

Aubrey L. Hillman
Curriculum Vitae

Department of Atmospheric and Environmental Sciences
University at Albany, State University of New York
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ACADEMIC APPOINTMENTS

Assistant Professor Department of Atmospheric and Environmental Sciences University at Albany, State University of New York	2021-present
Assistant Professor School of Geosciences Institute for Coastal and Water Research Fellow University of Louisiana at Lafayette	2017-2020
Byrd Postdoctoral Research Fellow Byrd Polar and Climate Research Center The Ohio State University	2015-2017

EDUCATION

Ph.D. Geology University of Pittsburgh	2015
M.S. Geology University of Pittsburgh	2011
B.S. & B.A. Environmental Science & Ancient Studies (archaeology focus) <i>Summa cum laude</i> University of Maryland Baltimore County	2009

PUBLICATIONS

-
- Wang, Q., Xiao, X., Yao, A., **Hillman, A.L.**, Wang, R., Yang, X. Diatom changes reveal the signal of impact of early human activities on alpine lake ecosystems in southeast margin of Tibetan Plateau. *In Review*. **2024**
- Smith, V., Warny, S., Gibson, M., Escarguel, G., Nuñez Otano, N, **Hillman, A.L.**, Holocene palynological records of hydroclimate variability in the southeastern United States. *In Revision*. **2024**
- Sun, C., Shanahan, T.M., He, S., Bailey, A.R., Nusbaumer, J.M., Hu, J., **Hillman, A.L.**, Ornouski, E., Warner, J., DeLong, K.L., ¹⁷O-excess in tropical cyclones reflects local rain re-evaporation more than moisture source conditions. *Journal of Geophysical Research – Atmospheres* 129: e2023JD039361. **2024**
- Zhang, Y., Peng, W., Li, Y., Xiao, X., **Hillman, A.L.**, Diatom-based inferences of environmental changes from an alpine lake on the southeast edge of the Tibetan Plateau over the last 4000 years. *Frontiers in Earth Science, Biogeoscience* 12: 1324724. **2024**
- Hillman, A.L.**, Hart, S.B.*, Smith, V., Warny, S., Holocene hydroclimate stability in three lake sediment records from the southeastern United States. *Palaeogeography, Palaeoclimatology, Palaeoecology* 633: 111904. **2024**
- Xiao, X., Zhao, Y., Chi, C., Zheng, Z., Ma, C., Liang, C., Mao, L., **Hillman, A.L.**, Quantitative pollen-based paleoclimate reconstructions for the past 18.5 ka in southwestern Yunnan Province, China. *Global and Planetary Change* 230: 104288. **2023**
- Griffore, M.P., Shiel, A.E., Rutila, E.C., **Hillman, A.L.**, Barreiro-Lostres, F., Valero-Graces, B.L., Morellon, M., Abbott, M.B. Lead isotope fingerprinting techniques help identify and quantify 3,000 years of atmospheric lead pollution from Laguna Roya, northwestern Iberia. *Anthropocene*: 100375. **2023**
- Vining, B., **Hillman, A.L.**, Contreras, D., Tejedor, E. Expanded agroecological niches and redistributed risks in northern Peru’s Chicama Valley during late-Holocene ENSO climate changes. *The Holocene* 32: 1393-1409. **2022**
- Wu, D., Ma, X., Yuan, Z., **Hillman, A.L.**, Zang, J., Chen, J., Zhou, A., Holocene hydroclimatic variations on the Tibetan Plateau: An isotopic perspective. *Earth Science Reviews* 233: 104169. **2022**

- Hillman, A.L.**, Campisi, A.N.*, Abbott, M.B., Bain, D.J., Griffore, M.P., Tisherman, R.A., Yuan, Z., Wu, D., Yilong lake level record documents coherent regional-scale changes in Holocene water balance in Yunnan, Southwestern China. *Palaeogeography, Palaeoclimatology, Palaeoecology* 601: 111148. **2022**
- Rodbell, D.T., Hatfield, R.G., Abbott, M.B., Chen, C.Y., Woods, A., Stoner, J.S., McGee, D., Tapia, P.M., Bush, M., Valero-Graces, B.L., Lehmann, S.B., Mark, S.Z., Weidhaas, N.C., **Hillman, A.L.**, Larsen, D.J., Delgado, G., Katz, S.A., Solada, K.E., Morey, A.E., Finkenbinder, M., Valencia, B., Rozas-Davila, A., Wattrus, N., Colman, S.M., Bustamente, M.G., Kuck, J., Pierdominici, S. 700,000 years of Tropical Andean Glaciation. *Nature* 607, 301-306. **2022**
- Bain, D.J., **Hillman, A.L.**, Tisherman, R.A., Abbott, M.B., Wu, D. Metal ratio mixing models clarify metal contamination sources to lake sediments in Yunnan, China. *Science of the Total Environment* 820, 153247. **2022**
- Vining, B., **Hillman, A.L.**, Contreras, D., Sentinel 2 estimates of Gross Primary Productivity on Peru's north coast during the 2016 - 2017 el Niño. *Journal of Arid Environments* 198, 104695. **2022**
- Arnold, T.E., **Hillman, A.L.**, McGrath, S.J., Abbott, M.B., Werne, J.P., Hutchings, J., Arkush, E.N. Fecal stanol ratios indicate shifts in camelid pastoralism in the highlands of Peru across a 4,000-year lacustrine sequence. *Quaternary Science Reviews* 270, 107193. **2021**
- Pompeani, D.P., Bird, B.W., Wilson, J.J., Gilhooly III, W.P., **Hillman, A.L.**, Finkenbinder, M.S., Abbott, M.B. Severe Little Ice Age drought in the midcontinental United States during the Mississippian abandonment of Cahokia. *Nature Scientific Reports* 11, 13829. **2021**
- Yuan, Z., Wu, D., Niu, L., Ma, X., Li, Y., **Hillman, A.L.**, Abbott, M.B., Zhou, A. Contrasting ecosystem responses to climatic events and human activity revealed by a sedimentary record from Lake Yilong, southwestern China. *Science of the Total Environment* 783, 146922. **2021**
- Hillman, A.L.**, Yao, A., Finkenbinder, M.S., Abbott, M.B. A 17,000-year multi-proxy study of the Indian Summer Monsoon from Lake Dian, Yunnan, China. *Palaeogeography, Palaeoclimatology, Palaeoecology* 567, 110292. **2021**
- Arnold, T.E., **Hillman, A.L.**, Abbott, M.B., Werne, J.P., McGrath, S.J., Arkush, E.N., Drought and the collapse of the Tiwanaku Civilization. *Quaternary Science Reviews* 251: 106693. **2021**

- Hillman, A.L.**, St. Romain S.J.*, Lake Martin, Louisiana sediments as a record of geomorphology, paleoenvironment, and human activities. *Journal of Paleolimnology* 62 (2), 91-105. **2020**
- Xiao X., Yao, A., **Hillman, A.L.**, Shen J, Haberle, S. Vegetation, climate and human impact since 20 ka in central Yunnan Province based on high-resolution pollen and charcoal records from Dianchi, southwestern China. *Quaternary Science Reviews* 236, 106297. **2020**
- Hillman, A.L.**, O’Quinn, R.F. *, Abbott, M.B., Bain, D.J., A Holocene history of The Indian Monsoon from Qilu Lake, Southwestern China. *Quaternary Science Reviews* 227, 106051. **2020**
- Xu, A., Yang, L.E., Yang, W., **Hillman, A.L.**, “Resilience of the human-water interrelationship at the southern silk road: evolution of the northern catchment of Erhai Lake, China (1382-1912)” in *Socio-Environmental Dynamics along the Historical Silk Road*. Eds: Yang, L.E., Bork, H.-R., Fang, X., Mischke, S., Springer International Publishing, Switzerland, pp. 325-358. **2019**
- Hillman, A.L.**, Yao, A., Abbott, M.B., Bain, D.J., Two millennia of anthropogenic landscape modification and nutrient loading at Dian Lake, Yunnan Province, China. *The Holocene* 29, 505-517. **2019**
- Pompeani, D.P., **Hillman, A.L.**, Finkenbinder, M.S., Bain, D.J., Correa-Metrio, A., Pompeani, K.M., Abbott, M.B., The environmental impact of a pre-Columbian city based on geochemical insights from lake sediment cores recovered near Cahokia. *Quaternary Research* 19, 714-728. **2018**
- Reilly, B.T., Stoner, J.S., Hatfield, R.G., Abbott, M.B., Marchetti, D.W., Larsen, D.J., Finkenbinder, M.S., **Hillman, A.L.**, Kuehn, S.C., Heil, C.W., Regionally consistent Western North America paleomagnetic directions from 15-35 ka: assessing chronology and uncertainty with Paleosecular Variation (PSV) Stratigraphy. *Quaternary Science Reviews* 201, 186-205. **2018**
- Hillman, A.L.**, Abbott, M.B., Yu, J.Q., Climate and anthropogenic controls on the carbon cycle of Xingyun Lake, China. *Palaeogeography, Palaeoclimatology, Palaeoecology* 501, 70-81. **2018**
- Hillman, A.L.**, Abbott, M.B., Finkenbinder, M.S., Yu, J.Q., An 8,600 year lacustrine record of summer monsoon variability from Yunnan, China. *Quaternary Science Reviews* 174, 120-132. **2017**
- Hillman, A.L.**, Abbott, M.B., Valero-Garcés, B., Morellón, M., Barreiro-Lostres, F., Bain, D.J., Lead pollution resulting from Roman gold extraction in Northwestern Spain. *The Holocene* 27 (10), 1465-1474 **2017**

- Rossi, R.J., Bain, D.J., **Hillman, A.L.**, Pompeani, D.P., Finkenbinder, M.S., Abbott, M.B., Reconstructing early Industrial contribution to legacy trace metal contamination in Southwestern Pennsylvania. *Environmental Science and Technology* 51 (8), 4173–4181 **2017**
- Hillman, A.L.**, Abbott, M.B., Yu, J.Q., Steinman, B.A., Bain, D.J., The isotopic response of Lake Chenghai, SW China, to hydrologic modification from human activity. *The Holocene* 26 (6), 906-916. **2016**
- Steinman, B.S., Pompeani, D.P., Abbott, M.B., Ortiz, J.D., Stansell, N.D., Finkenbinder, M.S., Mihindukalasarriya, L., **Hillman, A.L.**, Oxygen isotope records of Holocene climate variability in the Pacific Northwest. *Quaternary Science Reviews* 142, 40-60. **2016**
- Barreiro-Lostres, F., Brown, E., Moreno, A., Morellón, M., Abbott, M.B., **Hillman, A.L.**, Giralt, S., Valero-Garcés, B. Sediment delivery and lake dynamics in a Mediterranean mountain watershed: an integrated view for the last millennium (El Tobar Lake record, Iberian Range, Spain). *Science of the Total Environment* 533, 506-519. **2015**
- Hillman, A.L.**, Abbott, M.B., Yu, J.Q., Bain, D.J., Chiou-Peng, T.Z., The environmental legacy of the Mongols recorded in lake sediments in Yunnan, China. *Environmental Science and Technology* 49, 3349–3357. **2015**
- Hillman, A.L.**, Yu, J.Q., Abbott, M.B., Cooke, C.A., Bain, D.J., Steinman B.A, Rapid environmental change during dynastic transitions in Yunnan Province, China. *Quaternary Science Reviews* 98, 24-32. **2014**

*graduate student advisee

GRANTS

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- NSF- Paleo Perspectives on Present and Projected Climate, “Collaborative Research: A 50,000-year continuous record of the Indian Summer Monsoon from Loktak Lake, NE India”, PI **2023-2026**
- UAlbany project SAGES seed proposal, “Understanding northeastern US hydroclimate over the past 10,000 years using oxygen isotopes from sediment cores”, PI **2023-2024**
- NSF-Archaeology, “Collaborative research: The environmental context surrounding Moundville, AL occupation”, PI **2023-2025**

NSF-Paleo Perspectives on Climate Change, “Collaborative research: Developing records of hydroclimate variability in the Southeastern United States from the Middle Holocene to present-day”, PI	2021-2024
NSF-Infrastructure and Facilities, “Acquisition of a tabletop SEM / EDS system at the University of Louisiana at Lafayette”, co-PI	2021-2022
NSF-Archaeology, “Collaborative research: Coupling and cohesion as factors affecting vulnerability to abrupt climatic change: a theoretical model and its application to prehispanic agroecology in Peru”, co-PI	2020-2023
Louisiana Board of Regents Targeted Enhancement Program, “Acquisition of a laser diffraction particle size analyzer for research, education, and training in earth and energy sciences”, co-PI	2019-2020
NSF-Geomorphology and Land Use Dynamics, “Quantifying human forcing of legacy sediment and metal contamination dynamics on the Yunnan Plateau of Southwestern China”, co-PI	2017-2021
Louisiana Board of Regents Research and Development Program, “Developing an understanding of nutrient loading, metal contamination, and sediment delivery to lakes in Southwestern Louisiana”, PI	2017-2019
NSF-Archaeology, “Bridging paleolimnology and archaeology through human biomarkers in lake sediment: demography, land-use, and climate in the Northwest Titicaca Basin”, post-doctoral researcher/co-PI	2015-2018
University of Pittsburgh international studies fund, “Quantifying the environmental legacy of early human modification to lakes in Southwestern China”	2014
Geological Society of America graduate research award, “Long-term Indian Summer Monsoon variability as recorded in lake sediments from the Yunnan Plateau of China”	2014
Geological Society of America graduate research award, “Reconstruction of early metallurgy in the Yunnan Province of China from lake sediment studies”	2013
Henry Leighton memorial scholarship	2012, 2013

TEACHING

Global Biogeochemical Cycles (graduate level), UAlbany	2023
Topics in Limnology and Oceanography (graduate level), UAlbany	2022
Understanding the Earth, UAlbany	2021, 2022
Meteorological and Environmental Measurements, UAlbany	2021-2024
Biogeochemical Cycles (graduate level), UL Lafayette	2018-2020
Air Quality, UL Lafayette	2018-2020
Field Methods for Environmental Science, UL Lafayette	2017-2020
Introduction to Environmental Science, UL Lafayette	2017-2020
Landscape Evolution, UL Lafayette	2017
Environmental Geology, University of Pittsburgh Greensburg	2012
Geology, Towson University	2011
Physical Science, Anne Arundel Community College	2011
Meteorology, Community College of Baltimore County	2011
Earth Science, Duquesne University	2010-2011
Geology Teaching Assistant, University of Pittsburgh	2009-2014

AWARDS AND HONORS

UAlbany project SAGES external mentorship award	2022
NSF GeoAllies - Improving diversity and inclusion in geosciences field trip award	2021-2022
Mid-Winter's Fair endowed professorship	2017-2020
UL Lafayette faculty travel award	2017, 2018
Certificate of excellence in reviewing Journal of Paleolimnology	2016-2018

Byrd Post-Doctoral research fellowship	2015-2017
Andrew Mellon pre-doctoral fellowship	2012-2013

MEETING ABSTRACTS (LAST 5 YEARS ONLY)

Hillman, A.L. , Bain, D.J., Abbott, M.B., Lake organic and inorganic carbon cycle decoupling in response to historical watershed activities in Yunnan, China. EGU annual meeting.	2024
Sharma, P., Singh, R., Hillman, A.L. , Griffore, M., Konecky, B., Abbott, M.B., Identifying trends in late Holocene monsoon variability from Loktak Lake, NE India. AGU fall meeting.	2023
Hillman, A.L. , Hart, S.B.*, Smith, V., Warny, S., Bart, P.J., Holocene hydroclimate stability in the Southeastern United States documented by three lake sediment records. AGU fall meeting.	2023
Hooler, S.E.*, Climate change impacts on Adirondack lakes: assessing the threshold and synergistic responses of environmental stressors. GSA annual meeting.	2023
Hillman, A.L. , Vining, B.R., Pollack, E., Handloser, R., Pre-Colonial and Colonial landscape disturbance recorded in Laguna Sausacochoa, Peru. Joint International Association of Limnogeology and International Paleolimnology Association meeting.	2022
Sun, C., Shanahan, T.M., He, S., Bailey, A.R., Nusbaumer, J.M., Hu, J., Hillman, A.L. , Ornouski, E., Warner, J., DeLong, K.L., ¹⁷ O-excess in tropical cyclones is controlled by integrated local and remote evaporative conditions. AGU fall meeting.	2022
Campisi, A.N.*, Hillman, A.L. , Vornlacher, J.R., Vining, B.R., Understanding glacial patterns within lake sediments of the Peruvian Andes. AGU fall meeting.	2022
Hooler, S.E.*, Hillman, A.L. , Pagnotti, V.G., New York loved heavy metal in the 1980s: Unyoking impacts of collective human stressors on regime shifts in trophic states of lacustrine systems. AGU fall meeting.	2022
Smith, V., Warny, S., Hart, S., Taylor, R., Hillman, A.L. , Holocene palynological records of hydroclimate variability in the southeastern United States. AASP-The Palynological Society International meeting.	2022

- Hillman, A.L.**, Abbott, M.B., Bain, D.J., Yu, J.Q., Yao, A., Wu, D., 2021
Disentangling climate and human influences on lakes in Yunnan, China using a multi-Proxy approach. AGU fall meeting.
- Hillman, A.L.**, Warny, S., Smith, V., Campisi, L.N.*, Lake records of 2021
hydroclimate variability in the Southeastern United States from the Middle Holocene to present-day. AGU fall meeting.
- Campisi, L.N. *, **Hillman, A.L.**, Abbott, M.B., Bain, D.J., Griffore, M.P., 2021
Tisherman, R.A., Wu, D., A lake sediment record of Holocene climate variations in South Asia. AGU fall meeting.
- Hillman, A.L.**, Abbott, M.B., Singh, R., Loktak Lake highstand in NE 2020
India during a wet LIA following megadrought conditions. AGU fall meeting.
- Hillman, A.L.**, Abbott, M.B., Bain, D.J., Lake sediments as geochemical 2020
archives of anthropogenic impacts on the environment. American Chemical Society central regional meeting. *Invited talk - canceled due to COVID-19.*
- Griffore, M.P., **Hillman, A.L.**, Abbott, M.B., Bain, D.J., Lincoln, R.M., 2019
Wu, D., Elemental analysis of lake sediment archives from Lakes Qilu and Yilong, Yunnan Province, China. fall meeting.
- Hillman, A.L.**, Goodin, J.*, Abbott, M.B., Bain, D.J., Tisherman, R., A 2019
geochemical mixing model approach to attributing sediment sources from four lakes in Yunnan, China and connections to hydrologic balance. GSA national meeting.
- Goodin, J.*, **Hillman, A.L.**, Vining, B.R., The spatial and temporal 2019
distribution of metalworking within Northern Peru. GSA national meeting.
- Hillman, A.L.**, St. Romain, S.J.*, Records of lake level change from 2019
three ponds in SE Alabama. South-Central GSA meeting.

*graduate student advisee

INVITED TALKS

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- University of Florida 2023
- California State University - Fullerton 2021

PAGES Human Traces workshop	2021
University of Florida	2020
UL Lafayette College of Sciences Interdisciplinary Monthly Meeting	2018
Louisiana State University	2017
UL Lafayette Cajun IGNITE session on Louisiana studies	2017
University of Chicago	2016
Denison University	2016
Moravian College	2015
Carnegie Mellon University	2015
Lamont-Doherty Earth Observatory	2014
Institute of Tibetan Plateau Research, China	2013
Lanzhou University, China	2013
Qinghai Institute of Salt Lakes, China	2013
Pennsylvania State University	2013

ADVISING

Primary adviser of PhD

Skylar Hooler (expected 2025), Sumar Hart (expected 2027)

Primary adviser of MS

Roxanna Vaught-Mijares (2018), Ryan O'Quinn (2019), Scott St. Romain (2019), Moira Lyons (2019), John Goodin (2020), Andrew Braun (2020), Lena Campisi (2022)

Committee member of PhD

Rebecca Tisherman, Melissa Griffore, Archana Tripathy, Rebecca Orrison, Ian Plummer

Committee member of MS

Marie Cook, Natalie Morrill, Carson Allen, Taylor Dorn, Anne Brennan, Grace Stone, Jamie Vornlacher, Taylor Girouard, Courtney Poirier, Robert Narmour, Ajay Bhandari, Joshua Hardt, James Rask, Feyisayo Anifowose, Chris Howe, David Slay, Daliza Rivera-Matos

Undergraduate honors thesis/independent study

Stephanie Garcia, Teri Lewis (REU student), Alyssa Mulford (REU student), Meagan Froeba, Sumar Hart, Raheem Taylor, Victor Pagnotti, Lily Makely, Ally Egnaczak, Barbara Buck, Josilyn Bouffard, Lindsay Solomon, Kaylia Morgan

SERVICE AND OUTREACH

Review editor for Frontiers in Earth Science Quaternary Science, Geomorphology, and Paleoenvironment section	2023-present
College of Arts and Sciences faculty council member Meeting recorder	2023-present
UAlbany DAES graduate committee member	2021-present
Reviewer <i>e.g., Quaternary Science Reviews, The Holocene, Limnology and Oceanography, Journal of Paleolimnology, Applied Geochemistry, Nature Communications, PLOS One, Science of the Total Environment</i>	2013-present
NSF panel member	2024
Co-convener of AGU session “Limnology, paleolimnology, and limnogeology - lakes as archives of climate and environment variability and geohazards”	2022
Daniel and Wendy J.L. Keyser teaching excellence award selection committee	2021, 2023
Identifying new community-driven science themes for NSF’s support of paleoclimate research workshop	2021
EarthRates all hands meeting	2021
UL Lafayette Geology graduate committee member	2020
Faculty advisor for Association of Women Geoscientists UL Lafayette chapter	2019-2020
Faculty advisor for UL Lafayette Students Against the Violation of the Environment	2019-2020
Expert reviewer for IPCC sixth assessment report	2019
NSF panel member	2018
Skype a Scientist K-12 outreach	2018-2021

Undergraduate advisor for UL Lafayette Environmental Science majors (~40)	2018-2020
Mentor for NSF REU program “Healthy Streams, Health Coasts”	2018-2019
Girls on the Run head coach After school enrichment program for grades 3 & 4 girls at Woodvale Elementary	2018-2019
Science on the Bayou public lecture series	2018
Co-convener of AGU Session “Terrestrial hydroclimate variability in the Americas: causes and impacts based on proxies and models”	2018
Volunteer for high school science & preview days UL Lafayette Ray P. Authement College of Sciences	2017-2019
Judge for earth and environmental science fair Lafayette region IV science fair	2017-2019
Volunteer for Vermilionville earth day Bayou Vermilion district	2017-2019
Community priorities and planning workshop National Science Foundation EarthRates program	2017
Judge for outstanding student paper awards AGU fall meeting	2016-2022
Judge for Denman undergraduate research forum The Ohio State University	2016
K-12 outreach at Byrd Polar and Climate Research Center The Ohio State University	2015-2016
Convener of International Paleolimnology Symposium session “Lake sediments as recorders of human-environmental interactions”	2015
High school outreach Thomas Jefferson high school science club	2014
Convener of AGU session “Linking human and environmental change: evidence for the early anthropogenic hypothesis”	2014

PROFESSIONAL DEVELOPMENT

UAlbany Proposal Writing Seminar Course	2020-2021
Interdisciplinary workshop on climate, environment, and culture in China <i>Canceled due to COVID-19</i>	2020
Interdisciplinary workshop on climate, people, and camelids in the Titicaca Basin	2019
Writing/designing NSF proposals workshop Sponsored by Grant Training Center	2018
CPR and first aid certified Sponsored by the American Red Cross	2018
Early career geoscience workshop Sponsored by On the Cutting-Edge Professional Development and the National Association of Geoscience Teachers	2017
Expert witness training academy – communicating science effectively Sponsored by National Science Foundation Paleoclimate Program	2016
Diversity and implicit bias training Sponsored by The Ohio State University multicultural center	2016
Wilderness first aid certified Sponsored by True North wilderness survival school	2015
An introduction to evidence-based undergraduate STEM teaching Online course- <i>statement of accomplishment with distinction</i> Sponsored by the Center for the Integration of Research, Teaching, and Learning	2014
Preparing for an academic career in the geosciences workshop Sponsored by On the Cutting-Edge Professional Development and the National Association of Geoscience Teachers	2014

OTHER RESEARCH EXPERIENCE

Researcher for University of Pittsburgh World History Center Investigated paleoclimate as related to human evolution and migration	2010-2013
Stream ecology intern for Dr. Christopher Swan of the University of Maryland Baltimore County	2007-2008

Project- “Consumer feeding interacts with selective tree species loss in streams: consequences for in-stream ecosystem processes”

FIELD WORK EXPERIENCE

Northeastern US	2021-2024
Directed collection of lake sediment cores	
India	2018-2024
Collected lake sediment cores	
Coordinated international drilling team	
Southeastern US	2017-2023
Directed collection of lake sediment cores	
Peru	2015-2018
Directed collection of lake sediment cores	
Collected snow and ice samples from Quelccaya glacier	
Served on science team of Lake Junin drilling project	
China	2014-2015
Directed collection of lake sediment cores	
Served as field geologist on archaeological excavation	
Spain	2014
Collected lake sediment cores	
Western US	2013
Collected lake sediment cores	
China	2012
Collected lake sediment cores	
Midwestern US	2011-2014
Collected lake sediment cores	
Baltimore, Maryland	2007, 2008
Collected water and leaf litter samples	
Australia and New Zealand	2007
Undergraduate field camp	

PROFESSIONAL MEMBERSHIPS

American Geophysical Union
European Geophysical Union
Geological Society of America
Earth Science Women's Network
Association of Women Geoscientists