

Keven S. Griffen

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Education

- 2022-present **Northern Arizona University, Department of Forest Science**
Ph.D. Student
Advisors: Dr. Matthew Bowker; Dr. Anita Antoninka
Dissertation Topics: biological soil crust, ecosystem restoration, soil ecology
- 2014-2017 **Brown University, Dept. of Earth, Environmental and Planetary Sciences**
B.A. Geology-Biology
Advisors: Dr. Jan Tullis; Caroline Karp, Esq.
Thesis: *A GIS-based Marine Gap Analysis for the United States: Mapping Levels of Protection of the US' Most Productive and/or Biodiverse Ocean Regions*

Grants & Awards

- 2021 USGS Star Award (\$500)
2019 NPS Star Award (\$500)
2018 NPS Star Award (\$500)
2017 NPS Star Award (\$500)
2017 Elected to Sigma Xi
2015 Brown University Summer Internship Grant (\$5,000)

Academic Presentations

- 2022 **Griffen, K.S.**, Sengsirak, A., Williams, C.J., Johnson, J.C., Lupardus, R., Belnap, J., Bradford, J., Anna Knight, A., Mcnellis, B., Munson, S., Reed, S., Villarreal, M., Duniway, M.C. 2022. Soil measurements show greater compaction on reclaimed or abandoned oil pads compared to unimpacted sites. Poster, *NAU Biennial Conference of Science and Management on the Colorado Plateau*.
- 2017 **Griffen, K.S.** 2016. Safe and Sound? Most Productive and/or Biodiverse Regions of the US' Exclusive Economic Zone are less than 12% protected. Poster, *Brown University's GIS Lab Fall Showcase, Providence, RI*.

Research Experience

- 2022 **Biological Science Technician—Project Lead**, U.S. National Park Service, Sierra Nevada Network—Three Rivers, CA
PIs: Dr. Erika Blomdahl, Sylvia Haultain
- 2020-2022 **Biological Science Technician—Crew Lead**, U.S. Geological Survey, Southwest Biological Science Center—Moab, UT
PIs: Dr. Mike Duniway, Dr. Erika Geiger

- 2020 **Biological Science Technician**, U.S. National Park Service, Sierra Nevada Network—Three Rivers, CA
PI: Dr. Jonathan Nesmith
- 2020 **Ecological Field Technician**, Great Basin Institute—Salt Lake City, UT
- 2020 **Biological Research Assistant**, University of Nevada: Las Vegas, Abella Lab—Las Vegas, NV
PIs: Dr. Scott Abella; Lindsay Chiquoine
- 2019 **Biological Science Technician**, U.S. National Park Service, Northern Colorado Plateau Network—Moab, UT
PI: Dana Witwicki
- 2018 **Biological Science Technician**, U.S. National Park Service: Sequoia/Kings Canyon National Parks—Three Rivers, CA
PI: Ann Huber, M.S.
- 2017 **Geoscientists-in-the-Parks Intern**, U.S. National Park Service, Sierra Nevada Network—Three Rivers, CA
PI: Dr. Jonathan Nesmith
- 2017 **GIS Research Assistant**, Brown University Institute for Environment and Society, Sax Lab—Providence, RI
Advisor: Daniel Perret (PhD Candidate), PI: Dr. Dov Sax,
- 2015 **Coastal Restoration Intern**, The Nature Conservancy: Rhode Island—Providence, RI
Funded by the Brown University Summer Internship Grant

Teaching Experience

Teaching Assistantships:

- 2017 **Face of the Earth: Introductory Geology**, GEOL 0100, Dept. of Earth, Environmental, and Planetary Sciences—Brown University, Providence, RI
- 2016 **Environmental Law and Policy**, ENVS 1410, Institute at Brown for Environment and Society—Brown University, Providence, RI

Other Teaching Positions:

- 2019 **Environmental Science Educator**, NatureBridge: Olympic National Park—Port Angeles, WA
- 2018 **Environmental Field Instructor**, High Trails Outdoor Science School—Big Bear, CA

Professional Experience:

- 2016-2017 **Program Manager**, Brown University Outdoor Leadership Training Program—
Providence, RI
- 2016 **Backcountry Ranger Intern**, Yosemite National Park—Yosemite Valley, CA

Professional Service:

- 2016-2017 **Panelist**, Undergraduate Panel on Diversity, Equity, and Inclusion (DEI)
Dept. of Earth, Environmental and Planetary Science—Brown University
*Conducted surveys to assess undergraduate perceptions of DEI in the department and
presented data & solutions to department faculty and administrators.*

Mentorship

Mentorship Positions

- 2022 **Mentor**, Women in Soil Ecology (WiSE)
- 2020-2022 **Crew Lead**, US Geological Survey, Moab, UT
Mentees: Nikita Daly
Azad Vojdani
Justin Caggiano
- 2015-2017 **Mentor & Trip Leader**, Brown Outdoor Leadership Training
Total Mentees: 40

Science Communication and Outreach

- 2022 **Griffen, K.S.**, Wilson, S., Lauria, C., Reed, S.C., Osbourne, B.B. 2022. *Caty America: The First Biocrust Avenger*. Radio Drama, *KZMU Community Radio Annual Radio Play Festival*.