

# Sally Cariveau

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## Education

- University of Colorado, Boulder, CO. Bachelor of Arts-Geography
- Emergency Medical Technician, Colorado Mountain College, Steamboat, CO
- Colorado Mountain College, Steamboat Springs. GIS Occupational Certification-May 2024

## Professional Development

- Rosgen Level 1-Applied Fluvial Geomorphology- Pagosa Springs, CO
- Rosgen Level 2-River Morphology and Applications- Boseman, MT
- American Avalanche Institute, Level I-III Avalanche Certification, Silverton, Colorado
- USFS Contracting Officer Representative (COR) Level 1 certification
- GIS Portfolio Link: <https://sallycariveau.GitHub.io>

## Relevant Professional Experience

### **GIS Laboratory Instructor** August 2024-Current | Colorado Mountain College | Steamboat Springs, CO

- In-person instructor for GIS-1001, GPS for GIS and GIS 2010

### **Public Education Participation and Outreach Liaison** May 2024-Current | Yampa White Green Basin Roundtable | Steamboat Springs, CO

- I maintain and create content for the water policy website, send emails, create radio, video and print ads, plan outreach events and update social media for the Roundtable. I create the agenda for the meetings and take minutes for the water policy group.
- I represent the YWG Roundtable at events and meetings.

### **Water Outreach Coordinator** May 2023-Current | Community Agricultural Alliance | Steamboat Springs, CO

- I engaged with landowners along the Yampa and Elk rivers to identify opportunities for multi-beneficial restoration projects related to the Yampa stream management plan. I would walk the banks with the landowner and talk about bank and beaver concerns. I developed potential projects linking upstream and downstream landowners together to create multi-beneficial projects that are grant ready. I documented these project proposals, creating GIS shapefiles and maps of potential projects ranking in importance to the watershed.
- I represent the Community Agriculture Alliance on the Yampa River Collaborative and its Outreach Subcommittee which brings together local non-profits with water interests including Friends of the Yampa, Yampa Valley Sustainability Council, Trout Unlimited and The Nature Conservancy. I created an AGOL contact database for the CAA.

### **Hydrologic Technician GS-1316-5-7** June 2019–Nov. 2021 | US Forest Service | Steamboat Springs, CO

- Conducted Rangeland Riparian and Stream Health Monitoring and Analysis-using Multiple Indicator

Monitoring (MIM) and stream health surveys to determine stream and riparian health condition and trend to inform adaptive management actions. Provided recommendations on project design and design elements for NEPA.

- Supervised assistant, graduate, and intern students.
- Collected, analyzed and interpreted environmental data for Timber, Fuels, Wilderness water quality, Steamboat Ski Area base flow measurement and stream health management reports. I maintained all databases used by our department including GIS.
- Collected and processed National Atmospheric Deposition Program (NADP) wet deposition, Mercury and air samples on Buffalo Pass, Steamboat Springs.
- For the USFS Lands and Realty department, I conducted ditch inspections, researched water rights and wrote official permittee correspondence.
- Planned and supervised rehabilitation of 30 miles of bulldozer and handline for Routt National Forests' portion of East Troublesome Fire in 2021.
- Used ESRI's Arcmap 10.7.1 to create maps, tables and reports for use District-wide. Lead the Forest's transition to ArcGIS Online (AGOL) transitioning 78 feature layers and creating accompanying protocol and methodology.
- Contracting Officer Representative (COR) for Routt NF's Air quality monitoring program.
- Created two stream rehabilitation plans on Routt NF: Muddy Creek ditch re-design and Beaver Creek Beaver Dam Analog and Riparian Stabilization Plan.
- Assisted in the implementation of several stream restoration projects including Elkhead Creek, Armstrong Creek and First Creek in California Park.

#### **Safe Routes to School Director** May 2014 – June 2019 | Bike Town USA | Steamboat Springs, CO

- Coordinated City of Steamboat, Steamboat school district, law enforcement and over 80 local volunteers each Spring for Colorado Department of Transportation's Safe Routes to School Bicycle Rodeo at both of Steamboat's public elementary schools teaching bicycle safety and skills to over 800 students each year.
- Coordinated Hike and Bike to School Program each Spring and Fall advocating for exercise and alternative transportation.
- Co-authored two successful CDOT grants, awarded \$24,000 for Safe Routes to School.
- Created and implemented Hike and Bike to School incentive program in Steamboat elementary and middle schools.
- Responsible for community outreach, partnership development, grant tracking, implementation of budget and grant reporting. Spokesperson for Safe Routes to School.

#### **Hydrologist** May 2012 – June 2013 | Norwest Applied Hydrology Corporation | Denver, CO

- Working remotely, I used ESRI's Arcmap 10.1's Spatial Analyst to determine stream drainage density, slopes, sinuosity, peak discharge, forest cover and flood and precipitation frequency. I also digitized water rights.

#### **Hydrologic Technician GS-1316-4/5/6** June 1998-June 2004 | US Forest Service | Steamboat Springs, CO

- I researched, developed and implemented the first E.coli water sampling protocol in Rocky Mountain Region 2 that would meet state water quality guidelines for streams on the Federal 303 (d) monitoring list.
- Worked independently and jointly with Fisheries and Range conducting stream, riparian and soil health assessments for both impacted and reference stream reaches.

#### **Ski Guide/ Snow Safety Coordinator** Dec. 1999-March 2023 | Steamboat Powdercats | Steamboat Springs, CO

#### **Ski Patrol** Nov. 1993-April 1999 | Steamboat Ski Corp. | Steamboat Springs, CO