

## **Project Summary**

### **Rocky Mountains Cooperative Ecosystem Studies Unit**

**Project Title:** Stratigraphic Controls on Brine Movement in the Prairie Pothole Region

**Type of Project:** Research

**Project Discipline:** Natural

**Funding Agency:** USGS

**Other Partners/Cooperators:** University of Montana - Montana Tech

**Effective Dates:** 9/22/2009 - 9/10/2014

**Funding Amount:** \$45,833 [FY11: \$30,833; FY09: \$15,000]

**Investigators and Agency Representative:**

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**Agency:** Rick Sojda, USGS, Northern Rocky Mountain Science Center, 229 AJM Johnson Hall, Bozeman, MT; Phone: 406-994-1820; Fax: 406-994-6556; sojda@usgs.gov

**Project Abstract:**

The objectives of this proposed research is to develop geologic and geomorphic spatial data sets that will be constructed using existing soil maps, geologic maps, aerial photographs, satellite data, well logs, and other sources of available data. These spatial data sets will be of a regional scale covering the east half of Sheridan County Montana which includes most of the prairie potholes and includes wetlands and grasslands managed by the Medicine Lake Wildlife Refuge.

**Outcomes with completion dates:** The final report shall be submitted within 90 days of the end of the project period.

**Keywords:** Stratigraphic Controls, prairie potholes, Sheridan County Montana, USGS, University of Montana - Montana Tech