WETLAND DETERMINATION DATA FORM Great Plains Region

| Project/Site: | | | | | | | | | | | | |
|--|--|--|---|---|--|--|--|---|--|---|--|--|
| | | L3R | | | | | | | | Date: | 06/26/14 | |
| Applicant: | | | | | | | | | | County: | Kittson | |
| Investigators | | | | Subregion (MLRA or LRR): MLRA 56 | | | | | | State: | MN | |
| Soil Unit: | I248A | | | | | NWI | Classification | | | | | |
| Landform: | Depression | | | Lo | cal Relief: | LC | | | | Sample Point: | w-160n50w10-a2 | |
| Slope (%): 0 - 2% Latitude: 48.69899442 Longitude: -97.1066337452 Datum: | | | | | | | | | | | | |
| Are climatic/h | nydrologic co | nditions on the site | e typical for | this time of yea | ar? (If no, exp | olain in remai | rks) | ⊡Yes | 🗆 No | Section: | | |
| Are Vegetatio | on 🖵 Soil | 🖾 or Hydrology | gnificant | tly disturbed? | | Are | normal circun | nstances pr | esent? | Township: | | |
| Are Vegetatio | | 🗖 or Hydrology | | | | | Yes | □No | | Range: | Dir: | |
| SUMMARY C | | | , i | | | | | | | Ū | | |
| Hydrophytic Vegetation Present? Yes Hydric Soils Present? Yes | | | | | | | | | | | | |
| | | | | Yes | | | Is This Sampling Point Within A Wetland? Yes | | | | | |
| Remarks: | | | | ed ditch that is | located h | etween c | ron fields. The | | | | | |
| Remarks: The wetland sample point is in an excavated ditch that is located between crop fields. The ditch was created to drain the adjacent land. Narrow-leaf cattail and quackgrass dominate the ditch. An open mud flat covers a large portion of the sample area. | | | | | | | | | | | | |
| HYDROLOG | | | | | o a lai go pi | | and dample are | | | | | |
| | | | | | | | | | | | | |
| Wetland Hy | drology Ind | icators (Check all | that apply; I | Minimum of or | e primary | or two se | condary requi | red): | | | | |
| Primary: | | | | _ | | | | | Secondary: | | | |
| A1 - Surface Water | | | | | B11 - Salt (| | | | | | oil Cracks | |
| ✓ ✓ | A2 - High Wa A3 - Saturatio | | | | B13 - Aqua C1 - Hydro | | a Odor | | | B8 - Sparsely B10 - Drainage | /egetated Concave Surface | |
| | B1 - Water M | | | | C2 - Dry Se | | | | | | Rhizospheres on Living Roots (tilled | |
| Ē | B2 - Sedimen | | | | | | pheres on Living | Roots (not til | | C8 - Crayfish E | | |
| | B3 - Drift Dep | | | | C4 - Prese | | | | | | Visible on Aerial Imagery | |
| 4 | B4 - Algal Ma | | | | C7 - Thin N | | се | | | D2 - Geomorp | | |
| | B5 - Iron Dep | | | | Other (Exp | lain) | | | | D5 - FAC-Neut | | |
| | B7 - Inundatio B9 - Water-Si | n Visible on Aerial Ima | agery | | | | | | | D7 - Frost-Hea | ved Hummocks (LRR F) | |
| | D9 - Waler-Si | aneu Leaves | | | | | | | | | | |
| F : 11.01 | | | | | | | | | | | | |
| Field Observ | | _ | | | | | | | | | | |
| Surface Wate | | _ | Dep | | (in.) | | | Wetland H | lydrology l | Present? | Y | |
| Water Table | | Yes 🗹 | Dep | | (in.) | | | | ., | | | |
| Saturation Present? Yes Depth: 0 (in.) | | | | | | | | | | | | |
| Gataratorri | coont: | res 🖻 | Dep | th: 0 | (in.) | | | | | | | |
| | | | | | _ 、 , | ections). | if available: | | | | | |
| Describe Reco | orded Data (s | stream gauge, monit | toring well, a | erial photos, pr | evious insp | | | other areas | of the ditch | An algal mat | was also observed | |
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WETLAND DETERMINATION DATA FORM

Great Plains Region

| Project/Site: | L3R | | | | Sample Point: w-160n50w10-a2 | | | | | |
|--|--|---------------|-----------|------------|--|--|--|--|--|--|
| VEOETATIO | | | | | | | | | | |
| VEGETATION Tree Stratum (| N (Species identified in all uppercase an Plot size: 30 ft. radius) | re non-native | species.) | | | | | | | |
| | <u>Species Name</u> | % Cover | Dominant | Ind.Status | Dominance Test Worksheet | | | | | |
| 1. | | | | | | | | | | |
| 2. | | | | | Number of Dominant Species that are OBL, FACW, or FAC: 1 (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: <u>50.0%</u> (A/B) | | | | | |
| 7. | | | | | | | | | | |
| 8. | | | | | Prevalence Index Worksheet | | | | | |
| 9. | | | | | Total % Cover of: Multiply by: | | | | | |
| 10. | | | | | OBL spp. 30 x 1 = 30 | | | | | |
| | Total Cover = | 0 | _ | | FACW spp. 0 x 2 = 0 | | | | | |
| Conling/Chrub (| Stratum (Diataiza: 15 ft. radius) | | | | FAC spp. 0 \times 3 = 0 | | | | | |
| Sapling/Shrub 3 | Stratum (Plot size: 15 ft. radius) | | | | FACU spp. 20 x 4 = 80 UPL spp. 0 x 5 = 0 | | | | | |
| 2. | <u> </u> | | | | | | | | | |
| 3. | <u> </u> | | | | Total 50 (A) 110 (B) | | | | | |
| 4. | <u></u> | | | | | | | | | |
| 5. | <u></u> | | | | Prevalence Index = B/A = 2.200 | | | | | |
| 6. | <u></u> | | | | | | | | | |
| 7. | | | | | | | | | | |
| 8. | | | | | Hydrophytic Vegetation Indicators: | | | | | |
| 9. | | | | | Rapid Test for Hydrophytic Vegetation | | | | | |
| 10. | | | | | Dominance Test is > 50% | | | | | |
| | Total Cover = | 0 | | | X Prevalence Index is ≤ 3.0 * | | | | | |
| | | | | | Morphological Adaptations (Explain) * | | | | | |
| Herb Stratum (I | Plot size: 5 ft. radius) | | | | Problem Hydrophytic Vegetation (Explain) * | | | | | |
| 1. | Typha angustifolia | 25 | Y | OBL | | | | | | |
| 2. | Elymus repens | 10 | Y | FACU | * Indicators of hydric soil and wetland hydrology must be | | | | | |
| 3. | Trifolium hybridum | 5 | Ν | FACU | present, unless disturbed or problematic. | | | | | |
| 4. | Ambrosia artemisiifolia | 5 | Ν | FACU | Definitions of Vegetation Strata: | | | | | |
| 5. | Persicaria amphibia | 5 | N | OBL | | | | | | |
| 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. | | | | | U. J. All herbasseus (non weady) plants, regardless of size | | | | | |
| 12. | | | | | Herb - All herbaceous (non-woody) plants, regardless of size. | | | | | |
| 13. | | | | | | | | | | |
| 14. | | | | | Woody Vines - All woody vines, regardless of height. | | | | | |
| 15. | Total Original | 50 | | | WOOUY VIIIes - / W WOOUY VIIIes, regardless of height. | | | | | |
| | Total Cover = | 50 | | | | | | | | |
| Woody Vine St | ratum (Plot size: 30 ft. radius) | | | | | | | | | |
| 1. | | | | | | | | | | |
| 2. | | | | | | | | | | |
| 3. | | | | | Hydrophytic Vegetation Present? Y | | | | | |
| 5. | | | | | | | | | | |
| 4. | | | | | | | | | | |
| | Total Cover = | | | | | | | | | |
| Remarks: The sample point is dominated by narrow-leaf cattail and quack grass. Water smartweed, eastern ragweed, and alsike clover are present in lower densities. | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Additional Remarks: | | | | | | | | | | |
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