

Name: **Dakota County Fen Study/ Management Plan**

Description of Activity:

Complete a gaps analysis in coordination with the Minnesota Department of Natural Resources (DNR) to assist in the protection of groundwater-dependent resources. End goal is to develop (along with the DNR) a management plan for all fens in the LMRWD. This project would assist the development of rules and a permitting program for activity in High Value Resource Areas identified in the LMRWD Watershed Management Plan Amendment.

Workplan Activities

1. Administrative Costs – Contract management
 - a. Budget: \$2,400 (WBF - \$1,308 and LMRWD match \$1,092)
 - b. Timeline: October 2018 – December 2019
2. Gaps analysis – Complete a comprehensive review of available information on the fens within the District, specifically the fens in Dakota county. The review will consider information needed to complete task 2.
 - a. Budget: \$10,000 (WBF - \$5,450 and LMRWD match \$4,550)
 - b. Timeline: October 2018 – December 2018
3. Conceptual site models – Complete site model for each fen research in task 1. Each CSM will present the a) topography and land use, b) geology, c) hydrogeology, d) geochemistry and e) sources and sinks of groundwater.
 - a. Budget: \$47,600 (WBF - \$25,942 and LMRWD match \$21,658)
 - b. Timeline: January 2019 – June 2019
4. Fen management plan – Using the information gathered in tasks 1 and 2 to develop a sustainable management plan for each fen.
 - a. Budget: \$60,000 (WBF - \$32,700 and LMRWD match \$27,300)
 - b. Timeline: June 2019 – December 2019