Colleen Hoskins

(650) 922 - 9824 | hoskinscolleen@gmail.com | www.linkedin.com/in/colleen-hoskins

EDUCATION

COLORADO STATE UNIVERSITY   Fort Collins, CO
P.S.M. Ecosystem Science and Sustainability   *December 2025*
- *Specialization:* Water Resources Management and Data Analytics
- *Leadership*: ESS Graduate Program Committee Representative

UNIVERSITY OF NEVADA   Reno, NV
B.S. Environmental Science   *June 2017*

EXPERIENCE

COLORADO STATE UNIVERSITY *ROSSyndicate Lab*   Fort Collins, CO
Database Specialist Intern   *January 2025 – August 2025*
- Developed a nation-wide geospatial database of groundwater sources serving U.S. National Parks by mapping and documenting 1,500+ water sources, enabling modeling of park-level water supply vulnerability.
- Analyzed multi-source geospatial well and point-of-diversion datasets using R and ArcGIS Pro to evaluate infrastructure and hydrogeologic attributes, supporting long-term resource management.

EASTERN NEVADA LANDSCAPE COALITION   Carson City & Elko, NV
Weeds Crew Lead   *June 2023 - September 2023*
- Protected public and ecosystem health by surveying, monitoring, and treating 3,500+ acres of public land across northern Nevada, conserving wildlife habitat, agricultural resources, and recreation access.
- Mapped and documented invasive species infestations using Survey 123 and ArcGIS Field Maps, sustaining a 30+ year geospatial record of invasive weed trends across Nevada's public lands.

Ecological Monitoring Crew Lead   *April 2019 - October 2019*
- Evaluated post-wildfire ecological indicators using BLM Assessment, Inventory, and Monitoring protocols to collect soil and plant community data, informing rangeland management and policy decisions.
- Led 8-day field assignments in inclement weather conditions, making critical decisions to ensure efficient and safe field operations; planned logistics, instructed staff trainings and managed data quality assurance.

TAHOE KEYS PROPERTY OWNERS ASSOCIATION   South Lake Tahoe, CA
Water Quality Technician   *April 2022 - June 2022*
Water Quality Intern   *April 2021 - November 2021*
- Tested invasive aquatic plant control methods by analyzing seasonal water quality responses to manual and chemical treatments to guide strategies protecting lake clarity.
- Mapped 172 acres of waterways monthly during the plant growth season to visualize seasonal trends in plant density; created additional maps of water quality sampling sites to support monitoring operations.

OTHER ROLES

Ski Instructor | Heavenly Ski Resort | South Lake Tahoe, CA | 5 Winter Seasons	*20/21, 21/22, 22/23, 23/24, 25/26*
Natural Resources Conservation Crew Lead | Great Basin Institute | Reno, NV	*June 2018 - November 2018*
Leadership Development Training Crew Member | Great Basin Institute | Las Vegas, NV	*March 2018 - May 2018*
Natural Resources Conservation Crew Member| Great Basin Institute | Reno, NV	*June 2017 - November 2017*

SKILLS

Technical: R, ArcGIS, Python, Google Earth Engine, GitHub, Microsoft Office (Outlook, Word, Excel)
Field Geospatial: FieldMaps, Survey123, Avenza, CalTopo, Handheld GPS
Field Operations: Off-Road UTV & 4WD Truck Driving, Trailer Towing, Small Boat Operation, Boat Launching
Monitoring: Water Quality Testing, Plant Identification, Soil Classification, Sediment & HAB Sampling