

Claire Treat



Graduate Institution: University of New Hampshire

Location: Durham, NH

Graduate Discipline: Biogeochemistry

Hometown: Keene, NH

Research Interests:

I am interested in the interactions between soil, water, and the biogeochemical cycling of carbon and nitrogen, especially in northern ecosystems. My most recent research has used a model of soil temperatures to predict impacts of climate change on permafrost in an Arctic wetland site, which has implications for the carbon balance and ecosystem function. I plan to continue working on the interactions between climate change, permafrost, and soil carbon cycling for my dissertation research.

My other research interests lie in carbon cycling in wetland, in peatlands specifically. I've done quite a bit of work with CO₂ and methane fluxes. I'm also interested in Arctic and boreal ecosystems and climate change, and hope to continue working in Alaska and northern Canada.

About me:

I received my BA from Mount Holyoke College in 2005, and I am currently a UNH-NASA Research and Discover Graduate Fellow at the University of New Hampshire. I will receive my MS from UNH in September 2010. At the UNH, I serve on the President's Commission on the Status of Women, as a member of the Graduate Student Organization and the Women in Science Graduate student group, and as the chair of the Stonewall Grads. Outside of school, I enjoy swimming, skiing, hiking, biking, and spending time with friends and family. I plan to participate in the Preparing Future Faculty program at UNH.



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