Taia Storrs

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Dedicated to creating sustainable improvements in the water sector. I aim to contribute my expertise to sustainable water management within urban settings. My proficiencies include:

- ArcGIS, R, and Microsoft Office Suite
- Field data collection, dataset cleaning, and statistical analysis in R and Excel
- Stakeholder communication and report delivery

Education

Colorado State University – Fort Collins Spring 2026
Professional Science Master's in Ecosystem Science and Sustainability
Concentrated in Water Resources

Colorado State University – Fort Collins Spring 2025
Bachelor of Science in Ecosystem Science and Sustainability
Minor in Watershed Science
GPA: 3.5
Dean's List

Sustainability and Water Science Projects

Colorado State University – Fort Collins

Center For Participatory Science Development Spring 2025

- Collaborated with stakeholder CitSci to design systems for CSU's upcoming Center for Participatory Science
- Wrote a background paper highlighting barriers and strategies for inclusive research
- Built a participant database using Airtable and Fillout and implemented communication systems via Teams, Outlook/Gmail, Calendly

Statistical Comparison of Sea Ice and Global Sea Level Spring 2024

- Conducted statistical analyses in RStudio to quantify correlations between sea ice extent and global sea level rise
- Merged and cleaned satellite-derived datasets, ran correlation tests (Pearson's r = -0.48), and visualized spatial/temporal trends
- Presented findings demonstrating a significant negative correlation between polar ice melt and global sea level rise

Longs Peak Hydrography and Road Map Fall 2023

- Applied ArcGIS to integrate hydrology and transportation datasets
- Created a map of Longs Peak's hydrography and road networks to demonstrate spatial data visualizations skills

Natural Resource and Hydrology Field Experience

Colorado State University – Mountain Campus

Natural Resource Ecology & Measurement — Summer 2024

- Identified 120 different plant and animal species of Northern Colorado region
- Assessed mountain shrub, ponderosa pine/aspen, lodgepole pine, spruce-fir, and alpine ecosystems, and generated a written report for each
- Collected recreation, watershed, range, wildlife, and forestry data using quadrants, line-intercepts, transects, and point-centered quarters
- Gained familiarity with the different soil, geology, and climate types of the area

Colorado State University – Fort Collins

Limnology — Fall 2024

- Collected depth profiles: temperature, DO content, and pH, water chemistry, and algae and zooplankton sampling
- Utilized Van Dorn bottles, Sonde, macroinvertebrate nets for sampling

Colorado State University – Fort Collins

Snow Hydrology — Fall 2024

- Collected snowpack data at Cameron Pass via core samples and the Joe Wright SNOTEL station data

R, GIS, and Hydrology Coursework

Colorado State University – Fort Collins

Introduction to R Programming — Summer 2024

- Organized, cleaned, and analyzed datasets; generated reproducible visualizations and statistical summaries

Introduction to Geospatial Science — Fall 2023

- Managed and interpreted spatial datasets using ArcGIS; applied spatial analysis to environmental challenges

Land Use Hydrology — Fall 2024

- Modeled streamflow, soil moisture evapotranspiration, and other hydrologic processes; addressed water resource challenges

Land Use and Water Quality — Spring 2025

- Investigated impacts of land management practices on surface/groundwater quality

Water Resource Development — Spring 2025

- Evaluated water infrastructure planning approaches and assessed economic, environmental, and social trade-offs

Water Law for Non-Lawyers — Fall 2024

- Studied Western water law doctrines (prior appropriation and riparian rights) and analyzed water allocation case studies