



PROFILE

Ms. Perrot is a research scientist with experience in hydrology, water resources management, and environmental sciences in the United States. She is proficient in a variety of models, software programs, and programming languages for conducting geospatial analyses, building forecast systems, and developing tools for modeling, analysis, and data visualization.

CONTACT

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PUBLICATIONS

"Relationships between stream nitrate concentration and spatially distributed snowmelt in high elevation catchments of the western U.S." 2014. *Water Resources Research*, 50(11), 8694–8713. doi: 10.1002/2013WR015243

"Modelling the effects of the mountain pine beetle on snowmelt in a subalpine forest." 2014. *Ecohydrology*, 7(2), 226–241. doi: 10.1002/eco.1329

"Evaluating ecohydrological theories of woody root distribution in the Kalahari." 2012. *PLoS ONE*, 7(3). doi: 10.1371/journal.pone.0033996

DANIELLE PERROT

EXPERIENCE

Applied Ecologist – Vibrant Planet

2021 to present
Reno, NV

Research Scientist – Center for Water Resources, RTI International

2017-2020
Fort Collins, CO and Reno, NV

Water Resources Administrator – Water and Sewer Dept., City of Greeley

2015-2017
Greeley, CO

Water Resources Analyst – Water and Sewer Dept., City of Greeley

2014-2015
Greeley, CO

Graduate Student Researcher – Institute of Arctic and Alpine Research

2010-2012
Boulder, CO

Teaching Assistant, Biometeorology – Geography Dept., University of Colorado, Boulder

2012
Boulder, CO

Teaching Assistant, Snow Hydrology – Geography Dept., University of Colorado, Boulder

2012
Boulder, CO

Field Instructor, Snow Hydrology Internship Program – Geography Dept., University of Colorado, Boulder

2011
Boulder, CO

Research Intern – Dept. of Civil and Environmental Engineering, University of California, Los Angeles

2008-2010
Los Angeles, CA

Undergraduate Researcher – NSF Research Experience for Undergraduates Program

2008-2009
Botswana

EDUCATION

University of Colorado, Boulder

2010 – 2012
Geography (Master of Arts) and Hydrologic Sciences (Graduate Certificate)

University of California, Los Angeles

2006 – 2010
Environmental Science (Bachelor of Science) and Geography/Environmental Studies (Minor)