

Rocky Mountains Cooperative Ecosystem Studies Unit  
Project Summary

**Project Title:** Updating the geologic map of Yellowstone National Park to celebrate the park's sesquicentennial and meet 21st century resource management needs.

**Discipline:** Natural

**Type of Project:** Technical Assistance and Education

**Funding Agency:** National Park Service

**Other Partners/Cooperators:** Montana State University

**Student Participation:** Yes, Undergrad and Graduate

**Effective Dates:** From date of final signature through December 31, 2022

**Funding Amount:** \$40,000

**Investigators and Agency Representative:**

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**Project Abstract:**

Project Goals – Deliver an updated and seamless digital geologic map of Yellowstone National Park to celebrate the park's sesquicentennial in 2022 and support resource management needs. This mapping project provides necessary geologic information to park managers for science-based resource management, as well as providing new information accessible to the public at large. Public interest in the geology of Yellowstone National Park is high because it is home to more than half of the world's geysers, is the world's first national park, is what some term a "supervolcano", and is celebrating its sesquicentennial (150th anniversary) in 2022.

Project Objectives – At the end of the term of this agreement, the recipient will have recruited a graduate student and undergraduate assistants to conduct field mapping in order to resolve gaps and inconsistencies in available mapping, update geologic interpretations to reflect modern understanding, and enter the data into a geographic information system (GIS).