

Scott Becker

Geologist/Hydrologist

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Phone: (770) 281-0694

Profile: Proficient field worker with experience collecting samples from streams, streambeds, and wells and experienced at measuring stream discharge, hydraulic conductivity, and groundwater gradient. Effective written and verbal communication skills, and experience in writing technical reports.

Education

North Carolina State University	June 2013
<i>Masters of Marine, Earth, and Atmospheric Sciences</i>	
<i>Minor in Water Resources</i>	
University of Washington	March 2010
<i>Bachelor of Science in Earth and Space Sciences</i>	
Bellevue College	May 2007
<i>Associate's Degree in Arts and Sciences</i>	

Relevant Coursework

Physical Hydrology	Global Information Systems (ArcMap)	Soil Physics
Stream Restoration	Geospatial Modeling (Grass & ArcMap)	Soil Chemistry
Geomorphology	Introduction to Remote Sensing	Geobiology
Earth Materials	Geology of the North West	Geochemistry
Marine Geology	Field Geology (intensive six-week field course)	

Acknowledgments/Publications

Becker, S. K. *Assessing the use of dissolved silicon as a proxy for groundwater age: a critical analysis of published data and new data from the North Carolina coastal plain* (Master's thesis). North Carolina State University, Raleigh, NC.

Montgomery, D. R., J. L. Bandfield, and S. K. Becker (2012). *Periodic bedrock ridges on Mars*, J. Geophys. Res., 117, E03005, doi:10.1029/2011JE003970.

Recipient of the NASA Consortium Undergraduate Research Grant

Work Experience

Peace Corps Volunteer 09/2014-11/2016
Nampula Province, Mozambique, Africa

- Completed three months of technical and language (Portuguese) training
- Taught chemistry in a secondary school in a rural village, creating original lessons to class sizes of 50-120 students, using only the very limited local materials at hand
- Worked to raise awareness of HIV/AIDs, malaria, and gender equality
- Attended and helped prepare students for provincial science fairs

Seasonal Hydrologic Technician

05/2014-09/2014

United States Department of Agriculture

U.S. Forestry Service-Rocky Mountain Research Station, Boise ID

- Participated in the Geomorphic Road Analysis and Inventory Package (GRAIP) program, designed to assess the impacts of erosion and sediment delivery to streams
- Collected data in the field using a GPS device to create a comprehensive database of road systems and decommissioned forestry roads
- Took measurements of erosional features using surveying tools, often in difficult to access, vegetated ravines
- Entered data and did daily reports detailing the day's work

Geophysical Field Assistant

04/2014-08/2014

Geophysical Consultant, Redmond WA

- Assisted licensed geophysicists on several short-term projects
- Laid down lines of cable attached to geophones used to collect seismic data and create bedrock profiles,
- Used GPS to record data locations

Geomorphology Field Assistant

08/2010-10/2010

University of Washington, Earth and Space Sciences Department

- Collected data for a geomorphology/hydrology study conducted in the Hoh rainforest by a University of Washington graduate student
- Mapped local topography with a variety of survey equipment such as a total station and surveying rod.
- Measured and recorded tree dimensions and performed pebble counts