

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Controls on Sperry Glacier Surface Mass Balance: Segregating Measurement Error and Local Effect from the Climate Signal

Type of Project: Research

Project Discipline: Natural

Funding Agency: USGS

Other Partners/Cooperators: University of Montana

Effective Dates: 3/1/2009 - 12/31/2009

Funding Amount: \$18,000

Investigators and Agency Representative:

Investigator: Joel Harper, Dept. of Geosciences, U. of Montana, 32 Campus Drive #1296, Missoula, MT 59812, 406-243-5867

Agency: Dan Fagre, USGS Northern Rocky Mountain Science Center, c/o Glacier National Park, West Glacier, MT 59936-0128

Project Abstract:

Objectives include: 1.) complete the analysis of the data collected during the field campaigns, 2.) conduct and error analysis of the measurements and computed mass balance and net volume change, and 3.) use the results to determine the climatic and topographic influences on mass balance at Sperry Glacier.

Outcomes with completion dates:

Keywords: Glaciers, mass balance, climate change