

**Rocky Mountains Cooperative Ecosystem Studies Unit  
Project Summary**

**Task Agreement #:** P21AC11120

**Project Title:** Evaluate Long-Term Monitoring Data to understand how climate change may influence observed changes.

**Discipline:** Natural

**Type of Project:** Research/Technical Assistance

**Funding Agency:** National Park Service

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

**Student Participation:** No

**Effective Dates:** September 15, 2021 to December 31, 2026

**Funding Amount** \$93,000

**Investigators and Agency Representative:**

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**Project Abstract:**

**Project goals:** The goal of our partnership with the Recipient is to collaborate towards a scientifically robust and credible inventory and monitoring program designed to detect change in natural resources within the parks of the Greater Yellowstone Network. This partnership also provides the opportunity for academic scientists to gain experience applying science that can be used to inform the conservation of public lands for future generations.

**Project objectives:** 1. Develop research goals and a study plan to a) assess the current understanding and research on the vital signs monitored by the network b) evaluate the link between observed changes in one or more of the targeted vital signs, climate, and other variables and c) outline additional potential research projects on one or more of these vital signs.

2. Conduct analyses, develop statistical coding and synthesize/report findings via manuscripts, reports, and/or visualization tools focused on the targeted vital signs that have been monitored over the past 16 plus years of long-term monitoring data.