Lauren Giggy, PhD

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E D U C A T I O N

Ph.D., Earth Sciences   Sept. 2019- March 2025
University of California, Santa Cruz

B.Sc., Geology   Aug. 2014- Dec. 2017
Fort Lewis College

E X P E R I E N C E

Research Scientists – ECOSHEDS Lab   October 2025 – Present
University of New Hampshire, remote from San Luis Obispo County, CA

- Leading a collaborative synthesis project spanning 6 universities, focused on water quality and hydroclimatic settings
- Established reproducible workflows for site characterization to improve consistency and productivity across working groups
- Assisting with the production of tailored insights for local land and water managers

Consultant II – Geosciences Team   March 2025 – October 2025
Sespe Consulting, Inc, Ventura, CA

- Led water quality sampling studies in aggregate mining settings and provided recommendations in technical memoranda and reports
- Independently drafted reports, figures, and analyses in support of groundwater feasibility studies, groundwater supply assessments, and other geologic and hydrogeologic CEQA/NEPA studies

Graduate Student Researcher and Instructor,   Sept. 2019 - March 2025
Watershed Hydrology Research Lab, University of California, Santa Cruz

- Designed and maintained environmental instrumentation networks, managed, analyzed, and interpreted large datasets for stakeholder and conference presentations and scientific manuscripts
- Mentored 8 students on field and lab methods for environmental data collection, provided feedback and guidance on written deliverables, and evaluated student performance
- Directly awarded $18k, assisted with the acquisition of a $67k NSF RAPID grant
- Lead author on 3 scientific publications, 2 invited talks, 8 conference presentations; see Google Scholar for links to publications

Hydrologist, NAGT Intern   May 2018- Aug. 2018
USGS Pennsylvania Water Science Center, New Cumberland, PA

- Lead groundwater sampler on the 2018 Pesticides and Radon in Vulnerable Groundwater Project; maintained positive relationships with > 50 private well owners for access to sample points

S K I L L S

Field Soil, precipitation, surface water, groundwater sampling, meteorological station installation, stream gage and rating curve development, geologic mapping, geophysical surveys (seismic, electrical resistivity)

Programming and Software R, MATLAB, Python, ArcGIS/QGIS, Adobe Creative Cloud, Office Suite