

# Determining the controls on bedrock exposure and erosion in steep landscapes

*Pennsylvania State University*



This project aims to quantify the controls climate and vegetation on soil production and erosion rates in steep landscapes, where there is a mix of soil and bedrock at the surface.

We have collected samples from multiple watershed in the Eastern Sierra Nevada Mountains in California in order to quantify how erosion rates vary across a gradient in climate and vegetation.



**Visitor:** Sarah Jonathan

**Visit dates:** February 21 - March 11 and May 9 - 20, 2022

Sarah Jonathan is a PhD student at Penn State studying geomorphology. She is interested in how climate and ecology shape geomorphic processes.