

Colleen Hoskins

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EDUCATION

COLORADO STATE UNIVERSITY

P.S.M. Master of Ecosystem Science and Sustainability

Fort Collins, CO
December 2025

- *Focus:* Water Resources Data Analytics
- *Leadership:* P.S.M. Representative for the ESS Graduate Program Committee

UNIVERSITY OF NEVADA

B.S. Environmental Science

Reno, NV
June 2017

EXPERIENCE

COLORADO STATE UNIVERSITY - ROSSyndicate

Fort Collins, CO

Water Database Specialist Intern

January 2025 – August 2025

- Developed a database of water sources serving staff and visitors across every US National Park, creating a robust tool to evaluate water security and guide management decisions
- Collaborated with National Park Service project partners to define database parameters and determine key priorities, ensuring the database served both agency operational needs and academic research goals

EASTERN NEVADA LANDSCAPE COALITION *Government Contractor*

Carson City, NV; Elko, NV

Weeds Crew Lead

June 2023 - September 2023

- Monitored and treated 3,700+ acres of Nevada public lands to protect natural resources, agricultural productivity and public recreation
- Designed field investigations to identify noxious plant species, map invasive outbreaks using field-based GIS technology, and apply integrated vegetation management protocols to control infestations
- Authored technical reports and standard operating procedures documenting site-specific monitoring and herbicide application data to achieve environmental compliance and transfer knowledge across field season

Ecological Monitoring Crew Lead

April 2019 - October 2019

- Evaluated post-wildfire ecological indicators using BLM Assessment, Inventory, and Monitoring protocols, collecting qualitative data to inform rangeland management and policy decisions
- Led eight-day field assignments in extreme weather conditions, planning logistics, conducting trainings and safety briefings, and making critical decisions to ensure efficient and safe fieldwork

TKPOA *Tahoe Keys Property Owners Association*

South Lake Tahoe, CA

Water Quality Technician

April 2022 - June 2022

Water Quality Intern

April 2021 - November 2021

- Monitored water quality parameters in Lake Tahoe and the Tahoe Keys Lagoons to evaluate trends in response to invasive aquatic plant management interventions
- Collected lakebed sediment, aquatic plant, and harmful algal bloom (HAB) samples for chemical and physical analysis, following proper labeling, preservation, and chain-of-custody protocols for chemical and physical analysis
- Mapped 172 acres of waterways monthly during the plant growth season to visualize seasonal trends in plant density

HEAVENLY SKI RESORT

South Lake Tahoe, CA

Ski Instructor

4 winter seasons: 20/21, 21/22, 23/24, 25/26

- Taught fundamental ski skills while promoting slope etiquette, mountain safety, and teamwork
- Created a fun learning environment to encourage students to develop a lifelong passion for winter sports

SKILLS

Technical: R, Python, ArcGIS, Google Earth Engine, GitHub, Excel

Field Geospatial: FieldMaps, Survey123, Avenza, CalTopo, GPS

Field Operations: UTV and truck off-road driving, trailer towing, boat operation