reduced Mark  Matrix  Color (Moist)  2/1  4/1  Indicators (check ipedon stice in Sulfide Layers (LRR F) ck (LRR FGH) depth surface ark Surface a | eded to docatrix, CS=Covered to the covered to the | ent.  cume ered/C  00  indica  F:            | Color ( Color  | cator or congrains; Local Moist)  Moist)  edox Matrix Mucky Miner Bleyed Matrix I Matrix Park Surface I Dark Surface Pepressions   | mottl  Mottl  %  al  at  ace                | e absence of infore Lining, M=Matro                              | Location    | Indicators for A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P F18 - Reduc TF2 - Red P TF12 - Very Other (Explain                                   | luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ed Vertic Parent Material Shallow Dark (ain in Remarks)  | c Soils <sup>1</sup> (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface |             |
| Describe Reconstruction Remarks:  SOILS Profile Descritoric (Type: C=Concert  Depth (In.) 0-18 18-24  NRCS Hydr | Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu  | be to the depth need to the determinant of the depth need to the d | eded to docatrix, CS=Covered to the covered to the | ent.  cume ered/C  00  indica  F:            | Color ( Color  | cator or congrains; Local Moist)  Moist)  edox Matrix Mucky Miner Bleyed Matrix I Matrix Park Surface I Dark Surface Pepressions   | mottl  Mottl  %  al  at  ace                | e absence of infore Lining, M=Matro                              | Location    | Indicators for A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P F18 - Reduct TF2 - Red P TF12 - Very Other (Explain Indicators of h                  | luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ed Vertic Parent Material Shallow Dark ( ain in Remarks) | c Soils <sup>1</sup> (LRR F, G, H) ons (LRR H, outside MLRA 72, 73) Surface | be present, |
| Describe Rec Remarks:  SOILS Profile Descri (Type: C=Concer  Depth (In.) 0-18 18-24  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   | be to the depth need to the determinant of the depth need to the d | eded to docatrix, CS=Covered to the covered to the | ent.  cume ered/C  00  indica  F:            | Color ( Color  | cator or congrains; Local Moist)  Moist)  edox Matrix Mucky Miner Bleyed Matrix I Matrix Park Surface I Dark Surface Pepressions   | mottl  Mottl  %  al  at  ace                | e absence of infore Lining, M=Matro                              | Location    | Indicators for A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P F18 - Reduct TF2 - Red P TF12 - Very Other (Explain Indicators of h                  | luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ed Vertic Parent Material Shallow Dark (ain in Remarks)  | c Soils <sup>1</sup> (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface | be present, |
| Describe Reconstruction Remarks:  SOILS Profile Descripor (Type: C=Concert  Depth (In.) 0-18 18-24  NRCS Hydr   | Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR Hue_10YR A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G   | be to the depth need to the determinant of the depth need to the d | eded to docatrix, CS=Covered to the covered to the | ent.  cume ered/C  00  indica  F:            | Color ( Color  | cator or congrains; Local Moist)  Moist)  Motrix Mucky Miner Gleyed Matrix ark Surface I Dark Surface Depressions ains Depressions   | mottl  Mottl  %  al  at  ace                | e absence of infore Lining, M=Matrone Es  Type  RA 72, 73 of LRF | Location    | Indicators for A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P F18 - Reduct TF2 - Red P TF12 - Very Other (Explain Indicators of hunless disturbed) | luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ed Vertic Parent Material Shallow Dark ( ain in Remarks) | c Soils <sup>1</sup> (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface | be present, |
| Describe Reconstruction Remarks:  SOILS Profile Descritoric (Type: C=Concert  Depth (In.) 0-18 18-24  NRCS Hydr | ric Soil Field  A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydrogel A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S2 - 2.5 cm M S3 - 5 cm Mu S4 - Sandy G   | be to the depth need to the determinant of the depth need to the d | eded to docatrix, CS=Covered to the covered to the | ent.  cume ered/C  00  indica  F:            | Color ( Color  | cator or congrains; Local Moist)  Moist)  Motrix Mucky Miner Gleyed Matrix ark Surface I Dark Surface Depressions ains Depressions   | mottl  Mottl  %  al  at  ace                | e absence of infore Lining, M=Matrone Es  Type  RA 72, 73 of LRF | Location    | Indicators for A9 - 1 cm M A16 - Coast S7 - Dark St F16 - High P F18 - Reduct TF2 - Red P TF12 - Very Other (Explain Indicators of hunless disturbed) | luck (LRR I, J) Prairie Redox urface (LRR G) Plains Depressi ed Vertic Parent Material Shallow Dark ( ain in Remarks) | c Soils <sup>1</sup> (LRR F, G, H) Ons (LRR H, outside MLRA 72, 73) Surface | be present, |

## WETLAND DETERMINATION DATA FORM

**Great Plains Region** 

| Project/Site:   | L3R  |               |                      |             | Sample Point: u-154n44w28-b2  |
|-----------------|--|---------------|----------------------|-------------|---|
|                 |  |               |                      |             |   |
| VEGETATIO       |  | re non-native | species.)            |             |   |
| Tree Stratum (  | (Plot size: 30 ft. radius)                 |               |                      |             | Dominance Test Werkshoot  |
| 1               | Species Name Populus tremuloides           | % Cover       | Dominant<br><b>Y</b> | Ind.Status  | Dominance Test Worksheet  |
| 1.<br>2.        | Populus tremuloides                        | 55            | T                    | FAC         | Number of Deminent Species that are OPL EACW or EAC:                    |
| 3.              |  |               |                      |             | Number of Dominant Species that are OBL, FACW, or FAC:(A)               |
| 4.              |  |               |                      |             | Total Number of Dominant Species Across All Strata: 3 (B)               |
| 5.              |  |               |                      |             | Total Number of Dominant Species Across All Strata.                     |
| 6.              |  |               |                      |             | Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)     |
| 7.              |  |               |                      |             | (A/B)   |
| 8.              |  |               |                      |             | Prevalence Index Worksheet  |
| 9.              |  |               |                      |             | Total % Cover of: Multiply by:  |
| 10.             |  |               |                      |             |   |
| 10.             |  | 55            |                      |             | OBL spp. $\begin{array}{cccccccccccccccccccccccccccccccccccc$           |
|                 | rotal Gover =                              |               | _                    |             | FAC spp. $\frac{65}{65}$ $\times 3 = \frac{195}{195}$                   |
| Sapling/Shrub 9 | Stratum (Plot size: 15 ft. radius)         |               |                      |             | FACU spp. 20  |
| 1.              | Populus tremuloides                        | 10            | Υ                    | FAC         | UPL spp. $\frac{20}{80}$ $\times 5 = \frac{400}{400}$                   |
| 2.              | 1 oparas tremarorass                       |               | <u> </u>             |             |   |
| 3.              |  |               |                      |             | Total 165 (A) 675 (B)   |
| 4.              |  |               |                      |             | (-)   |
| 5.              |  |               |                      |             | Prevalence Index = B/A = 4.091  |
| 6.              |  |               |                      |             |   |
| 7.              |  |               |                      |             |   |
| 8.              |  |               |                      |             | Hydrophytic Vegetation Indicators:                                      |
| 9.              |  |               |                      |             | Rapid Test for Hydrophytic Vegetation                                   |
| 10.             |  |               |                      |             | X Dominance Test is > 50%   |
|                 | Total Cover =                              | 10            |                      |             | Prevalence Index is ≤ 3.0 *   |
|                 |  |               |                      |             | Morphological Adaptations (Explain) *                                   |
| Herb Stratum (  | Plot size: 5 ft. radius)                   |               |                      |             | Problem Hydrophytic Vegetation (Explain) *                              |
| 1.              | Bromus inermis                             | 80            | Υ                    | UPL         |   |
| 2.              | Poa pratensis                              | 15            | N                    | FACU        | * Indicators of hydric soil and wetland hydrology must be               |
| 3.              | Cirsium arvense                            | 5             | N                    | FACU        | present, unless disturbed or problematic.                               |
| 4.              |  |               |                      |             | Definitions of Vegetation Strata:                                       |
| 5.              |  |               |                      |             |   |
| 6               |  |               |                      |             | Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast         |
| 7.              |  |               |                      |             | height (DBH), regardless of height.                                     |
| 8.              |  |               |                      |             |   |
| 9.              |  |               |                      |             | Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height. |
| 10.             |  |               |                      |             |   |
| 11.             |  |               |                      |             |   |
| 12.             |  |               |                      |             | <b>Herb</b> - All herbaceous (non-woody) plants, regardless of size.    |
| 13.             |  |               |                      |             |   |
| 14.             |  |               |                      |             |   |
| 15.             |  |               |                      |             | Woody Vines - All woody vines, regardless of height.                    |
| 101             | Total Cover =                              | 100           |                      |             |   |
|                 | 10tai 00v0i =                              | 100           |                      |             |   |
| Woody Vine St   | ratum (Plot size: 30 ft. radius)           |               |                      |             |   |
| 1.              | Tatam (Fiot Size: Oo It. Tadias)           |               |                      |             |   |
| 2.              |  |               |                      |             |   |
| 3.              |  |               |                      |             | Hydrophytic Vegetation Present?   |
| 5.              |  |               |                      |             |   |
| 4.              |  |               |                      |             |   |
|                 | Total Cover =                              | 0             |                      |             |   |
| Remarks:        | Dominant plants within the upland area are |               | pen and sr           | mooth bro   | ome.  |
| - Komanko       | Deminant plante main the aplant area are   | quanting ac   | por and or           | 1100411 510 |   |
|                 |  |               |                      |             |   |
| Additional D    | ) omarka                                   |               |                      |             |   |
| Additional R    | kemarks:                                   |               |                      |             |   |
|                 |  |               |                      |             |   |
|                 |  |               |                      |             |   |
|                 |  |               |                      |             |   |