WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site: | | L3R | | | | | | | | Date: | 08/02/14 | - |
|---|--|--|---|--|--|-----------------------------------|---|-----------------|---|--|--|---------------------|
| Applicant: | | Enbridge | | | 0 1 | /A 41 D A | | | | County: | Kittson | _ |
| Investigators | | BCS/BEH/MRK | | | Subregio | • | A or LRR): | MLRA 56 | | State: | MN | - |
| Soil Unit: | 1140A | | | _ | | | I Classification | : | | | 450 400 | |
| Landform: | Talf 0 - 2% | | Latitude: 48.6 | | cal Relief: | | 1560667 | Detum | | Sample Point | u-159n48w6-d1 | |
| Slope (%): | | onditions on the site | | | Longitude: | | | Datum: | □ No | Section: | | |
| Are Vegetation | | □, or Hydrology | | | ai: (II IIO, ex | 1 | e normal circun | | | Township: | | |
| Are Vegetation | | □, or Hydrology | | | | | e normal circuit ☑ Yes | | cociii: | Range: | Dir: | |
| SUMMARY C | | | diatarany pro | bicinatio: | | | E 163 | □ 1 10 | | range. | Dil. | |
| Hydrophytic ' | | | No | | | | | Hydric Soi | ls Present? | No | | |
| Wetland Hyd | • | | No | | _ | | | | | nt Within A W | etland? No | |
| Remarks: | | | | Ifalfa and tim | othy. The | site is or | n a narrow rise | | | | djacent narrow dep | ression. |
| | | | | | y | | | | , | g | -, | |
| HYDROLOG | Υ | | | | | | | | | | | |
| | | icators (Check all | that annly: M | inimum of on | a nrimary | or two s | econdary requi | red): | | | | |
| Primary | | icators (Crieck all | ι τι αι αρρίγ, ίνι | iriiiriurii or ori | ерппагу | OI two S | econdary requi | ieu). | Secondary: | | | |
| <u> </u> | A1 - Surface | Water | | | B11 - Salt | Crust | | | | B6 - Surface S | Soil Cracks | |
| | A2 - High Wa | | | | B13 - Aqua | | | | | | Vegetated Concave S | Surface |
| | A3 - Saturation | | | | C1 - Hydro | | | | | B10 - Drainag | | 5 . (.), (.) |
| | B1 - Water M B2 - Sedimer | | | | C2 - Dry S | | ater Table spheres on Living | Poots (not till | , – | C3 - Oxidized C8 - Crayfish | Rhizospheres on Livir | ng Roots (tilled) |
| | B3 - Drift Dep | • | | | | | educed Iron | NOOLS (HOL LIII | , – | | n Visible on Aerial Ima | agery |
| | B4 - Algal Ma | | | | C7 - Thin N | | | | _ | D2 - Geomory | | .go.y |
| | B5 - Iron Dep | | | | Other (Exp | olain) | | | | D5 - FAC-Net | | |
| | | on Visible on Aerial Im | nagery | | | | | | | D7 - Frost-He | aved Hummocks (LRF | R F) |
| | B9 - water-S | tained Leaves | | | | | | | | | | |
| Field Obser | vations | | | | | | | | | | | |
| | | Vaa | Donath | | (in) | | | | | | | |
| Surface Wat | | Yes □ Yes □ | Depth | | (in.) | | | Wetland F | lydrology | Present? | N | |
| Water Table | | | Depth | | (in.) | | | | | | | |
| Saturation Present? Yes Depth: (in.) | | | | | | | | | | | | |
| | | | <u> </u> | | <u> </u> | | | | | | | |
| | | stream gauge, moni | itoring well, ae | rial photos, pr | evious insp | ections), | , if available: | | | | | |
| Describe Rec | | stream gauge, moni or secondary hydr | itoring well, ae | rial photos, pr | evious insp | pections), | , if available: | | | | | |
| Remarks: | | | itoring well, ae | rial photos, pr | evious insp | ections), | , if available: | | | | | |
| Remarks: | No primary | or secondary hydr | itoring well, ae | rial photos, pro ators were ob | evious inspectived. | , | | odicatore) | | | | |
| Remarks: SOILS Profile Descri | No primary | or secondary hydr | itoring well, ae cological indicate | rial photos, pro ators were ob ment the indi | evious insposerved. | onfirm th | e absence of ir | | | | | |
| Remarks: SOILS Profile Descri | No primary | or secondary hydr | itoring well, ae cological indicate | rial photos, pro ators were ob ment the indi | evious insposerved. | onfirm th | e absence of ir | | | | | |
| Remarks: SOILS Profile Descri | No primary | or secondary hydr | itoring well, ae cological indicate | rial photos, pro ators were ob ment the indi | evious insposerved. | onfirm th | e absence of in Fore Lining, M=Mati | | | | | |
| Remarks: SOILS Profile Descri (Type: C=Concer | No primary | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix | itoring well, ae cological indicate | rial photos, pro ators were ob ment the indi d/Coated Sand | evious insposerved. cator or co | onfirm th | e absence of in Fore Lining, M=Mati | | Texture | | Remarks | |
| Remarks: SOILS Profile Descri (Type: C=Concer | No primary iption (Descr | or secondary hydrone ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) | itoring well, ae cological indicated to docu atrix, CS=Covere | ment the indid/Coated Sand | evious insposerved. cator or co | onfirm th tion: PL=P Mottle | e absence of in Fore Lining, M=Mati | rix) | Texture | | Remarks | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 | No primary iption (Descr | or secondary hydrone ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) | itoring well, ae cological indicated to docu | ment the indi | evious insposerved. cator or congrains; Loca Moist) | onfirm th tion: PL=P Mottle | e absence of in Fore Lining, M=Mati | rix) | Texture C | Mixed matrix; no | | |
| Remarks: SOILS Profile Descri (Type: C=Concer | No primary iption (Descr | or secondary hydrone ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) | itoring well, ae rological indicated to docuatrix, CS=Covere | ment the indid/Coated Sand | evious insposerved. cator or congrains; Loca Moist) | onfirm th tion: PL=P Mottle | e absence of ir ore Lining, M=Mati es Type | Location | Texture C | Mixed matrix; no | | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 | No primary iption (Descr | or secondary hydrone ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) | itoring well, ae rological indicated to docuatrix, CS=Covere | ment the indi | evious insposerved. cator or congrains; Loca Moist) | onfirm th tion: PL=P Mottle | e absence of ir ore Lining, M=Mati es Type | Location | Texture C C | Mixed matrix; no | | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 | No primary iption (Descr | or secondary hydrone ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) | itoring well, ae rological indicated to docuatrix, CS=Covere | ment the indi | evious insposerved. cator or congrains; Loca Moist) | onfirm th tion: PL=P Mottle | e absence of ir ore Lining, M=Mati es Type | Location | Texture C C | Mixed matrix; no | | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 | No primary iption (Descr | or secondary hydrone ibe to the depth ne etion, RM=Reduced Matrix Color (Moist) | itoring well, ae rological indicated to docuatrix, CS=Covere | ment the indi | evious insposerved. cator or cograins; Loca Moist) | onfirm th tion: PL=P Mottle | e absence of ir ore Lining, M=Mati es Type | Location | Texture C C | Mixed matrix; no | | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | No primary iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_2.5Y | or secondary hydrone ibe to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 4/2 | itoring well, ae rological indicated to docu atrix, CS=Covere % | ment the indid/Coated Sand (Coated Sand (Coa | evious inspected. cator or congrains; Loca Moist) 2/1 | Mottle 30 | e absence of ir ore Lining, M=Mati es Type | Location | Texture C C | Mixed matrix; no | | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | No primary iption (Descr | or secondary hydrone ibe to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 4/2 | itoring well, ae rological indicated to docuatrix, CS=Covere | ment the indid/Coated Sand (Coated Sand (Coa | evious inspected. cator or congrains; Loca Moist) 2/1 | Mottle 30 | e absence of in Fore Lining, M=Mate es Type C | Location | C | | redox present | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 NRCS Hydr | No primary iption (Description, D=Deplementation, D=Deplementation) Hue_10YR Hue_2.5Y | or secondary hydrone ibe to the depth neetion, RM=Reduced Matrix Color (Moist) 2/1 4/2 | itoring well, ae rological indicated to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Hue_10YR | evious inspected. cator or congrains; Loca Moist) 2/1 not present | Mottle 30 | e absence of in Fore Lining, M=Mate es Type C | Location | C | for Problemati | redox present | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | No primary iption (Description, D=Deplete Intration, D=Deplete Intratio | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch | itoring well, ae rological indicated to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped | evious inspections inspections. cator or constraints; Location (Constitution) 2/1 anot presented (Constitution) edox Matrix | Mottle % 30 | e absence of in Fore Lining, M=Mate es Type C | Location | Indicators 1 A9 - 1 cm M A16 - Coast | for Problemati luck (LRR I, J) Prairie Redox | redox present ic Soils¹ (LRR F, G, H) | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | No primary iption (Description, D=Depleter) Hue_10YR Hue_2.5Y ric Soil Field A1- Histosol A2 - Histic Ep A3 - Black History | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch | itoring well, ae rological indicated to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N | evious inspections in special content or con | mottle was al | e absence of in Fore Lining, M=Mate es Type C | Location | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S | for Problemati luck (LRR I, J) Prairie Redox urface (LRR G | redox present ic Soils¹ (LRR F, G, H) | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | No primary iption (Description, D=Depindent Description) Hue_10YR Hue_2.5Y A1- Histosol A2 - Histic Ep A3 - Black History A4 - Hydroge | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch | itoring well, ae rological indica eeded to docu atrix, CS=Covere % 100 70 neck here if in | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C | evious inspections in spections in spections. Cator or construction of present in the cator or construction of present in the cator or construction of present in the cator or cator o | mottle was al | e absence of in Fore Lining, M=Mate es Type C | Location | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F | for Problemati luck (LRR I, J) Prairie Redox urface (LRR G | redox present ic Soils ¹ (LRR F, G, H) | , 73) |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | Hue_10YR Hue_2.5Y A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (ch | itoring well, ae rological indicate eded to docu atrix, CS=Covere | ment the indid/Coated Sand of Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy G F3 - Depleted | evious inspections in special content of con | mottle % 30 t): | e absence of in Fore Lining, M=Mate es Type C | Location | Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduce | for Problemati luck (LRR I, J) Prairie Redox urface (LRR G Plains Depressi ced Vertic | redox present ic Soils¹ (LRR F, G, H) | , 73) |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | Hue_10YR Hue_2.5Y Tic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (chappedon stic in Sulfide in Layers (LRR F) in ck (LRR FGH) | itoring well, ae rological indicate eded to docu atrix, CS=Covere | ment the indid/Coated Sand Color (Mue_10YR) Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy R F2 - Loamy R F3 - Depleted F6 - Redox D | evious inspections in spectrum. cator or construction of present edox Matrix Mucky Miner Bleyed Matrix I Matrix ark Surface | mottle was all x | e absence of in Fore Lining, M=Mate es Type C | Location | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc | for Problemati luck (LRR I, J) Prairie Redox urface (LRR G Plains Depressi ced Vertic Parent Material | redox present ic Soils¹ (LRR F, G, H)) Ons (LRR H, outside MLRA 72, | , 73) |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | Hue_10YR Hue_2.5Y Tic Soil Field A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A9 - 1 cm Mu | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (chapted on stice on Sulfide | itoring well, ae rological indicate eded to docu atrix, CS=Covere | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D | evious inspections in special content of con | mottle was all and a sceles. | es Type | Location | Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very | for Problemati luck (LRR I, J) Prairie Redox urface (LRR G Plains Depressi ced Vertic | redox present ic Soils¹ (LRR F, G, H)) ons (LRR H, outside MLRA 72, | , 73) |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | iption (Description, D=Depindration, D=Depindration, D=Depindration, D=Depindration, D=Depindration, D=Depindration, D=Depindratic S1 - Stratified A1 - Histosol A2 - Histic Epindratic A3 - Black History A3 - Black History A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick Epindratic S1 - Sandy Missing A1 - Sandy Missi | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (chappedon stic in Sulfide I Layers (LRR F) ick (LRR FGH) ied Below Dark Surface fucky Mineral | itoring well, ae rological indica eeded to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D | evious inspections in special content of con | mottle was all and a sceles. | e absence of in Fore Lining, M=Mate es Type C | Location | Indicators 1 A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very | for Problemati luck (LRR I, J) Prairie Redox urface (LRR G Plains Depressi ced Vertic Parent Material Shallow Dark | redox present ic Soils¹ (LRR F, G, H)) ons (LRR H, outside MLRA 72, | , 73) |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | Hue_10YR Hue_2.5Y Tic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (change of the color of the co | itoring well, ae rological indicate eeded to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D | evious inspections in special content of con | mottle was all and a sceles. | es Type | Location | Indicators f A9 - 1 cm M A16 - Coast S7 - Dark S F16 - High F F18 - Reduc TF2 - Red F TF12 - Very Other (Expla | for Problemation Juck (LRR I, J) Prairie Redox urface (LRR G) Plains Depression Depress | redox present c Soils¹ (LRR F, G, H) ons (LRR H, outside MLRA 72, Surface | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | Hue_10YR Hue_2.5Y Tic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm Mu | or secondary hydrometric ibe to the depth neetion, RM=Reduced Marix Matrix Color (Moist) 2/1 4/2 Indicators (characters) ipedon stic in Sulfide in Layers (LRR F) in Sulfide in Sulfi | itoring well, ae rological indicate eeded to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D | evious inspections in special content of con | mottle was all and a sceles. | es Type | Location | Indicators of Page 14 Page 14 Page 14 Page 15 Page 15 Page 16 | for Problemation Juck (LRR I, J) Prairie Redox urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark ain in Remarks | redox present ic Soils¹ (LRR F, G, H)) ons (LRR H, outside MLRA 72, | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | Hue_10YR Hue_2.5Y Tic Soil Field A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A9 - 1 cm Mu A11 - Deplete A12 - Thick D S1 - Sandy M S2 - 2.5 cm M | or secondary hydrometric ibe to the depth neetion, RM=Reduced Marix Matrix Color (Moist) 2/1 4/2 Indicators (characters) ipedon stic in Sulfide in Layers (LRR F) in Sulfide in Sulfi | itoring well, ae rological indicate eeded to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D | evious inspections in spections in spections. Cator or construction of present and presen | mottle was all and a sceles. | es Type | Location | Indicators of Page 14 Page 14 Page 14 Page 15 Page 15 Page 16 | for Problemation Juck (LRR I, J) Prairie Redox urface (LRR G) Plains Depression Depress | redox present c Soils¹ (LRR F, G, H) ons (LRR H, outside MLRA 72, Surface | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 NRCS Hydr | Hue_10YR Hue_2.5Y Hue_2.5Y 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 | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (characters) ipedon stic in Sulfide I Layers (LRR F) ick (LRR FGH) ied Below Dark Surface fucky Mineral Mucky Peat or Peat (Licky Peat or Peat (LRI leyed Matrix | itoring well, ae rological indicate eeded to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Mue_10YR) dicators are results of the same | evious inspectived. cator or control of cator or | mottle was all and a sceles. | es Type C RA 72, 73 of LRF | Location | Indicators of A9 - 1 cm MA16 - Coast S7 - Dark SF16 - High FF18 - Reduct TF2 - Red FTF12 - Very Other (Explain Indicators of Funless disturbed) | for Problemation Juck (LRR I, J) Prairie Redox urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark ain in Remarks | redox present c Soils¹ (LRR F, G, H) ons (LRR H, outside MLRA 72, Surface | |
| Remarks: SOILS Profile Descri (Type: C=Concer Depth (In.) 0-15 15-21 | Hue_10YR Hue_2.5Y Hue_2.5Y A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A1- Deplete A1- Thick D S1 - Sandy M S2 - 2.5 cm M S3 - 5 cm M S4 - Sandy G | or secondary hydr ibe to the depth ne etion, RM=Reduced Ma Matrix Color (Moist) 2/1 4/2 Indicators (characters) ipedon stic in Sulfide I Layers (LRR F) ick (LRR FGH) ied Below Dark Surface fucky Mineral Mucky Peat or Peat (Licky Peat or Peat (LRI leyed Matrix | itoring well, ae rological indicate eeded to docu atrix, CS=Covere % | ment the indid/Coated Sand Color (Hue_10YR dicators are r S5 - Sandy R S6 - Stripped F1 - Loamy N F2 - Loamy C F3 - Depleted F6 - Redox D F7 - Depleted F8 - Redox D | evious inspectived. cator or control of cator or | mottle was all and a sceles. | es Type C RA 72, 73 of LRF | Location | Indicators of A9 - 1 cm MA16 - Coast S7 - Dark SF16 - High FF18 - Reduct TF2 - Red FTF12 - Very Other (Explain Indicators of Funless disturbed) | for Problemation Juck (LRR I, J) Prairie Redox urface (LRR G) Plains Depression ced Vertic Parent Material Shallow Dark ain in Remarks | redox present c Soils¹ (LRR F, G, H) ons (LRR H, outside MLRA 72, Surface | |

WETLAND DETERMINATION DATA FORM

Great Plains Region

| Project/Site: | L3R | - | | | Sample Point: u-159n48w6-d1 |
|------------------|--|---------------|---|------------|---|
| | | | | | • |
| VEGETATIO | N (Species identified in all uppercase ar | re non-native | species.) | | |
| Tree Stratum (| Plot size: 30 ft. radius) | | | | |
| | <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:(B) |
| 5. | | | | | |
| 6. | | | | | Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) |
| 7. | | | | | |
| 8. | | | | | Prevalence Index Worksheet |
| 9. | | | | | Total % Cover of: Multiply by: |
| 10. | | | | | OBL spp. 0 |
| | Total Cover = | · <u> </u> | FACW spp. $\underline{\qquad}$ $X 2 = \underline{\qquad}$ $\underline{\qquad}$ 10 | | |
| | | | FAC spp. $\underline{\qquad}$ $\underline{\qquad}$ $\underline{\qquad}$ $\underline{\qquad}$ 15 | | |
| Sapling/Shrub S | Stratum (Plot size: 15 ft. radius) | | | | FACU spp 50 |
| 1. | | | | | UPL spp 50 |
| 2. | | | | | |
| 3. | | | | | Total 110 (A) 475 (B) |
| 4. | | | | | |
| 5. | | | | | Prevalence Index = B/A = 4.318 |
| 6. | | | | | |
| 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) * |
| Herb Stratum (| Plot size: 5 ft. radius) | | | | Problem Hydrophytic Vegetation (Explain) * |
| 1. | Medicago sativa | 45 | Υ | UPL | |
| 2. | Phleum pratense | 30 | Υ | FACU | * Indicators of hydric soil and wetland hydrology must be |
| 3. | Elymus repens | 10 | N | FACU | present, unless disturbed or problematic. |
| 4. | Trifolium hybridum | 10 | N | FACU | Definitions of Vegetation Strata: |
| 5. | Bromus inermis | 5 | N | UPL | |
| 6 | Hordeum jubatum | 5 | N | FACW | Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast |
| 7. | Sonchus arvensis | 5 | N | FAC | height (DBH), regardless of height. |
| 8. | | | | | |
| 9. | | | | | Sapling/Shrub - Woody plants less than 3 in. DBH, regardless of height. |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | Herb - All herbaceous (non-woody) plants, regardless of size. |
| 13. | | | | | 7,1 |
| 14. | | | | | |
| 15. | | | | | Woody Vines - All woody vines, regardless of height. |
| 13. | Total Cover | 110 | | | vvoody villes - 7 iii woody villos, Togalialoso of Holgini |
| | Total Cover = | 110 | _ | | |
| Marsha Vissa Ot | (District 2004) | | | | |
| Woody Vine St | ratum (Plot size: 30 ft. radius) | | | | |
| 1. | | | | | |
| 2. | | | | | Undrophytic Verstation Descrit |
| 3. | | | | | Hydrophytic Vegetation Present?N |
| 5. | | | | | |
| 4. | Tatal Carret | | | | |
| Damasadaa | Total Cover = | | | | |
| Remarks: | The sample point is dominated by alfalfa and | d timothy. | | | |
| | | | | | |
| | | | | | |
| Additional R | Remarks: | | | | |
| | | | | | |
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