

SAM STRUTHERS

| 651-900-2412 | Sam.struthers2000@gmail.com | www.linkedin.com/in/samuel-struthers

Education

Colorado State University

Fall 2018 – Spring 2021

B.S. in Watershed Science, *magna cum laude*

Final GPA of 3.9.

Dean's List Fall 2018, 2019, 2020 and Spring 2020, 2021.

Central High School

2014 - 2018

Graduated with High Honors and 3.94 GPA. AP Scholar with distinction after completion of 9 AP exams in a variety of subjects. Founded the Central Climbing Club.

Work Experience

Field Coordinator and Data Manager

May 2022 – Present

Full Time, 40 hours a week

Contact: Katie Willi kathryn.willi@colostate.edu

I currently work at the Ross Lab at CSU on the Cameron Peak Wildfire: Water Quality and Watershed Responses. My responsibilities include:

- Coordinating three technicians to complete field and lab work
- Installing 8 capacitance rods and 4 ISCO Auto Samplers at tributary sites.
- Installing 8 dissolved oxygen sensors on the mainstem of the Cache La Poudre
- Managing data from all the installed sensors
- Weekly grab samples and field filtering for chlorophyll A at 11 reservoir sites.
- Bi- Weekly grab samples for tributary and mainstem sites
- Lab filtering for DOC, IC and TSS samples.

Water Quality Field Technician

May 2021 – October 2021

Part Time, 20 hours a week

Contact: Tim Fegel timothy.fegel@usda.gov

I worked as a Field Technician for the Rocky Mountain Research Station's water quality sampling in the Cameron Peak Fire. My responsibilities included:

- Collecting weekly grab samples for 15 tributaries to the Cache la Poudre River.
- Measuring discharge for 6 tributaries to the Cache la Poudre River.
- Weekly grab samples and field filtering for chlorophyll A at 11 reservoir sites.
- Downloading data and collecting data from ISCO Auto Samplers.

- Lab filtering for DOC, IC and TSS samples.
- Coordinating necessary equipment and personnel for field days

Fire Hydrology Research Assistant

November 2020– October 2021

Part Time, 20 hours a week

Contact: Stephanie Kampf

Stephanie.Kampf@colostate.edu

I worked as a research assistant for the Natural Resource Ecology Lab's work on hydrologic assessment in the Cameron Peak Fire. My responsibilities included:

- Installing equipment including capacitance rods, pressure transducers, snow poles with game cameras, precipitation gauges with Alter shields, soil moisture sensors and solar panels.
- Conducting discharge measurements using the velocity area and salt dilution methods.
- Conducting geomorphologic assessments including pebble counts, cross section measurements using GPS and LIDAR scans using handheld systems
- Conducting soil burn severity assessments using forest service protocols and ground cover transects
- Conducting snow surveys measuring snow depth, density and water equivalent 5km transects using Survey123 and Trimble GeoXH 600 to collect GPS data.
- Coordinating necessary equipment and personnel for field days

Eco Leader Peer Education Program

January 2019– May 2019

Part Time, 10 hours a week

Contact: Tonie Miyamoto

tonie.miyamoto@colostate.edu

I worked for 1 semester as the Eco Leader for Ingersoll Hall. My responsibilities included educating others on sustainable best practices, organizing hall events centered on sustainable living and participating in volunteer opportunities on campus with other residents.