

Anthony John Stewart

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Education

- University of Washington**, Seattle, WA, Advisors – Dr. L. Monika Moskal and Dr. David Butman exp. 2025
Ph.D. in Environmental and Forest Sciences
- University of New Hampshire**, Durham, NH, Advisor – Dr. Heidi Asbjornsen 2017
M.S. in Natural Resources
- Montana State University**, Bozeman, MT 2014
B.S. in Environmental Science
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Research Experience

- Graduate Research Assistant, UNH**, Seattle, WA 2020 – Present
Investigating remote sensing tools to evaluate and map terrestrial carbon storage driven by detection and characterization of inland wetlands.
- Laboratory Manager, Cornell University**, Ithaca, NY 2017 – 2020
Supported and managed research projects by operating analytical laboratory equipment and leading field research campaigns.
- Graduate Research Assistant, UNH**, Durham, NH 2015-2017
Evaluated effects of forest-to-agriculture land use change on landscape hydrology by conducting ecohydrological measurements and collaborating across disciplines with multiple researchers.
- Environmental Technician, Admiralty Environmental**, Juneau AK Seasonally 2014 & 2015
Ensured State of Alaska and Federal regulated water quality by collecting and analyzing water quality samples from cruise ships, state ferries, and small tour vessels under regulatory scrutiny with compliance reporting in Juneau, AK.
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Teaching Experience

- Graduate Teaching Assistant, UNH**, Durham, NH 2015-2017
Led four semesters of independent instruction for introductory biology focusing on evolution, biodiversity, and ecology through inquiry learning.
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Publications

- Campbell, A.D., Fatoyinbo, T., Charles, S.P., Bourgeau-Chavez, L.L., Goes, J., Gomes, H., Halabisky, M., Holmquist, J., Lohrenz, S., Mitchell, C., Moskal, L.M., Poulter, B., Qiu, H., Resende De Sousa, C.H., Sayers, M., Simard, M., **Stewart, A.J.**, Singh, D., Trettin, C., Wu, J., Zhang, X., Lagomasino, D., 2022. A review of carbon monitoring in wet carbon systems using remote sensing. *Environ. Res. Lett.* <https://doi.org/10.1088/1748-9326/ac4d4d>
- Stewart A**, Coble AP, Contosta AR, Orefice JN, Smith RG, Asbjornsen H. 2020. Forest conversion to silvopasture and open pasture: effects on soil hydraulic properties. *Agroforestry Systems*. DOI: 10.1007/s10457-019-00454-9
- Coble, A.P., Contosta, A.R., Smith, R.G., Siegert, N.W., Vadeboncoeur, M., Jennings, K.A., **Stewart, A.J.**, Asbjornsen, H., 2020. Influence of forest-to-silvopasture conversion and drought on components of evapotranspiration. *Agriculture, Ecosystems & Environment* 295, 106916. <https://doi.org/10.1016/j.agee.2020.106916>.
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Awards

- Instrumentation Discovery Travel Grant** – CUAHSI 2021
- Outstanding Student Presentation Award** – 7th North American Carbon Program 2021