Natalie Baillargeon
natalliengb@gmail.com

Education

University of Massachusetts Amherst - Master of Public Policy and Administration *Expected Graduation Fall 2025*
Specializations: Environmental Policy and Just Energy Transitions

Smith College - Bachelor of Arts in Environmental Science and Policy *May 2021*
Relevant Courses: Advanced Ecological Stats I (Graduate), Advanced Ecological Stats II (Graduate), US Environmental Policy, Climate and Energy Policy, Marine Conservation Biology/Policy (Graduate), Economic Development, Impacts of Climate Change on US/NE (Graduate), Landscape Ecology (Graduate), Intro to GIS, and Global Change Ecology
Recent Recognitions: Commonwealth Policy Fellowship, NOAA Ernest Hollings Undergraduate Scholarship, and Udall Honorable Mention

Work Experience

Policy Analyst, Woodwell Climate Research Center[1] *July 2022 - Present*
- Lead Woodwell's policy analysis and research, continue to identify new opportunities and strategies for action
- Strategize and implement our congressional outreach among over 50 offices
- Assembled Woodwell's first DC fly-in, coordinated across 20 congressional offices
- Manage climate risk outreach to municipalities
- Projects include: incorporating natural climate solutions in the 2023 farm bill, addressing permafrost thaw in federal adaptation plans, and understanding the implementations of climate risk

External Affairs Coordinator, Woodwell Climate Research Center *Sept. 2020 - June 2022*
- Identified opportunities and developed strategies to incorporate climate science into policies
- Represented Woodwell at local, national, and international workshops and conferences
- Built/maintained relationships with internal and external stakeholders such as the British Foreign Office, U.S. government representatives, and municipalities
- Lead writer on policy briefs, presentations, academic reports, and grants (ex. led a federal grant proposal for $30 million), involves researching, analyzing, writing, and editing
- Managed various policy outreach projects: developing international Arctic policy strategy, assisting global climate security work, and supporting climate risk analysis work for municipalities

NOAA Hollings Scholar, NOAA's Climate Program Office *Summer 2020*
- Completed a review of an NOAA grant program to ensure future operational success
- Interviewed internal stakeholders, analyzed data in Excel and R Studio, and conducted surveys
- Developed report on findings as well as poster and oral presentation, also authored communication reports

Science Policy and Communication Intern, Woodwell Climate Research Center *Summer 2019*
- Analyzed federal policies for climate-induced displacement in the U.S.
- Collected data, synthesized research, and prepared policy briefs
- Wrote social media posts, prepared communication documents, and worked with internal stakeholders

Research Assistant - Ecosystem Ecology, Hampshire College *2018 - 2022*
- Completed literature review research, extracted data, performed QA/QC (~5000 data points), and analyzed data for meta-analysis on warming effects on Arctic tundra biogeochemistry
- Led remote ecological fieldwork, performed environmental lab analysis, and completed written and oral presentation
- Regularly and successfully applied for research funding

[1] Formerly Woods Hole Research Center

- Managed two research assistants in fieldwork techniques

Coordinator, Hitchcock Center for the Environment *2017 - 2020*
- Supported environmental education needs, such as preparing classrooms, working on information sheets, and managing outdoor learning spaces
- Assisted with library management, animal care, and front-end office needs
- Provided information on Living Building Challenge, wastewater operations, and energy outputs
- Worked on fundraising and community events

Other experiences include: Director of Hampshire's Funding Committee, Coordinator at Hampshire College's Student Leadership and Activities Office, Admission Counselor & Orientation Leader at Hampshire College

Research Projects

Impacts of wildfires on vegetation and nutrient cycling in the Arctic tundra *2018 - 2022*
- NSF 2018 and 2019 Polaris Project Student, Woodwell
- Conducted ecological fieldwork, performed environmental lab analysis, and completed paper
- Studying to understand the relationship between fire and shifts in plant stoichiometry relative to community structure over time

Investigating the feasibility of agrivoltaics in Massachusetts *2021*
- Conducted a literature review and semi-structured interviews with academia, NGOs, farmers, and solar companies

Ecological impacts of utility-scale solar arrays *2018 - 2020*
- Conducted fieldwork in New England, data analysis, and written/oral presentation
- Researching how arrays change soil decomposition and macrofauna

Meta-analysis on warming effects of Arctic tundra biogeochemistry *2019 - 2020*
- Literature review research, extracted data, performed QA/QC (~5000 data points), and analyzed data
- Evaluate how warming changes tundra biogeochemical cycles in a habitat- and seasonally specific manner

Selected Publications, Talks, & Posters

2022 **Baillargeon, N.**, G. Pold, S. Natali, & S. Sistla. 2022. Lowland tundra plant stoichiometry is somewhat resilient decades following fire despite substantial and sustained shifts in community structure. *Arctic, Antarctic, and Alpine Research*. 54(1), 525–536. https://doi.org/10.1080/15230430.2022.2121246.

Baillargeon, N., S. Natali, R. Treharne. Review of permafrost science in IPCC's AR6 WG2. 2022. *Woodwell Climate Research Center*

Baillargeon, N. *Translating climate science into govt. action.* Swedish University of Agricultural Sciences (talk).

Baillargeon, N. & D. Dusseau. Building flood-resilient U.S. communities in the age of climate change. 2022. *Woodwell Climate Research Center.*

2021 Pold, G., **N. Baillargeon,** A. Lepe, E. Rastetter, S. Sista. 2021. Warming effects on arctic tundra biogeochemistry are limited but habitat-dependent: a meta-analysis. *Ecosphere.* 12(10):e03777. 10.1002/ecs2.3777.

Baillargeon, N., P. Gold, S. Natali, S. Sistla. *Vegetation Composition and Nutrients in a Shifting Tundra Fire Regime.* Yale's New Horizons in Conservation Conference (poster).

Baillargeon, N. & Natali, S. Impacts of permafrost thaw and wildfires on global carbon budgets. 2021. *Woodwell Climate Research Center.*

Baillargeon, N., G. Perez, C. Yodaiken. Investigating the Feasibility of Agrivoltaics in Massachusetts. 2021. *Smith ScholarWorks.*