

Cheristy P. Jones

she/her/hers

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EDUCATION

Ph.D., Earth & Environmental Science **August 2021 - Present**

University of New Hampshire, Durham, NH

- Minor: College Teaching
- *Advisor:* Dr. Ruth Varner
- Cumulative GPA: 4.00, Major GPA: 4.00

B.A., Environmental Science with Distinction **August 2016 - May 2020**

Colorado College, Colorado Springs, CO

- *Senior Thesis:* "Examining the Legacy of Severe Burn on Soil Carbon Cycling in Montane Landscapes in and around the Hayman Burn, Colorado"
- *Advisor:* Dr. Rebecca Barnes
- Cumulative GPA: 3.81, Major GPA: 3.91
- *Study Abroad:* Danish Institute for Study Abroad with a focus on **Fall 2018**
climate change in the Arctic

RESEARCH EXPERIENCE

Graduate Research Fellow **August 2021 - Present**

Trace Gas Biogeochemistry Lab, University of New Hampshire, Durham, NH

- Research: Linking lateral carbon transport and vertical carbon fluxes and the associated controls across a terrestrial-aquatic interface in a thawing permafrost peatland (PI: Dr. Ruth Varner)

Laboratory Technician **June 2020 - March 2021**

Soil Biology and Ecology Lab, Michigan State University, Lansing, MI

- Research: plant-soil-microbe interactions and how soil microorganisms control soil organic matter and nutrient cycling in agricultural systems (PI: Dr. Lisa Tiemann)

Research Assistant **Summer - Fall 2019**

Watershed Biogeochemistry Lab, Colorado College, Colorado Springs, CO

- Research: the effects of severe fire on montane forest carbon stocks by examining soil carbon pools and fluxes, the role of microbial community composition on the processing of organic matter, and how organic matter is transformed within streams (PI: Dr. Rebecca Barnes)

FELLOWSHIPS (\$111,620)

- Convergent Arctic Research Perspectives and Education Fellowship, NSF NRT, \$57,310 2022-2023
- University of New Hampshire College of Engineering and Physical Sciences Fellowship, \$54,310 2021-2022
- National Science Foundation Graduate Research Fellowship, "A Holistic Approach to Quantifying Lateral Carbon Flux in the Arctic", *Honorable Mention* 2020

GRANTS (\$23,900)

- Iola Hubbard Endowment, "Using an in-situ water quality monitor to make field research more accessible and to improve our understanding of seasonal and disturbance changes in Arctic streams", collaborator, \$20,000 2022
- UNH NRESS Student Support Fund, \$1,000 Fall 2022
- UNH Travel Grant, \$400 Fall 2022
- Peatland ECR Microgrant, \$100 July 2022
- UNH Travel Grant, \$400 Spring 2021
- Colorado College Conference Presentation Grant, "Examining the legacy of severe fire on soil carbon cycling in montane landscapes in and around the Hayman burn, Colorado", \$1000 2019
- Yale Institute for Biospheric Studies, "Yale Analytical & Stable Isotope Center Matching Grant Program: Legacy of fire on carbon cycling from hillslopes to streams", \$1000 2019

PUBLICATIONS

- Jones, C.P., M. Wolford, C.B. Bonwell, A.R. Nelson, M.J. Wilkins, R.T. Barnes. (In-prep, expected fall 2022). *The Legacy of Severe Wildfire on Watershed Carbon Dynamics and Microbiomes in Montane Landscapes*.

POSTER PRESENTATIONS

* = undergraduate student mentored

- Jones, C.P., M.A. Kuhn, L. Castro Morales*, C. Beezley*, K.R. De León Colón *, C.R. Perryman, R.K. Varner. (December 2022). *Linking Lateral Carbon Transport to Vertical Carbon Fluxes across the Terrestrial-Aquatic Interface in a Thawing Permafrost Peatland*. American Geophysical Union Fall Meeting, Chicago, IL.
- Beezley, C.*, C.P. Jones, L. Castro Morales*, K.R. De León Colón *, M.F. Fahnestock, R.K. Varner, M.A. Kuhn. (December 2022). *Variability in Edge and Center Methane Fluxes in Two Post-Glacial Lakes in Northern Sweden*. American Geophysical Union Fall Meeting, Chicago, IL.

- Castro Morales, L.*, K.R. De León Colón *, C. Beezley*, **C.P. Jones**, M.F. Fahnestock, R.K. Varner, M.A. Kuhn. (December 2022). *Lateral and Vertical Methane Dynamics: Understanding Soil/Sediment Biogeochemistry in Terrestrial and Aquatic Environments in Permafrost Thaw Transitions, Stordalen Mire*. American Geophysical Union Fall Meeting, Chicago, IL.
- Wolford, M., **C.P. Jones**, C.B. Bonwell, A.R. Nelson, M.J. Wilkins, R.T. Barnes. (December 2021). *The Legacy of Severe Wildfire on Watershed Carbon Dynamics and Microbiomes in Montane Landscapes*. American Geophysical Union Fall Meeting, New Orleans, LA.
- Jones, C.P.**, M.J. Wilkins, C.B. Bonwell, R.T. Barnes, A.R. Nelson, M. Wolford. (June 2020). *Examining the Legacy of Severe Burn on Soil Carbon Cycling in Montane Landscapes in and around the Hayman Burn, Colorado*. Society for Freshwater Science Summer of Science, Online.
- Jones, C.P.**, M.J. Wilkins, C.B. Bonwell, R.T. Barnes, A.R. Nelson, M. Wolford. (December 2019). *Examining the Legacy of Severe Burn on Soil Carbon Cycling in Montane Landscapes in and around the Hayman Burn, Colorado*. American Geophysical Union Fall Meeting, San Francisco, CA.

HONORS & AWARDS

Outstanding Senior Academic Award in Environmental Studies, <i>Colorado College</i>	2020
Community Engaged Scholar, <i>Colorado College</i>	2020
Dean's List, <i>Colorado College</i>	2017-2020
Academic Honor Roll, <i>Intercollegiate Women's Lacrosse Coaches Association</i>	2018-2020
Academic Honor Roll, <i>The Southern Collegiate Athletic Conference</i>	2018-2020

OUTREACH & ENGAGEMENT

Facilitator, <i>NH GLOBE Soil Tent</i>	Fall 2022 - Present
Gender Minorities in STEM coordinator, <i>UNH</i>	Spring 2022 – Present
Student-Athlete Mentor, <i>Colorado College</i>	Spring 2022 - Present
Roots: Colorado Springs Homeless Collective coordinator, <i>Colorado College</i>	2017 - 2020

PROFESSIONAL SERVICE

Student Network co-coordinator, <i>UNH NRESS PhD Program</i>	2022 - Present
Student Athletic Advisory Committee Member, <i>Colorado College</i>	2017-2020
Invited Panelist, Virtual Forum: Transitioning to Online Education, Undergraduate Student Panel, <i>Consortium of Universities for the Advancement of Hydrologic Science</i>	May 2020

MENTORSHIP

Lyreshka Castro Morales, <i>EMERGE REU</i>	2022
Claire Beezley, <i>EMERGE REU</i>	2022
Kenneth R. De León Colón, <i>EMERGE REU</i>	2022

PROFESSIONAL DEVELOPMENT

BEFLUX: Environmental Monitoring in the Arctic, with a particular focus greenhouse gas studies, <i>UArctic Summer School</i>	2022
Convergent Arctic Research Perspectives and Education Program, <i>UNH NSF-NRT</i>	2022-2024
Cognate in College Teaching, <i>UNH</i>	2022
Communicating Science Training, <i>Alda Center</i>	2022
Radiocarbon Short Course, <i>UC Irvine</i>	2021
Research Communications Academy, <i>UNH</i>	2022
Bystander Intervention Training and Responding to Hostile Climates, <i>ADVANCEGeo</i>	2021
Responsible Conduct of Research Training, <i>UNH</i>	2021

RELEVANT PROFESSIONAL EXPERIENCE

Environmental Education Intern, <i>Cottonwood Canyons Foundation, UT</i>	Summer 2018
Data Research Assistant, <i>Earth Science Women's Network</i>	October 2017

PROFESSIONAL AFFILIATIONS

American Geophysical Union (AGU)
Earth Science Women's Network (ESWN)