



University of New Hampshire

# Fall 2020 Environmental Sciences Seminar Series

## Wednesday, October 21

2:30–3:30pm Online via Zoom—Register [here](#)

**Erin Hotchkiss**

**Assistant Professor, Biological Sciences, Virginia Polytechnic  
Institute State University**  
*Chasing Carbon: What Can Stream Metabolism Tell Us About  
Terrestrial-Aquatic Linkages and Carbon Fate?*

The movement of carbon across land-water boundaries is a critical factor for metabolism in freshwater ecosystems and the net carbon balance of watersheds. Because streams are a primary interface between terrestrial and freshwater ecosystems, they are ideal test beds to advance understanding of land-water carbon transfers and meta-ecosystem ecology (i.e., the study of multiple ecosystems linked by energy and material transfers). Here, I will present a broad overview of carbon cycling in stream ecosystems and how it helps us understand aquatic-terrestrial linkages, how "leaky" terrestrial soils are with respect to carbon storage, and the fate of carbon in streams.



*Seminar Host: [Andrew Robison](#), NRESS PhD Candidate*

*Series sponsored by the Natural Resources and Earth Systems Science (NRESS) Ph.D. Program, in partnership with the Earth Systems Research Center, and the Natural Resources and the Environment and Earth Sciences Departments.*

**Free - All are Welcome**

**Full Series and Registration [HERE](#).**