

# Ashley K. Eaton, EdD

## Curriculum Vitae

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### PROFESSIONAL EXPERIENCE

- **Watershed and Lake Education Coordinator**, *University of Vermont: Lake Champlain Sea Grant and the University of Vermont Extension; Burlington, VT (January 2017 – present)*
  - **Primary job responsibilities:** Direct education program, supervise staff, oversee participatory stream science program, K-12 stormwater program compliance (VT DEC contract)
- **Program Assistant**, *University of Vermont: Lake Champlain Sea Grant and the University of Vermont Extension; Burlington, VT (January 2015 – 2017)*
- **Program Assistant**, *Champlain Valley Union High School; Hinesburg, VT (2014-2015)*
- **AmeriCorps Member Natural Resource Instructor**, *Winooski Valley Park District; Burlington, VT (2013-2015)*
- **Assistant Director and Natural Resource Instructor**, *Vermont Fish and Wildlife; Hardwick, VT (2012-2014)*

### TEACHING EXPERIENCE

University of Vermont, Burlington, VT (July 2019-present)

*NR 5990: Watershed Alliance Teacher Researcher (6cr)*

*NR 295/395: Stormwater Education Methods (1cr)*

*EDCI 220: Champlain Research Experience for Secondary Teachers (3cr)*

Vermont State University, Castleton, VT (June 2017-present)

*EDX 5710 S76: Watershed for Every Classroom (6cr)*

### EDUCATION

**Doctor of Education**, University of Wisconsin Stevens Point, WI; June 2024

Dissertation: *Port to Praxis: A Mixed Methods Study Evaluating the Impact of Vessel-Based Professional Learning Experiences on K-12 Teachers' Knowledge, Teaching Efficacy, and Sense of Place*

**Master of Science**, University of Vermont, Burlington, VT; December 2017

*Leadership for Sustainability, focus: Watershed Education*

Thesis: *Watershed Education Practicum: A Pathway to Catalyzing Change in Watershed Science Education*

**Bachelor of Science**, University of Vermont, Burlington, VT; May 2013

*Major: Elementary Education, Minor: Environmental Science*

### STATE, DISTRICT, & NATIONAL LEADERSHIP ACTIVITIES

|                                                                       |                       |
|-----------------------------------------------------------------------|-----------------------|
| Chair: NOAA Sea Grant Education Network                               | Jan. 2025 – present   |
| Incoming Chair: NOAA Sea Grant Education Network                      | Jan. 2023 – Dec 2024  |
| Co-Chair: Vermont Education and Environment Network                   | Jan. 2019 – July 2023 |
| Secretary: NOAA Sea Grant Education Network                           | Jan. 2019- Dec 2023   |
| Northeast Regional Climate Change Education Collaborative member      | May 2017 – present    |
| National Sea Grant Environmental Literacy Visioning Taskforce         | June 2017 – May 2018  |
| North American Association of Environmental Education State Affiliate | Nov. 2016 –present    |

## PUBLICATIONS

- Eaton, A.K.**, Stepenuck, K.F., McKelvey, C., Immordino, M., Spaysk, A., A Model of Watershed Place-Based Learning for K-12 Students and Teachers. *Journal of Environmental Education*
- Eaton A.K.**, Blake, C., Spaysk, A., Immordino, M., Trachte, N. 2023. Watershed Explorers Challenge. University of Vermont Extension. 112 pp. [https://issuu.com/sadrury/docs/uvm\\_004\\_21\\_streammonitoringbooklet\\_fin-r1](https://issuu.com/sadrury/docs/uvm_004_21_streammonitoringbooklet_fin-r1)
- Eaton A.K.**, Blake, C., Trachte, N. 2020. Watershed Explorers Challenge. University of Vermont Extension. 33 pp. [https://issuu.com/sadrury/docs/watershed\\_xplorer\\_challenge\\_2020](https://issuu.com/sadrury/docs/watershed_xplorer_challenge_2020)
- Stevens, D., Stepenuck, K.F., and **Eaton, A.K.** 2019. *Nebi: Abenaki Water of Knowing Water*. Peregrine Productions. <https://vimeo.com/326359780>
- \*Nominated for a NOAA Sea Grant Excellence in Communications Award.
- Eaton, A.K.**, L. Bowden, L. Traister, K. Stepenuck, and A. Tarren. 2019. TRY 4-H20 Curriculum. University of Vermont Extension. 73 pp.
- Coleman, S., Stepenuck, K., **Eaton, A.K.** 2018. Stormwater Stewardship in the Classroom: Lessons for Middle School Classrooms. University of Vermont Extension. 48 pp.
- Eaton, A. K.**, "Master's Project: Watershed Education Practicum: A Pathway to Catalyzing Change in Watershed Science Education" (2018). *Rubenstein School Leadership for Sustainability Project Publications*. 7. <https://scholarworks.uvm.edu/rsisp/7>
- Lee, E., K. Stepenuck, **Eaton, A.K.** 2017. Weather and Climate Curriculum Grade 3 Curriculum. University of Vermont.

## IN PREPERATION

- Immordino, M., Stepenuck, K.F., **Eaton, A.K.**, From Creek to Career, Exploring the impacts of watershed education internships on career pathways. *Target Journal: Journal of Career Development*.
- Eaton, A.K.**, Educator Exchanges: A Network Approach to Professional Learning for Marine Educators. *Target Journal: The Current: Journal of Marine Education*.
- Eaton, A.K.**, Port to Praxis: A Mixed Methods Study Evaluating the Impact of Vessel-Based Professional Learning Experiences on K-12 Teachers' Knowledge, Teaching Efficacy, and Sense of Place. *Target Journal: Journal of Research in Science Teaching*.

## RELEVANT PRESENTATIONS

- Professional Presentation: *From Port to Praxis: a study evaluating the impact of vessel-based professional learning programs on K-12 teachers*. National Marine Educators Conference (7/29/24).
- Professional Presentation: *Overview of Social Science Research on the Shipboard Science Workshop Impacts*. International Association for Great Lakes Research (IAGLR) Annual Conference on Great Lakes Research (5/21/24).
- Professional Presentation: *Educator Exchanges - the Power of Peer Learning in Marine Science Education*. National Marine Educators Association Conference. (7/26/23).
- Professional Presentation: *It takes a Watershed: Learning about the Lake with Lake Champlain Sea Grant*. Extension Professional Improvement Conference. (5/3/23).
- Professional Presentation: *Integrating Citizen Science with Water Resources Research Across the Globe*. CUAHSI Webinar Series. (3/15/23).
- Educational presentation: *Clean Water Work: Workforce Development & Green Infrastructure*. Vermont Works for Women. (9/22/22).
- Professional presentation: *Watersheds as a Framework for Learning*. Lake Champlain Research Conference. (5/23/22).
- Professional presentation: *Evaluation of Climate Justice Professional Learning and the Development of Teaching Practices with Informal Educators*. World Environmental Education Conference (3/8/22).
- Professional presentations *Green Schools: Stormwater 101 and Educational Opportunities*. Virtual series. (2021)

- Educational presentation: *Slow the Flow*. Youth Environmental Summit (10/30/20).
- Professional presentation: *Using Local Long-Term Datasets to Understand Ecological Shifts and Challenges - No Software Required!* National Association of Environmental Education Annual Conference (10/5/20).
- Professional presentation: *Watershed Alliance Making Waves for Future Watershed Educators*. National Association of Environmental Education Annual Conference (10/5/20). A collaborative effort with Caroline Blake, Lake Champlain Sea Grant.
- Professional presentation: *Systems Change for More Welcoming Organizations*. National Association of Environmental Education Annual Conference (10/5/20). A collaborative effort from the Vermont Education and Environment Network with Kerri McAllister.
- Educational presentation: *Watershed Wise – Explore Local Water Quality Challenges and Learn How You Can Make a Difference*. Natural Resources Management Academy (7/15/20).
- Educational presentation: *Introduction to Watershed Science*. Lake Champlain Sea Grant Zoom a Scientist Series (4/3/20).
- Educational presentation: *Benthic Basics*. Lake Champlain Sea Grant Zoom a Scientist Series (3/31/20).
- Professional presentation: *Water: Our Vital Resource*. Greater Burlington Women’s Forum Panel (10/17/19).
- Professional presentation: *Diving into the Watershed Science: The Watershed Alliance K-12 Education Program*. University of Vermont Extension Professional Conference (5/11/18).
- Professional presentation: *Watershed for Every Classroom*. Northeast Association for Science Teacher Education (10/12/17). A collaboration of the Champlain Basin Education Initiative.
- Masters Defense: *Watershed Education Practicum: A Pathway to Catalyzing Change in Watershed Science Education*. University of Vermont (11/1/17).

## CURRENT & PENDING GRANTS

### Current

- WATR (Watershed Alliance Teacher and Researcher) Partnership, Lake Champlain Basin Program (02/2023-11/25), \$37,338

### Previous

- Sea Grant Educator Professional Learning Workshop Exchanges to Cultivate Organizational Excellence, National Oceanic and Atmospheric Administration (02/2023-08/2024), \$15,000

### Not Funded

- MRI: Track 1 Acquisition of a Lake Profiling System, National Science Foundation (12/2023-04/2026), \$231,235
- Environmental drivers of lake zooplankton community dynamics and trait-based predictions of lake functioning worldwide, National Science Foundation, (01/2024-12/2028), \$583,417
- A Network Based Approach to Professional Learning to Cultivate Organizational Excellence, National Oceanic and Atmospheric Administration (02/2024-08/2025), \$15,000
- Linking environmental drivers with lake zooplankton biodiversity dynamics to inform trait-based predictions of lake ecosystem function, National Science Foundation, (05/2025-04/2030), \$755,012