

**Kristine Stepenuck**  
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## Education

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- 2013 Ph.D. University of Wisconsin – Madison GPA: 3.90  
*Focus:* Environment and Resources.  
*Dissertation:* Improving Understanding of Outcomes and Credibility of Volunteer Environmental Monitoring Programs  
*Advisors:* Dr. Kenneth Genskow and Dr. Pete Nowak
- 1999 M.S. University of Wisconsin – Stevens Point GPA: 3.98  
*Focus:* Natural Resources with emphasis in Water Resources.  
*Thesis:* Impacts of Urban Land Use on Benthic Macroinvertebrate Communities with Comparison of Samples from Snags and Riffles for Southeastern Wisconsin Streams  
*Advisor:* Dr. Ronald Crunkilton
- 1995 B.S. University of New Hampshire, Durham GPA: 3.54  
*Major:* Water Resources Management. *Minor:* Hydrology.  
*Summer Research Fellowship:* Nitrate Removal from a Region of Underground Flow in a First Order Stream  
*Advisor:* Dr. William McDowell

## Professional Experience

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- 2021 – present *Extension Associate Professor of Watershed Science, Policy and Education, Rubenstein School of Environment and Natural Resources, University of Vermont. Burlington, VT.*
- 2020 – present *Associate Director, Lake Champlain Sea Grant, University of Vermont. Burlington, VT*
- 2018 – 2022 *US Co-Chair, Public Advisory Group, International Joint Commission, Lake Champlain-Richelieu River Flood Study.*
- 2015 – 2021 *Extension Assistant Professor of Watershed Science, Policy and Education, Rubenstein School of Environment and Natural Resources, University of Vermont. Burlington, VT.*
- 2015 – present *Extension Program Leader, Lake Champlain Sea Grant, University of Vermont. Burlington, VT.*
- 2001 – 2015 *Volunteer Stream Monitoring Program Coordinator, University of Wisconsin-Extension and Wisconsin Department of Natural Resources. Madison, WI.*
- 2013 – 2014 *Adjunct Faculty, Viterbo University. West Allis, WI.*
- 2000 – 2000 *Watershed Project Manager, Macatawa Area Coordinating Council. Holland, MI.*
- 1999 – 2000 *Eurasian Water Milfoil Researcher, University of Wisconsin – Stevens Point. Stevens Point, WI.*
- 1997 – 1999 *Aquatic Macroinvertebrate Researcher (Master's Thesis), University of Wisconsin – Stevens Point. Stevens Point, WI.*
- 1999 – 1999 *Soil Conservation and Watershed Inventory Field Course Instructor, University of Wisconsin – Stevens Point, Treehaven Field Camp. Tomahawk, WI.*
- 1998 – 1999 *Aquatic Toxicology Lab Manager, University of Wisconsin – Stevens Point, Aquatic Toxicology Laboratory. Stevens Point, WI.*
- 1998 – 1998 *Water and Soil Resources Teaching Assistant, University of Wisconsin – Stevens Point. Stevens Point, WI.*
- 1996 – 1997 *Rivers Program Assistant, New Hampshire Department of Environmental Services, New Hampshire Rivers Management and Protection Program. Concord, NH.*

- 1995 – 1997      *Marine, Freshwater, and Terrestrial Environmental Educator*  
                          Tanglewood 4H Camp and Learning Center, University of Maine Cooperative Extension,  
                          Lincolnville, ME. (1996 – 1997)  
                          Habitat Education Center, Massachusetts Audubon, Belmont, MA. (1997)  
                          Shelburne Farms, Shelburne, VT. (1996)  
                          Seacoast Science Center, Rye, NH. (1995)  
                          University of New Hampshire Sea Grant, Durham, NH. (1995)
- 1995 – 1995      *Aquatics Education Intern*, Merrimack River Watershed Education Program, New Hampshire Fish  
                          and Game Department. Concord, NH.
- 1995 – 1995      *Chemistry Lab Technician*, Keene State College. Keene, NH.

### UVM Teaching

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4. NR295/395 *Stormwater Education Methods*. 1 credit. University of Vermont. Fall 2019. Fall 2020. (Designed)
3. NR195 *Water Management and Sustainability in the Netherlands*. 3 credits. University of Vermont. Sustainability General Education requirement (SU)-approved. Summer 2018; Summer 2019. (Designed)
2. NR306 *Envisioning a Sustainable Future*. 1 credit. University of Vermont. Fall 2017; Fall 2018. (Co-instructed)
1. NR102 *Water as a Natural Resource*. 3 credits. SU-approved. University of Vermont. Spring 2017; Spring 2018. (Redesigned)

### UVM Guest Lectures

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13. CDAE 400. *Sustainable development policy, economics, and governance*. Spring 2022.
12. ENSC 002. *International environmental studies and solutions*. Spring 2022.
11. PSS 195. *Agriculture and the Environment*. Fall 2021.
10. CE 186, Senior Capstone. *Lake Champlain Sea Grant and Road Salt Monitoring and UVM Salt Reduction Working Group*. Spring 2021.
9. NR 280, Stream Ecology. *Overview and Tips of Identification of Common Aquatic Macroinvertebrates of Vermont*. Fall 2019.
8. NR 280, Stream Ecology. *Overview and Tips of Identification of Common Aquatic Macroinvertebrates of Vermont*. Fall 2018.
7. PSS 145, Turfgrass Management. *Low Input Lawn Care Outreach and Research of Lake Champlain Sea Grant and UVM Extension*. Fall 2018
6. CDAE 295/395, Smart Resilient Communities. *Citizen Science: Making a World of Difference*. Spring 2018
5. NR 205, Ecosystem Management. *Citizen Science Overview* panelist. Fall 2017
4. Rubenstein School Spring Seminar Series, From Research to Practice & Back. Spring 2017
3. NR 395, Appl. Ecol., Env. & Society. *Lake Champlain Sea Grant Outreach*. Fall 2016
2. ENVS 195, Nonmaterial Values of Ecosystems. *Volunteer Monitoring and its Impacts on Policy and Management*. Spring 2016
1. ENVS 195, Emerging Technology & Health. *Understanding Impacts of Volunteer Monitoring*. Fall 2015

### Honors and Awards

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| 2018 | Nominee for the Marcia Caldwell Award that recognizes a UVM staff or faculty member who has demonstrated exceptional service to our students, but not selected. |
| 2016 | David N. Redell Award for Lifetime Achievement in Citizen-based Monitoring.   |
| 2015 | Wisconsin Extension Environmental and Community Development Association Outstanding Achievement Award.  |

2014	Rock River Coalition River Friends Award.
2012	North American Lake Management Society (NALMS) Technical Merit Award for Public Education/Outreach. Extension Volunteer Monitoring Network.
2011	Wisconsin Department of Natural Resources Water Resources Employee of the Year Award.
2010	USDA National Water Program Project of Excellence, National Water Resources Project “Moving Volunteer Water Monitoring to the Next Level.”
2010	USDA National Water Program Project of Excellence, Regional <i>E. coli</i> Monitoring Project, “Building Volunteer Capacity and Comparing Methods for <i>E. coli</i> Monitoring in Streams: A Multi-State Effort.”
2010	UW-Extension Academic Staff Regents Award for Excellence nominee.
2008	USDA National Water Program, Outstanding Extension Program – Water Resources Team Award, Building <i>E. coli</i> Monitoring Capacity.
2006	Association of Natural Resource Extension Professionals Outstanding Team Award.
2003	Wisconsin State Council of Trout Unlimited Appreciation Award.
1998	Best student paper at the 60th Midwest Fish and Wildlife Conference.
1993 – 1995	Xi Sigma Pi Honor Society, University of New Hampshire.
1991 – 1995	Governor’s Success Scholarship (4-year academic tuition scholarship), University of New Hampshire.
1991	Valedictorian, Monadnock Regional High School. Swanzey, NH.

## Grants and Contracts

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1. *Enhancing Coastal Adaptation and Resilience*. NOAA National Sea Grant College Program. 2022-24. Co-PI. \$125,000
2. *Moving Towards a More Economically Viable Land-based Aquaculture Industry in Vermont*. 2022-24. Co-PI. \$32,853
3. Advancing the Great Lakes Aquaculture Collaborative. NOAA National Sea Grant College Program (via Minnesota Sea Grant). Co-PI. \$33,762
4. *Lake Champlain Sea Grant 2022-24 Omnibus*. NOAA National Sea Grant College Program. 2022-24. Co-PI. \$2,140,945
5. *Development of a Residential Stormwater Management Incentive and Education Program*. City of Burlington, VT. 2021- 2023. Co-PI. \$99,029. UVM portion: \$28,833
6. *Sea Grant – Vermont Lakes Partnership Program – Extension*. Vermont Agency of Natural Resources. 2022-2023. PI. \$50,000
7. *Community Science Catalyst*. National Sea Grant College Program. 2021-2025. Co-PI. \$400,000. UVM portion: \$6,903
8. *Green Infrastructure Collaborative – SFY 22*. Vermont Agency of Natural Resources. 2022-2024. PI. \$112,370
9. *Enhancing Access of New Americans to Fishing as a Food Resource and Introducing Land-Based Aquaculture to Increase Local Food Security*. National Sea Grant College Program. 2021-2022. Co-PI. \$50,000
10. *Sea Grant – Vermont Lakes Partnership Program*. Vermont Agency of Natural Resources. 2021-2022. PI. \$49,536
11. *International Joint Commission Lake Champlain-Richelieu River Study Board Public Advisory Group co-chair*. 2021-2022. PI. \$19,695
12. *Green Infrastructure Collaborative*. Vermont Agency of Natural Resources. 2020-2021. PI. \$70,988
13. *International Joint Commission Lake Champlain-Richelieu River Study Board Public Advisory Group co-chair*. 2020-21. PI. \$15,787
14. *Understanding Public Awareness of Lake Issues and Engagement in Watershed Stewardship Across the Lake Champlain Basin*, Lake Champlain Basin Program/NEIWPCC. 2020-2022. Co-PI. \$118,500
15. *COVID-19 Rapid Response*, NOAA National Sea Grant Office 2020-2021. Co-PI. \$100,000

16. *Lake Champlain Sea Grant Omnibus Base Increase*. NOAA National Sea Grant College Program. 2020-2022. Co-PI. \$200,000
17. *Riparian Buffer Establishment Using Various Management Techniques*. Lake Champlain Basin Program and NEIWPC. 2020-2022. Grant co-author and graduate student advisor. \$19,995
18. *Lake Champlain Forest Watershed Management Partnership*. Natural Resource Conservation Service. 2019-2020 (extended to 2021). PI. \$40,000
19. *Quantifying the Response of Lake Carmi Water Quality to Aeration*. Vermont Agency of Natural Resources. 2020-2021. Collaborator. \$149,997
20. *International Joint Commission Lake Champlain-Richelieu River Study Board Public Advisory Group co-chair*. 2019-20. PI. \$41,258
21. *Green Infrastructure Collaborative*. Vermont Agency of Natural Resources. 2019-2020. PI. \$50,000
22. *Lake Champlain Sea Grant Visioning Project Supplement*. NOAA National Sea Grant Office. 2019-2020. Co-PI. \$40,000
23. *International Joint Commission Lake Champlain-Richelieu River Study Board Public Advisory Group co-chair*. 2018-2019. PI. \$38,234
24. *Lake Champlain Sea Grant Institute*. NOAA National Sea Grant Office. 2018-2022. Co-PI. \$2,400,000
25. *Lake Champlain Sea Grant Omnibus*. NOAA National Sea Grant Office. 2018-2022. Co-PI. \$1,600,000
26. *Green Infrastructure Collaborative*. Vermont Agency of Natural Resources. 2018-2019. PI. \$42,420
27. *Resilience Visioning and Development Projects Supplement*. NOAA National Sea Grant Office. 2017-2018. Co-PI. \$30,000
28. *Green Infrastructure Collaborative*. Vermont Agency of Natural Resources. 2017-2018. PI. \$33,400
29. *Preparing Communities to Build Resilience to Coastal Storms Through Watershed Groups*. Wisconsin Sea Grant. 2016-2017. PI. \$5,000
30. *Green Infrastructure Collaborative*. Vermont Agency of Natural Resources. 2016-2017. PI. \$39,492.
31. *Integrating Volunteer Nutrient Monitoring and Outreach with Extension across States*. North Central Region Water Network. 2015. \$26,480
32. *Water Action Volunteers Contract*. WI Department of Natural Resources. Federal FY2015. \$70,965.
33. *Lower Fox Tributary Volunteer Monitoring*. WI Department of Natural Resources Office of the Great Lakes Area of Concern Support Grant. 2014-2015. \$43,609
34. *Water Action Volunteers Contract*. WI Department of Natural Resources. Federal FY2014. \$70,965
35. *Building Public Awareness of Wisconsin's Streams and the Impacts of Land Use on Their Water Quality Through Self-Guided Tours of Long-term Volunteer Stream Monitoring Sites*. Wisconsin Environmental Education Board. 2013-2014. \$9,969
36. *Water Action Volunteers Contract*. WI Department of Natural Resources. Federal FY2013. \$70,965.
37. *Building Partnerships and Broadening Horizons: Expanding Volunteer Urban Road Salt Monitoring in Streams across the Upper Midwest*. Great Lakes Regional Water Program. 2012-2013. \$45,108
38. *Exploring Streams: A Stream Monitoring Curriculum Guide for Wisconsin Middle and High School Teachers and Students*. Wisconsin Department of Natural Resources Partnership Program. 2012-2013. \$4,900
39. *Water Action Volunteers Contract*. WI Department of Natural Resources. Federal FY2012. \$70,965.
40. *Water Action Volunteers Contract*. WI Department of Natural Resources. Federal FY2011. \$70,965.
41. *Volunteer Monitoring in Underserved Communities: Exploring Opportunities & Programs for Enhanced Watershed Management*. Great Lakes Regional Water Program. 2010-2011. \$27,487
42. *Teacher Training with BLM Riparian Zone Curriculum*. Bureau of Land Management Youth Initiative Incentive Funding. 2010-2011. \$25,000
43. *Moving the Extension Volunteer Monitoring Network to the Next Level*, USDA Cooperative State Research Education and Extension Section 406 National Water Resources Project. 2008-2012. \$380,000
44. *Building Capacity of E. coli Monitoring by Volunteer Networks: A Multi-State Effort – Continuation Project*. USDA Great Lakes Water Quality Team. 2008-2010. \$50,000
45. *Marsh Monitoring – A Pilot for Partnership with the Citizen-based Water Monitoring Network*. Wisconsin Department of Natural Resources Partnership Program. 2007-2008. \$5,000
46. *Volunteer Water Quality Monitoring National Facilitation Project*. USDA Cooperative State Research Education and Extension Section 406 National Facilitation Grant. 2004-2008. \$399,852

47. *A Pilot Project to Evaluate Citizen-based Monitoring Groups' Ability to Use a Family-Level Macroinvertebrate Index to Assess Stream Health*. Wisconsin Department of Natural Resources Partnership Program. 2005-2006. \$4,640
48. *Who's Who in Citizen-based Monitoring in Wisconsin*. Wisconsin's Comprehensive Wildlife Conservation Planning Grant. 2005. \$18,000
49. *Water for Everyone*. Ira and Ineva Reilly Baldwin Wisconsin Idea Endowment. University of Wisconsin. 2004-2006. \$50,000
50. *Building Capacity of E. coli Monitoring by Volunteer Networks: A Multi State Effort*. USDA Cooperative State Research Education and Extension Section 406 Extension Education Grant. 2003-2006. \$275,000
51. *Ellwood H. May Environmental Center Watershed Education Resource Center*. CD Besadny Natural Resources Foundation Conservation Grant. 2004. \$830
52. *Shawano-area Watershed Education Resource Center*. Wisconsin Environmental Education Board Grant. 2002-2003. \$4,437

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**Articles in Refereed Journals** (\*Indicates graduate student advisee; \*\*Indicates undergraduate)

1. Etter, S. B. Strobl, J. Seibert, I.H.J. van Meerveld, K. Neibert, and **K.F. Stepenuck**. In Press. (2023) Why Do People Participate in App-based Environment-Focused Citizen Science Projects? *Frontiers in Environmental Science, section Environmental Citizen Science*.
2. **Stepenuck, K.F.**, E.D. Roy, K. Helmer\*\*, and J. Sleight\*\*. 2022. Research Note: Recreational Boating, Sewage Production, and Potential Implications for Phosphorus Loading in Lake Champlain. *Journal of Outdoor Recreation and Tourism*. 39, 100551. <https://doi.org/10.1016/j.jort.2022.100551> Impact factor: 3.462
3. **Stepenuck, K.F.** and J. Carr. 2022. Early impacts on and program adaptations of North American volunteer water monitoring programs resulting from COVID-19. *J Am Water Resour Assoc*. <https://doi.org/10.1111/1752-1688.13043> Impact factor: 2.695
4. Sparacino, H.\*, **K. F. Stepenuck**, R. K. Gould, and S. E. Hurley. 2021. A Review of Reduced-Salt Snow and Ice Management Practices for Private Contractors. *Transportation Research Record*. <https://doi.org/10.1177/03611981211052538> Impact factor: 2.019
5. Raub, K\*., **K. Stepenuck**, and B. Panikkar. 2021 Exploring the Food-Energy-Water Nexus Approach to Enhance Coastal Community Resilience Planning. *Global Sustainability*. 4, e21, 1-13. <https://doi.org/10.1017/sus.2021.20> Impact factor: 5.40
6. Raub, K. B.\*, **K. F. Stepenuck**, B. Panikkar, J. C. Stephens. 2021. An analysis of resilience planning at the nexus of food, energy, water, and transportation in coastal US cities. *Sustainability*. 13(11), 6316. <https://doi.org/10.3390/su13116316> Impact factor: 3.251
7. Lowry, C. S. and **K. F. Stepenuck**. 2021. Is Citizen Science Dead? *Environmental Science & Technology*. <https://doi.org/10.1021/acs.est.0c07873> Impact factor: 11.36
8. Lowry, C. S., M. N. Fienen, D. M. Hall, and **K. F. Stepenuck**. 2019. Growing Pains of Crowdsourced Stream Stage Monitoring using Mobile Phones: The Development of CrowdHydrology. *Frontiers in Earth Science, section Geohazards and Georisks*. 7, 128. <https://doi.org/10.3389/feart.2019.00128> Impact factor: 3.498
9. **Stepenuck, K. F.**, and K. D. Genskow. 2019. Traits of Volunteer Water Monitoring Programs that Influence Natural Resource Management and Policy Impacts. *Society & Natural Resources*. 32(3), 275-291. <https://doi.org/10.1080/08941920.2018.1511022> Impact factor: 3.024
10. **Stepenuck, K. F.**, and K. D. Genskow. 2018. Characterizing the Breadth and Depth of Volunteer Water Monitoring Programs in the United States. *Environmental Management*. 61(1): 46-57. <https://doi.org/10.1007/s00267-017-0956-7> Impact factor: 3.266
11. McKinley, D. C., A. J. Miller-Rushing, H. L. Ballard, R. E. Bonney, H. Brown, S. C. Cook-Patten, D. M. Evans, R. A. French, J. K. Parrish, T.B. Phillips, S. F. Ryan, L. A. Shanley, J. L. Shirk, **K. F. Stepenuck**, J. F. Weltzin, A. Wiggins, O.D. Boyle, R. D. Briggs, S. F. Chapin III, D. A. Hewitt, P. W. Preuss, and M. A. Soukup. 2017. Citizen Science Can Improve Conservation Science, Natural Resource Management, and Environmental Protection. *Biological Conservation*. 208, 15-28. <https://doi.org/10.1016/j.biocon.2016.05.015> Impact factor; 7.497
12. McKinley, D. C., A. J. Miller-Rushing, H. L. Ballard, R. E. Bonney, H. Brown, D. M. Evans, R. A. French, J. K. Parrish, T.B. Phillips, S. F. Ryan, L. A. Shanley, J. L. Shirk, **K. F. Stepenuck**, J. F. Weltzin, A. Wiggins, O. D. Boyle, R. D. Briggs, S. F. Chapin III, D. A. Hewitt, P. W. Preuss, and M. A. Soukup. 2015. Investing in citizen

science can improve natural resource management and environmental protection. *Issues in Ecology*. Report Number 19. <https://www.esa.org/wp-content/uploads/2015/09/Issue19.pdf>

13. **Stepenuck, K.F.**, and L. Green. 2015. Individual and Community-Level Impacts of Volunteer Environmental Monitoring: A Synthesis of Peer-Reviewed Literature. *Ecology and Society*. 20(3):19. <http://www.ecologyandsociety.org/vol20/iss3/art19/> Impact factor: 4.403
14. **Stepenuck, K.F.** 2013. Improving Understanding of Outcomes and Credibility of Volunteer Environmental Monitoring Programs. Doctoral dissertation, The University of Wisconsin-Madison.
15. Akin, H., B. Shaw, **K.F., Stepenuck**, and E. Goers. 2013. Factors Associated with Ongoing Commitment to a Volunteer Stream Monitoring Program. *Journal of Extension*. 51(3). Impact factor: 0.36
16. **Stepenuck, K.**, L. Wolfson, B. Liukkonen, J. Iles, and T. Grant. 2011. Volunteer Monitoring of *E. coli* in Streams of the Upper Midwestern United States: A Comparison of Methods. *Environmental Monitoring and Assessment*. 174(1-4): 625-33. Epub 2010 May 8. Impact factor: 2.513
17. **Stepenuck, K.**, R. Crunkilton, M. Bozek, and L. Wang. 2008. Comparison of Macroinvertebrate-Derived Stream Quality Metrics between Snag and Riffle Habitats. *Journal of the American Water Resources Association*. 44(3): 670-678. Impact factor: 2.695
18. Overdeest, C., C. Huyck Orr, and **K. Stepenuck**. 2004. Volunteer Stream Monitoring and Local Participation in Natural Resource Issues. *Human Ecology Review*. 11(2): 177-185. Impact factor: 0.45
19. **Stepenuck, K.F.**, R.L. Crunkilton, L. Wang. 2002. Impacts of Urban Land Use on Macroinvertebrate Communities in Southeastern Wisconsin Streams. *Journal of the American Water Resources Association*. 38 (4): 1041-1052. Impact factor: 2.695

### Popular Articles

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1. **Stepenuck, K.** 2022. A “Pretty Good Lake:” Community Stewardship of Lake Champlain. *Water Resources IMPACT*. 24(2):10-13.

### Select Educational Publications and Products (\*Indicates student author)

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1. Lepak, J, M. Malchoff, and **K. Stepenuck** 2022. *Keepings Dogs Safe from Cyanobacteria Blooms*. Lake Champlain Sea Grant. Brochure. [https://www.uvm.edu/seagrant/sites/default/files/files/publication/Dog\\_Brochure\\_2022\\_07-15.pdf](https://www.uvm.edu/seagrant/sites/default/files/files/publication/Dog_Brochure_2022_07-15.pdf) (Significantly revised publication from original developed by Lepak, J. and revised in 2018 by M. Malchoff and K. Stepenuck).
2. O’Brien, J.M., **K. Stepenuck**, and A. Locket. April 2022. *Reminders to Ensure Your Safety* (while boating). Rack card, signs, and brochure.
3. **Stepenuck, K.** February 2022. Auger Settings Calculator. Fiverr. Online calculator. <https://www.uvm.edu/seagrant/reducing-use-deicing-salt-winter-maintenance-professionals>
4. **Stepenuck, K.** and V. Franke. March 2022. Private Contractor Salt Calibration. Educational video. <https://www.youtube.com/watch?v=7gFTmX6v6dA>
5. **Stepenuck, K.** and V. Franke. February 2022. Municipal Salt Truck Calibration. Educational video. <https://www.youtube.com/watch?v=C9sWM7WN95E>
6. **Stepenuck, K.**, A. Locket, and M. Mitchell. January 2022. Bridging Science and Recreation: Little Lake Lessons (6 additional). <https://www.uvm.edu/seagrant/causeway>
7. **Stepenuck, K.** August 2021. Deicing Product Application Rate Calculator. Fiverr. Online calculator. <https://www.uvm.edu/seagrant/deicing-product-application-rate-calculator>
8. **Stepenuck, K.**, A. Eaton, C. Blake, N. Trachte, and C. Wolfanger. July 2021. Bridging Science and Recreation: Little Lake Lessons. Educational kiosk and website. <https://www.uvm.edu/seagrant/causeway>
9. **Stepenuck, K.** April 2021. The Ins and Outs of Marina-based Boating on Lake Champlain. [https://www.uvm.edu/seagrant/sites/default/files/files/publication/Ins\\_Outs\\_Boating\\_Lake\\_Champlain\\_2021\\_04\\_05.pdf](https://www.uvm.edu/seagrant/sites/default/files/files/publication/Ins_Outs_Boating_Lake_Champlain_2021_04_05.pdf)
10. **Stepenuck, K.** and V. Franke. March 2021. Reducing Municipal Road Salt Use. Educational video. <https://www.uvm.edu/seagrant/reducing-use-deicing-salt-winter-maintenance-professionals>



11. **Stepenuck, K.**, K. Bates, N. Duarte, L. Fisher, S. Hagar, C. Hickey, L. Jenness, and L. Patterson. September 2020. Raise Your Lawnmower Blade to Keep Local Waters Clean. Kindea Labs. Educational video (short version). <http://vimeo.com/457067995>
12. **Stepenuck, K.**, M. Papineau, A. Champoux. September 2020. Understanding the Lake Champlain-Richelieu River basin and Flooding: Structural Mitigation Measures in the Richelieu River. Great Lakes Outreach Media. Educational video. <https://vimeo.com/460591581>
13. **Stepenuck, K.**, M. Papineau, A. Champoux. September 2020. Understanding the Lake Champlain-Richelieu River basin and Flooding: Storing Flood Waters. Great Lakes Outreach Media. Educational video. <https://vimeo.com/460592781>
14. **Stepenuck, K.**, M. Papineau, A. Champoux. September 2020. Understanding the Lake Champlain-Richelieu River basin and Flooding: Flooding Myths. Great Lakes Outreach Media. Educational video. <https://vimeo.com/460590195>
15. **Stepenuck, K.**, M. Papineau, A. Champoux. September 2020. Understanding the Lake Champlain-Richelieu River basin and Flooding: Cause and Impacts. Great Lakes Outreach Media. Educational video. <https://vimeo.com/460591931>
16. **Stepenuck, K.**, K. Bates, N. Duarte, L. Fisher, S. Hagar, C. Hickey, L. Jenness, and L. Patterson. August 2020. *Raise the Blade for Water Quality*. Kindea Labs. Educational video. <https://vimeo.com/438331280>
17. \*Brown, C., and **K. Stepenuck**. August 2020. *Green Infrastructure Walking Tour – Montpelier, VT*. Map and guide. <https://www.uvm.edu/seagrant/gi-bike-map>
18. **Stepenuck, K.**, A. Schroth, and O. Pierson. August 2020. *Lake Carmi Monitoring*. Rack card. Available at Franklin, VT, area businesses
19. Champoux, A., M. Papineau, and **K. Stepenuck**. July 2020. *The Chambly Canal*. International Joint Commission. Lake Champlain Richelieu River Flood Study. Fact sheet. <https://ijc.org/en/lcrr/fact-sheets>
20. **Stepenuck, K.**, J. O'Brien, and M. Malchoff. July 2020. *COVID-19 safety guidelines for marinas*. Signs, brochures and rack cards (English and French). <https://www.uvm.edu/seagrant/resources>
21. **Stepenuck, K.** June 2020 – present. *Mo: A Mower with a Purpose*. *Mo Mondays* blog. <http://go.uvm.edu/mo>
22. **Stepenuck, K.** and J. Carr. April – July 2020. *Volunteer Monitoring During COVID-19*. Website, webinar recordings and resources. <http://volunteermonitoring.org/covid>
23. **Stepenuck, K.** April 2020. *Guidance for Lake Champlain Marinas to Locate Cleaning Solutions and PPE*. Factsheet. <https://www.uvm.edu/seagrant/outreach/boating-marinas>
24. **Stepenuck, K.** M. Malchoff, and E. Leibensperger. April 2020. *Climate Buoys on Lake Champlain*. Rack card. <https://www.uvm.edu/seagrant/resources>
25. **Stepenuck, K.** April 2020. *National Directory of U.S. Volunteer Water Monitoring Programs*. Online map-based directory. <http://volunteermonitoring.org/programs>
26. Paul, R. and others authors. (M. Damours, M. Papineau, **K. Stepenuck**, and others, editors.) March 2020. *Lake Champlain-Richelieu River Basin: Understanding past floods to prepare for the future*. International Joint Commission Lake Champlain-Richelieu River Flood Study. <https://ijc.org/en/lcrr/lake-champlain-richelieu-river-basin-understanding-past-floods-prepare-future>
27. **Stepenuck, K.** September 2019. *Understanding Cyanobacteria Blooms and Keeping Your Dog Safe*. Public Service Announcement. Originally aired on WDEV. <https://www.uvm.edu/seagrant/resources>
28. Champoux, A., M. Papineau, **K. Stepenuck**, and others. June 2019. *Spring Flooding in the Basin*. International Joint Commission Lake Champlain Richelieu River Flood Study. <https://ijc.org/en/lcrr/fact-sheets>
29. Champoux, A., M. Papineau, **K. Stepenuck**, and others. June 2019. *Dams and Reservoirs in the Lake Champlain Richelieu River Basin*. International Joint Commission Lake Champlain Richelieu River Flood Study. <https://ijc.org/en/lcrr/fact-sheets>
30. Stevens, D., **K. Stepenuck**, and A. Eaton (Producers). April 2019. *Nebi: Abenaki Ways of Knowing Water*. Peregrine Productions. Educational film. <http://www.uvm.edu/seagrant/nebi>
31. **Stepenuck, K.** 2019. *Tips for Keeping Driveways and Sidewalks Safe While Using Less Salt*. Public Service Announcement. Originally aired on WDEV. <https://www.uvm.edu/seagrant/resources>
32. **Stepenuck, K.** 2019. (Revised from earlier version by R. Tharp.) *How to Use the VTANR Natural Resources Atlas*. Guidance document. <https://www.uvm.edu/seagrant/resources>

33. **Stepenuck, K.** 2018. *Understanding Phosphorus and Simple Actions Homeowners Can Take to Minimize its Movement to Surface Waters*. Public Service Announcement. Originally aired on WDEV.  
<https://www.uvm.edu/seagrant/resources>
34. **Stepenuck, K.** September 2018. *Rain Chains to Promote Stormwater Infiltration*. Signs. Displayed at Art Hop, Burlington, VT.
35. **Stepenuck, K.** 2018. *How Long Are the Roots?* Grass root length demonstration boxes and educational signs.
36. Yates, H. (**K. Stepenuck** and E. Schuett, editors). 2018. *Green Stormwater Infrastructure Bicycle Tour – St. Albans, Vermont*. University of Vermont and Vermont Department of Environmental Conservation. Map and guide. <https://www.uvm.edu/seagrant/gi-bike-map>
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43. **Stepenuck, K.**, M. Braun, L. Wight, and C. Parnapy. 2017. *Erosional Flood Resilience Scorecard for Communities of the Lamoille Watershed of Vermont*. Lake Champlain Sea Grant. Fact sheet.  
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48. Tarren, A. (**K. Stepenuck** and Elissa Schuett, editors). 2016. *Microplastics*. Lake Champlain Sea Grant. Rack card.  
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56. **Stepenuck, K.**, E. Herron, and L. Green. 2006. *Considerations for Planning Your Program's Data Management System*. National Water Resources Project Fact Sheet IX. University of Rhode Island and University of Wisconsin. <http://volunteermonitoring.org/guide-for-growing-programs>
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### White Papers and Formal Documents

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1. **Stepenuck, K.** January 2022. *Cyanobacteria Outreach and Research in the Lake Champlain Basin*.
2. Companion, M., A. Hildebrand, and **K. Stepenuck**. March 2021. *Literature Review/Comparative Analysis of Existing Certification and Training Programs Applicable to Clean Water Project Operations and Maintenance*.
3. **Stepenuck, K.** January 2020. *Raise the Blade Communications Plan*.
4. **Stepenuck, K.** and A. Eaton. 2019. *Watershed Alliance Longitudinal Evaluation Results Summary*.
5. Bowden, W., **Stepenuck, K.**, E. Schuett, M. Malchoff, A. Eaton, and L. Patterson. 2019. Lake Champlain Sea Grant, 2014-17 Site Review Briefing Book. Available at: <https://www.uvm.edu/seagrant/news/lake-champlain-sea-grant-2014-17-site-review>
6. Behl, M and J. Harrison. (**K. Stepenuck** and others, editors; and **K. Stepenuck** led development and implementation of two national Sea Grant Network surveys that informed the vision). 2018. *Reaching Outward and Looking Inward Building Resilience through the lens of Diversity, Equity, and Inclusion*. National Sea Grant Network. Available at: [https://seagrant.noaa.gov/Portals/1/DEI\\_Vision\\_Final.pdf](https://seagrant.noaa.gov/Portals/1/DEI_Vision_Final.pdf)
7. Bilotta, J.B., J. Schomberg, S. Jarbeau, M. Kennedy, T. Ruppert, J. Simpson, and **K. Stepenuck**. *Community Response to Flooding: A 10-year Vision for the National Sea Grant Network*. 2018. National Sea Grant Network. Available at: <https://seagrant.noaa.gov/Portals/1/Sea%20Grant%20Community%20Response%20to%20Flooding%20Vision.pdf>
8. Grant, K., M. Myers, et al. (**Stepenuck, K.** developed Logic models and contributed to plan development through a multi-day workshop and other meetings.) 2018. Citizen Science. Community-based Science Initiatives National Sea Grant Visioning Document. Available at: <https://seagrant.noaa.gov/Portals/1/Community%20Science%20-%20Network%20Vision%202018-2.pdf>
9. **Stepenuck, K.** 2018. *Lake George Marina Educational Outreach Interest Survey Results*.
10. Bowden, W., **K. Stepenuck**, E. Schuett, M. Malchoff, R. Tharp, A. Eaton, A. Tarren, and L. Patterson. 2017. *Lake Champlain Sea Grant Briefing Book: Institutional Status Proposal and Site Review*. Available at: <https://www.uvm.edu/seagrant/resources> (Search for "LCSG Briefing Book")

11. **Stepenuck, K.**, M. Malchoff and E. Schuett. 2017. *Lake Champlain Marina Survey Results*.
12. Bowden, W., **K. Stepenuck**, M. Malchoff, E. Schuett, R. Tharp, A. Eaton, A. Tarren, and L. Patterson. 2017. *2018-21 Lake Champlain Sea Grant Strategic Plan*. Available at: <https://www.uvm.edu/seagrant/resources>
13. **Stepenuck, K.** J. Schomberg, K. Bunting-Howarth, L. Kammin, H. Treizenberg, R. Sturtevant, D. Hart, and S. Whitney. 2016. *Proposed Priority Collaborative Efforts Across the Great Lakes Sea Grant Network 2016-2021*.
14. **Stepenuck, K.**, E. Lee, C. Hickey, K. Bates, L. Patterson, and L. Fisher. 2016. *Healthy Soils Survey Results*. Available at: [https://lawntolake.org/wp-content/uploads/2019/10/HealthySoilsSurveyInfographic\\_RevisedApril2018.pdf](https://lawntolake.org/wp-content/uploads/2019/10/HealthySoilsSurveyInfographic_RevisedApril2018.pdf)
15. **Stepenuck, K.**, 2016. *Survey Results of Clean Water Outreach in Vermont*. Available at: <https://www.uvm.edu/seagrant/resources>
16. **Stepenuck, K.** and M. Malchoff. 2016. *Barriers and Motivations to Town Implementation of Floodplain Ordinances (NY) or River Corridor Bylaws (VT) in the Lake Champlain Basin*. Summary of survey results.
17. **Stepenuck, K.** and M. Malchoff. 2016. *8-Month Post Leahy Summit Survey Results*.

#### Select Presentations (\*Indicates student author)

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1. **Stepenuck, K.**, R. Smith and K. Hartzell. May 2022. *Understanding Winter Maintenance Practices of Basin Communities*. Lake Champlain Research Conference. Burlington, VT.
2. **Stepenuck, K.**, J. Kolodinsky, M. Moser, and L. Fisher. May 2022. *Understanding Knowledge and Stewardship Actions of the Public Across the Lake Champlain Basin to Inform Future Outreach*. Lake Champlain Research Conference. Burlington, VT.
3. **Stepenuck, K.** *Public contributions to water quality protection in the Lake Champlain Basin*. Cells to Society seminar. College of Agriculture and Life Sciences. UVM. Online.
4. Lowry, C. and **K. Stepenuck**. December 2021. *Citizen Science in a Professional Science World: Is Citizen Science Dead?* AGU Fall Meeting 2021. New Orleans, LA.
5. Duarte, N., **K. Stepenuck**, and J. Eaton. November 2021. *Healthy Soils, Healthy Lawns*. Composting Association of Vermont Soil Builders webinar. <https://www.compostingvermont.org/soil-builders#Lawns>
6. UVM Salt Mitigation Task Force. October 2021. *Salt Mitigation Efforts at UVM*. Adirondack-Champlain Salt Summit. Lake George, NY.
7. **Stepenuck, K.** September 2021. *Cyanobacteria 101*. Burlington Parks Commission Meeting. Burlington. VT.
8. **Stepenuck, K.**, M. Mezacappo, and C. Blake. August 2021. *Benthic Macroinvertebrate Monitoring Station*. River Fest. North Branch Nature Center, Montpelier, VT.
9. **Stepenuck, K.** and A. Lochet. July 2021. *Understanding Lake Champlain*. Colchester Causeway, Colchester, VT.
10. **Stepenuck, K.** and J. Carr. April 2021. *Impacts of COVID on Volunteer Monitoring Programs*. National Monitoring Conference. Virtual.
11. **Stepenuck, K.** April 2021. *Understanding Sea Grant Community Science Programs and Their Impacts on Environmental Research and Decision-making*. National Monitoring Conference. Virtual.
12. **Stepenuck, K.** April 2021. *The Ins and Outs of Boating and Sewage Disposal at Marinas on Lake Champlain*. Annual Workshop of Marina Owners and Operators in the Lake Champlain basin.
13. **Stepenuck, K.** and R. Pierson. February 2021. *Comparing Motivations and Actions of Stream Monitors Around the World*. Catch the WAVE Webinar Series (Wisconsin). (Invited speakers)
14. **Stepenuck, K.** November 2020. *Understanding Recreational Boater Habits on Lake Champlain*. States Organizing for Boating Access (SOBA) Conference. (Invited speaker)
15. **Stepenuck, K.** October 2020. *Understanding Impacts of COVID-19 on Volunteer Monitoring*. UCONN College of Agriculture, Health and Natural Resources Seminar Series. Webinar. (Invited speaker)
16. **Stepenuck, K.** October 2020. *Pumpout Nav! Providing recreational boater access to pumpouts and a common monitoring database*. Great Lakes Clean Marina Coordinators meeting. Webinar.
17. Stromberg, J, **K. Stepenuck**, and M. Moir. June 2020. *Burlington Water Resources Issues Panel with Jesse Warren*. Webinar. (Invited speaker)
18. **Stepenuck, K.** May 2020. *Engaging in Citizen Science*. Chester (NH) Academy. Webinar. (Invited speaker)
19. **Stepenuck, K.** May 2020. *Salting Our Waters*. Lake Champlain Sea Grant Zoom a Scientist. Webinar.
20. **Stepenuck, K.** May 2020. *Lake Champlain, Water Quality, and You!* Bacon (CT) Academy. Webinar. (Invited speaker)

21. **Stepenuck, K.** April 2020. *Volunteer Recruitment and Retention Panel*. NOAA Citizen Science Workshop. Webinar.
22. **Stepenuck, K.,** and E. Herron. January 2020. *Engaging Volunteers for Long-term Monitoring Program Success*. Citizen Science Association webinar. (Invited speaker)
23. **Stepenuck, K.** and J. Lepak. September 2019. *Sea Grant Harmful Algal Bloom Network*. Great Lakes Sea Grant Networking Meeting. Sault Ste Marie, MI.
24. **Stepenuck, K.** May 2019. *Putting Lake Champlain on a Low Salt Diet*. Extension Professionals Improvement Conference. Woodstock, VT.
25. **Stepenuck, K.** March 2019. *State of the data quality: a review of volunteer monitoring data comparison studies through time*. In Data quality management plans: Lessons learned from the water quality monitoring community Special Session. Citizen Science Association Conference. Raleigh, NC. (Invited speaker)
26. **Stepenuck, K.,** K. Grant, A. Eberhardt, L. Chilton, M. Meyers. March 2019. *Citizen Science in Sea Grant: A Method for Community Engagement through Research*. Special Session. Citizen Science Association Conference. Raleigh, NC.
27. **Stepenuck, K.** and N. Duarte. March 2019. *Creating Healthy Soils Through Simple Yard Care Practices*. The Vermont Flower Show. Essex Junction, VT.
28. **Stepenuck, K.** January 2019. *Engaging the public in scientific research through water monitoring: motivations, outcomes and impacts on natural resource management and policy*. Idaho Water Quality Conference. Boise, Idaho. (Invited plenary speaker)
29. **Stepenuck, K.** January 2019. *The Madness behind the Methods: WAV Stream Flow Explained*. Water Action Volunteers Webinar Series. (Invited speaker)
30. **Stepenuck, K.** November 2018. *Development and Implementation of Citizen Science: the advantages and limits of the direct transfer of environmental knowledge for policy, industry, research and society*. Citizens Observatories for Natural Hazards and Water Management. Venice, Italy. (Invited panelist)
31. **Stepenuck, K.** October 2018. *The Role of Citizen Science in Natural Resource Management and Policy Decisions*. Environmental and Water Resources Engineering Seminar; Department of Civil, Structural, and Environmental Engineering, University at Buffalo, Buffalo, New York. (Invited speaker)
32. Sparacino, H.\* and **K. Stepenuck**. November 2018. Winter Road Maintenance: Identifying and Lowering Private Companies' Barriers to Adopting Best Management Practices. North American Lakes Management Society Symposium. Cincinnati, Ohio.
33. Sparacino, H.\* and **K. Stepenuck**. September 2018. Winter Maintenance Best Practices: How and Why Companies Use Low Salt Best Practices. Lake Champlain Basin Deicing Conference. Burlington, Vermont.
34. **Stepenuck, K.** September 2018. *Centering Us Around Citizen Science at Citizen Science in Sea Grant: A Method for Community Engagement through Research Workshop*. Sea Grant Week. Portland, Oregon.
35. **Stepenuck, K.** July 2018. *Citizen Science as an Education Tool: Student-based Volunteer Water Monitoring Programs Across the Nation*. NOAA Citizen Science Lunch and Learn Series Webinar. (Invited panelist)
36. Sparacino, H.\* and **K. Stepenuck**. April 2018. Winter Maintenance Best Practices: Identifying and Lowering Contractors' Barriers to Adoption. UVM Student Research Conference. Burlington, Vermont.
37. **Stepenuck, K.** March 2018. *Citizen Science Overview*. Sea Grant Network Citizen Science Visioning Workshop.
38. **Stepenuck, K.,** K. Coleman, K. Bates, K. Crowningshield, L. Fisher, C. Hickey, E. Lee, L. Patterson, P. Sagai, J. Wallace, and N. Durate. January 2018. *Exploring Lawn Care Practices of Homeowners to Promote Behavior Changes and Reduce Runoff*. Lake Champlain Research Conference. Burlington, VT.
39. **Stepenuck, K.** January 2018. *Citizen Science: Making a Difference for People and Communities*. Citizen Science at the University of Minnesota webinar. (Invited speaker)
40. **Stepenuck, K.** December 2017. *Volunteer Water Monitoring: Influencing Policies and Natural Resource Management in the United States*. Towards a Columbia Basin Water Monitoring Framework. Invermere, British Columbia, Canada. (Invited speaker)
41. **Stepenuck, K.** November 2017. Pancakes with Professionals. Rubenstein Stewards Event. University of Vermont, Burlington, VT. (Invited panelist)
42. **Stepenuck, K.,** A. Holland, R. Pfeiffer, and L. Wight. November 2017. *Protecting River Corridors: Engaging at the Local Level panel discussion*. Watersheds United Vermont Fall Meeting. Charlotte, VT. (Invited speaker)
43. **Stepenuck, K.** October 2017. *The Power of the People*. Wake Robin Inquire Lecture Series. Shelburne, VT. (Invited speaker)

44. **Stepenuck, K.** October 2017. *Citizen Science, Making a World of Difference*. Iowa Citizen Science Workshop. Iowa City, IA. (Invited keynote)
45. **Stepenuck, K.** September 2017. *Soil Testing Tips and Tricks for Homeowners*. Stormwater-Friendly Lawn Care Workshop. Essex, VT. (Invited speaker)
46. **Stepenuck, K.**, C. Williams, M. Morales-Williams, E. Marsden, J. Stockwell, N. Mathews. September 2017. *R/V Melosira for Research and Teaching – Vermont Legislators Trip Aboard the Melosira*. Burlington, VT.
47. Braun, M. and **K. Stepenuck**. July 2017. *The Importance of Protecting River Corridors*. Duxbury Planning Commission. Duxbury, VT.
48. **Stepenuck, K.** May 2017. *Focused on Quality – In the Water and the Data*. Citizen Science Association Data Quality Workshop. St. Paul, MN. (Invited speaker)
49. **Stepenuck, K.** May 2017. *Big Things Start Small: Tips for Everyday People to Help Protect Lakes*. UVM Extension EPIC Conference. Stowe, VT.
50. **Stepenuck, K.** April 2017. *River Corridor Planning Resources*. Making River Corridors Work for You Workshop. Enosburg Fall, VT.
51. **Stepenuck, K.** March 2017. *ANR Atlas Tools for River Corridor Assessment*. Making River Corridors Work for You Webinar.
52. **Stepenuck, K.** March 2017. *Understanding Impacts of Volunteer Water Monitoring Programs on Natural Resource Policy and Management*. Michigan State University Ecology, Evolutionary Biology and Behavior Program Seminar. Lansing, MI. (Invited speaker)
53. **Stepenuck, K.** January 2017. *Community Outreach Focused on River Corridor Protection*. Rubenstein School Spring Seminar Series, From Research to Practice & Back. Burlington, VT. (Invited panelist)
54. **Stepenuck, K.** November 2016. *Can Volunteers Really Make a Difference?* The 12th Annual Conference of the Michigan Clean Water Corps. Tustin, MI. (Invited keynote)
55. **Stepenuck, K.** and R. Tharp. October 2016. *Lake Champlain Sea Grant Outreach Programming and Green Infrastructure Collaborative*. Vermont Agency of Natural Resources Coffee Talk. Montpelier, VT. (Invited presenter)
56. **Stepenuck, K.** and T. Phillips. August 2016. *Exploring the Worlds of Citizen Science and Volunteer Monitoring*. National Water Quality Monitoring Council Webinar. (Invited presenter)
57. **Stepenuck, K.** June 2016. *Understanding Outcomes for Natural Resource Policy and Management in U.S. Citizen Observatories*. Citizens Observatories for Water Management. Venice, Italy. (Invited plenary speaker)
58. **Stepenuck, K.** June 2016. *Outcomes of Volunteer Monitoring Programs on Natural Resources Policy and Management*. Vermont Lakes Seminar. Castleton, VT. (Invited keynote)
59. **Stepenuck, K.** May 2016. *Is the Whole Greater than the Sum of its Parts? Assessing Costs and Benefits of a Volunteer Monitoring Program*. 10<sup>th</sup> National Monitoring Conference. Tampa, FL.
60. **Stepenuck, K.** March 2016. *Does Volunteer Monitoring Really Make a Difference?* Wisconsin Lakes Convention. Stevens Point, WI. (Invited keynote)
61. **Stepenuck, K.** September 2015. *Leveling the Playing Field: The Role of Citizen-generated Water Level Data in Natural Resources Management Decision-making*. Open Science and Innovation: Of the People, For the People, By the People. White House Citizen Science Forum. Washington DC. (Invited speaker)
62. **Stepenuck, K.** September 2015. *The Key Role of States in Citizen Science*. National Advisory Council for Environmental Policy and Technology. EPA Headquarters, Washington DC. (Invited speaker)
63. **Stepenuck, K.** May 2015. *Understanding Impacts of Volunteer Water Monitoring Programs on Natural Resource Policy and Management*. Society for Freshwater Science. Milwaukee, WI.
64. **Stepenuck, K.** December 2014. *Costs, Benefits and Coordination: The Wisconsin Experience*. Chesapeake Bay Innovative Water Quality Monitoring Workshop. Annapolis, MD (via webinar). (Invited speaker)
65. Glynn, P. and **K. Stepenuck**. September 2014. *Citizen Science: Empower the Public*. American Water Resources Association Webinar Series. (Invited speaker)
66. **Stepenuck, K.** May 2014. *Improving Understanding of Impacts of Volunteer Water Monitoring Programs on Natural Resource Policy and Management*. 9th National Monitoring Conference. Cincinnati, OH.
67. Corsi, S. and **K. Stepenuck**. September 2013. *Winter Road Management: Go Easy on the Salt*. Wisconsin Water Star 2013 Municipal Water Resource Management Webinar Series. (Invited speaker)
68. **Stepenuck, K.** July 2013. *Outcomes of Water Action Volunteers Stream Monitoring Program*. Connecting social and ecological systems through public participation in scientific research (PPSR): Understand conservation and

- community outcomes Focus Group at the 26<sup>th</sup> International Congress for Conservation Biology. Baltimore, MD. (Invited speaker)
69. **Stepenuck, K.** August 2012. *Understanding the Connection between Participant Motivations and Program Outcomes for Most Effective Program Design*. Public Participation in Scientific Research Community Forum. Portland, OR. (Invited speaker)
  70. **Stepenuck, K.,** C. Anderson, S. Corsi, and E. Grazia. May 2012. *Volunteer Road Salt Monitoring: Assessing Impacts of Winter Safety Measures on Stream Quality in Wisconsin*. 8th National Monitoring Conference. Portland, OR.
  71. **Stepenuck, K.,** B. Deutsch, S. Ruiz-Cordova, T. Muenz, A. Hughes, S. Patrick, and E. Conway. September 2011. *How to Be Outstanding in the Stream: Exploring Methods and Approaches for Volunteer Stream Monitoring*. Southern Regional Water Conference. Athens, GA.
  72. Green, L., E. Herron, K. Stepenuck, F. Finley, and A. Sigler. February 2010. *Community-based Water Monitoring Programs: Things to Consider before Getting Your Feet Wet*. 2010 Land and Sea Grant National Water Conference. Hilton Head, SC. (Workshop)
  73. **Stepenuck, K.,** L. Green, E. Herron, F. Finley, K. Genskow, and A. Gold. October 2009. *Supporting Volunteer Water Quality Monitoring Nationwide*. North American Lake Management Society. Hartford, CT.
  74. **Stepenuck, K.,** J. Iles, and L. Wolfson. May 2009. *Citizens Monitoring Bacteria Workshop*. Ohio Watershed Academy. Delaware, OH.
  75. Herron, E., **K. Stepenuck,** K. Genskow, and F. Finley. February 2009. *Making the Most of Your Monitoring Data: Strategies for Effective Outreach in Your Local Community*. (Workshop) Cooperative State Research Education and Extension Service National Water Conference. St. Louis, MO.
  76. **Stepenuck, K.** February 2009. *Monitoring Lakes, Streams and Ponds*. Southeast Wisconsin Woodland Owners Conference. Waukesha, WI.
  77. **Stepenuck, K.,** L. Green, and E. Herron. September 2008. *Utilizing Online Databases to Share And Understand Volunteer Water Monitoring Data*. Alliance of Natural Resource Outreach and Service Programs. New Braunfels, TX.
  78. **Stepenuck, K.,** L. Green, and E. Herron. May 2008. *Becoming Outstanding in the Field: Resources to Help Volunteer Monitoring Programs Get Up and Running*. Association of Natural Resources Extension Professionals Conference. Madison, WI.
  79. **Stepenuck, K.** April 2008. *Data to Effect Change: Volunteer Monitoring Makes a Difference*. Clean Rivers, Clean Lakes V. Milwaukee, WI.
  80. **Stepenuck, K.,** E. O'Brien, L. Crighton, J. Iles, B. Liukkonen, and L. Wolfson. January 2007. *Volunteer Monitoring of E. coli in Upper Midwest Streams: A Comparison of Methods and Preferences*. Cooperative State Research Education and Extension Service National Water Conference. Savannah, GA.
  81. **Stepenuck, K.** and D. Ledin. November 2006. *Water for Everyone*. Wisconsin Association of Environmental Educators Conference. Manitowoc, WI.
  82. **Stepenuck, K.,** E. O'Brien, L. Crighton, J. Iles, B. Liukkonen, and L. Wolfson. May 2006. *Volunteer Monitoring of E. coli in Upper Midwest Streams: A Comparison of Methods and Preferences*. National Water Quality Monitoring Conference. San Diego, CA.
  83. **Stepenuck, K.** and J. Williamson. April 2006. *Aquatic Insects: They Come from Beneath*. Wisconsin Lakes Convention. Green Bay, WI.
  84. **Stepenuck, K.,** L. Green, and E. Herron. February 2005. *Obtaining Quality Data*. Cooperative State Research Education and Extension Service National Water Conference. LaJolla, CA.
  85. **Stepenuck, K.** January 2005. *Volunteer Monitoring: A National Perspective*. (Invited presenter) 5<sup>th</sup> Annual Iowa Water Monitoring Conference. Ames, IA.
  86. **Stepenuck, K.,** L. Green, E. Herron, A. Gold, K. Addy, and R. Shepard. November 2004. *Partnering with Extension for Volunteer Water Quality Monitoring*. Citizen Environmental Monitoring in Appalachia. Bristol, VA. (Invited speaker)
  87. **Stepenuck, K.,** C. Overdevest, and C. Huyck-Orr. May 2004. *Volunteer Stream Monitoring and Local Participation in Natural Resource Issues*. National Water Quality Monitoring Conference. Chattanooga, TN.
  88. **Stepenuck, K.** April 2004. *Water Action Volunteers' Citizen Stream Monitoring Program*. Wisconsin Lakes Convention. Green Bay, WI.



89. **Stepenuck, K.** February 2004. *Volunteer Stream Monitoring: Benefits and How You Can Participate*. Wisconsin Association of Land Conservation Employees. Milwaukee, WI.
90. **Stepenuck, K., E. Herron, L. Green, and K. Addy.** July 2003. *Obtaining and Using Volunteer-Collected Information*. Pacific Northwest Voluntary Water Quality Monitoring Workshop. Ketchum, ID.
91. **Stepenuck, K.** March 2002. *Volunteer Stream Monitoring in Wisconsin*. Northern Landscapes: Connecting People with Nature. Cable, WI.
92. **Stepenuck, K.** March 2001. *Friends of the Branch River Volunteer Stream Monitoring Data Summary*. Friends of the Branch River Annual Meeting. Whitelaw, WI.

### Recent Training, Workshop, and Conference Planning/Coordination/Facilitation/Instruction

(\* Indicates continuing education credits offered.)

1. Coordinated *Sea Grant Scholars professional development immersion program*. August 22-26, 2022. VT, NY.
2. Hosted “*Can We Talk*” diversity professional development opportunity for professionals in the Lake Champlain Basin. June 17-24, 2022
3. Coordinated “*Abenaki Water Perspectives*” professional development opportunity for watershed outreach professionals in Vermont. June 17, 2022
4. Hosted Community-based Social Marketing Workshop for watershed outreach and other environmental professionals. June 7, 8, and 9, 2022.
5. Co-coordinated *Lake Champlain Basin Research Conference*. Burlington, VT, May 2022.
6. Co-coordinated *Cultural Community Fishing Education workshop (for Somali, Arabic and Bosnian language speakers)*. May 15, 2022. Burlington, VT.
7. Co-coordinated *Cultural Community Fishing Education workshop (for Nepali language speakers)*. April 2, 2022. Burlington, VT.
8. \*Instructed *NR Atlas course for Real Estate Professionals*. March 15, 2022. Online.
9. Hosted *Water Words That Work*. March 8, 10 and 17, 2022. Online.
10. \*Instructed *NR Atlas course for Real Estate Professionals*. January 20, 2022. Online.
11. Hosted *Smart Salting for Parking Lots and Sidewalks training*. October 25, 2021. Virtual.
12. Co-coordinated *Adirondack-Champlain Salt Summit*. October 14, 2021. Lake George, NY.
13. Co-coordinated *Cultural Community Fishing Education workshop (for Nepali and Arabic language speakers)*. August 28, 2021. Burlington, VT.
14. Co-coordinated *Sea Grant Scholars professional development immersion program*. August 23-27, 2021. VT, NY and NH.
15. Co-coordinated *Community Science Catalyst: Increasing diversity and sharing resources and needs of water resources-related community science programs*. May 26, 2021. Citizen Science Association CitSci Virtual.
16. Co-coordinated *Annual Lake Champlain Marina Workshop*. April 2, 2021.
17. Coordinated logistics and planning for *Speak Up: Bias Awareness and Intervention Workshop*. February 1, 2021.
18. Co-facilitated Knauss Fellows Speed Networking. January 7, 2021.
19. Led planning team for English language *International Joint Commission Lake Champlain-Richelieu River Flood Study public meeting*. September 30, 2020 (7:00 PM).
20. Led planning team for English language *International Joint Commission Lake Champlain-Richelieu River Flood Study public meeting*. September 30, 2020 (10:00 AM).
21. Co-facilitated *Potential Presence of and Risks from COVID-19 in Water*. Webinar. Recording and resources posted at: <http://volunteermonitoring.org/covid>
22. Led planning team for French language *International Joint Commission Lake Champlain-Richelieu River Flood Study public meeting*. September 29, 2020 (7:00 PM).
23. Led planning team for French language *International Joint Commission Lake Champlain-Richelieu River Flood Study public meeting*. September 29, 2020 (10:00 AM).
24. Coordinated *Science Storytelling in the Digital Age*. August 10, 2020. Webinar. Recording and resources available at: <http://volunteermonitoring.org/covid>
25. Co-facilitated *Panel Discussion on Volunteer Trainings During COVID*. July 8, 2020. Webinar. Recording and resources available at: <http://volunteermonitoring.org/covid>
26. Co-hosted [Volunteer Field Work Town Hall](#). Citizen Science Association. Webinar. 95 participants. June 3, 2020.



27. Co-coordinated *Sea Grant Community Science Network Meeting*. May 14, 2020. Webinar.
28. Co-led and presented at *Citizen-based Aquatic Field Sampling in the Time of COVID*. April 22, 2020. Webinar. Recording and resources available at: <http://volunteermmonitoring.org/covid>
29. \*Instructed *ANR Atlas course for Real Estate Professionals*. March 3, 2020. Burlington, VT.
30. Co-coordinated *Vermont Citizen Science Summit*. December 12, 2019. Montpelier, VT.
31. \*Instructed *ANR Atlas course for Real Estate Professionals*. December 4, 2019. Newport, VT.
32. Local host committee for *North American Lake Management Society Symposium*. November 10-15, 2019. Burlington. VT.
33. \*Instructed *ANR Atlas course for Real Estate Professionals*. November 6, 2019. Burlington, VT.
34. Co-coordinated *Burlington Area Road Salt Education Workshop*. October 24, 2019. South Burlington, VT.
35. \*Planning team member and co-hosted *Adirondack-Champlain Regional Salt Summit*. October 3, 2019. Lake Placid, NY.
36. Established and hosted monthly *Lake Champlain Sea Grant Research Brown Bag Seminars/Webinars*. September 2019 – May 2020. Burlington, VT and online.
37. Hosted and co-coordinated *Sea Grant Academy Week #2*. September 23-27, 2019. Burlington, VT.
38. Planning team member for the *Great Lakes Networking Meeting*. September 17-19, 2019. Sault Ste. Marie, MI.
39. Collaborated to plan *Lake Champlain Richelieu River Flood Study Public Outreach* meeting. August 14, 2019, Burlington, VT.
40. Collaborated to plan and hosted *Lake Champlain Richelieu River Flood Study Public Outreach* meeting. August 13, 2019, Westport, VT.
41. Collaborated to plan and hosted *Lake Champlain Richelieu River Flood Study Public Outreach* meeting. August 12, 2019. Shoreham, VT.
42. Co-led *Abenaki Summer Happenings Aboard the R/V Melosira*. July 30, 2019. Burlington, VT.
43. Planning team member for *Septic Workshops for Homeowners, Real Estate Professionals and Designers*. May 9, 2019. Burlington, VT.
44. Coordinated *Nebi: Abenaki Ways of Knowing Water* Earth Day film release. April 22, 2019.
45. Planning team member for the *Leahy Summit for Lake Champlain*. April 5, 2019.
46. Co-coordinated the *Annual Meeting of Marina Owners and Operators*. March 29, 2019. Burlington, VT.
47. Co-coordinated *Lake Champlain Sea Grant Site Review*. March 19-21, 2019. Burlington, VT.
48. Coordinated and co-hosted NOAA Office for Coastal Management's *Planning and Facilitating Collaborative Meetings*. December 4 and 5, 2018. Essex Junction, VT.
49. Planning team member for *Watersheds United Vermont and Lake Champlain Basin Program Fall Meeting*. November 13, 2018. Burlington, VT.
50. Planning team member and co-host for *International Joint Commission Lake Champlain-Richelieu River Flood Study public meeting*. November 9, 2018. Burlington, VT.
51. Planning team member and co-host for *International Joint Commission Lake Champlain-Richelieu River Flood Study public meeting*. November 8, 2018. Whallonsburg, NY.
52. Planning team member for *International Joint Commission Lake Champlain-Richelieu River Flood Study public meeting*. November 7, 2018. St. Jean sur Richelieu, Quebec.
53. \*Coordinated *Lake Champlain Basin Deicing Conference*. October 10, 2018. Burlington, VT.
54. Co-coordinated the 5 Gyres' Institute *Plastic Beach Protocol* held in conjunction with the International Coastal Clean-up, coordinated by the Rozalia Project. September 15, 2018. North Beach, Burlington, VT
55. Co-coordinated and instructed *Lake Champlain Live* trip for Lewis Creek Association and local decision makers aboard the R/V *Melosira*. September 12, 2018. Burlington, VT.
56. Table educator for *Raise the Blade and Rain Chains to Reduce Stormwater Runoff* at Art Hop. September 7 and 8, 2018. Burlington, VT.
57. Co-coordinated *Lake Champlain Live* public trip aboard the R/V *Melosira*. August 22, 2018. Burlington, VT.
58. Co-coordinated *Lake Champlain Live* public trip aboard the R/V *Melosira*. August 17, 2018. Burlington, VT.
59. Co-coordinated and instructed *Lake Champlain Live* and *Stories of the Lake* trip with Wake Robin residents aboard the R/V *Melosira*. August 7, 2018. Burlington, VT.
60. Co-coordinated and instructed *Lake Champlain Live* trip with Vermont Migrant Education Program aboard the R/V *Melosira*. August 6, 2018. Burlington, VT.
61. Co-coordinator of *Lake Champlain Live* public trip aboard the R/V *Melosira*. August 6, 2018. Burlington, VT.

62. Co-coordinated and instructed *Stories of Lake Champlain* public trip aboard the R/V *Melosira*. August 6, 2018. Burlington, VT.
63. Co-coordinated and instructed *Lake Champlain Live* Abenaki Summer Happenings group trip aboard the R/V *Melosira*. August 1, 2018. Burlington, VT.
64. Co-coordinated *Lake Champlain Live* public trip aboard the R/V *Melosira*. August 1, 2018. Burlington, VT.
65. Co-coordinated and instructed *Lake Champlain Live* Kamehameha Schools (Hawaii) Sustainability course participants aboard the R/V *Melosira*. July 31, 2018. Burlington, VT.
66. Co-coordinated *Stories of Lake Champlain* public trip aboard the R/V *Melosira*. July 31, 2018. Burlington, VT.
67. Co-coordinated *Lake Champlain Live* public trip aboard the R/V *Melosira*. July 24, 2018. Burlington, VT.
68. Co-coordinated *Stories of Lake Champlain* public trip aboard the R/V *Melosira*. July 24, 2018. Burlington, VT.
69. Co-coordinated and instructed *Lake Champlain Live* public trip aboard the R/V *Melosira*. July 18, 2018. Burlington, VT.
70. Co-coordinated and instructed *Stories of Lake Champlain* public trip aboard the R/V *Melosira*. July 12, 2018. Burlington, VT.
71. Planning team member for *Restore the Bay: Take a Stake in Our Lake*. June 7, 2018. St. Albans, VT.
72. Coordinated and hosted NOAA Office for Coastal Management's *Introduction to Planning and Facilitating Effective Meetings*. April 12, 2018. South Burlington, VT.
73. Co-coordinator of *Annual Lake Champlain Marina Owner and Operators Workshop*. March 30, 2018. Burlington, VT.
74. Planning team member for *Sea Grant Network Citizen Science Visioning Workshop*. March 20 and 21, 2018. Santa Barbara, CA.
75. Planning team member for *Sea Grant Network Community Response to Flooding Visioning Workshop*. February 28 – March 1, 2018. Miami, FL.
76. Planning team member for *Lake Champlain Research Conference*. January 9, 2018. Burlington, VT.
77. Co-coordinated and educated *Stream Table Demonstration*. November 27, 2017. Mosaic Center. University of Vermont, Burlington, VT.
78. Coordinated *Volunteer Recruitment and Retention*, the inaugural webinar of the Citizen Science Association. November 14, 2017.
79. Co-coordinated and instructed *River Corridors Workshop and Stream Table Demonstration* at Waterbury. October 30, 2017. Waterbury, VT.
80. \*Co-coordinated *Lake Champlain Basin Deicing Conference*. September 29, 2017. Burlington, VT.
81. Table educator for *Raise the Blade Low Input Lawn Care Project*. Bikes and Bites. September 14, 2017. South Burlington, VT.
82. Co-coordinated and instructed *Lake Champlain Live* trip for Green Mountain Water Environment Association aboard the R/V *Melosira*. September 7, 2017. Burlington, VT.
83. Co-coordinated and instructed *Lake Champlain Live* public trip aboard the R/V *Melosira*. August 17, 2017. Burlington, VT.
84. Co-coordinated and presented at *Native Plants to Protect Shorelines and Promote Pollinators* workshop. July 26, 2017. Lake Carmi, VT.
85. Co-coordinated and presented at *Native Plants to Protect Shorelines and Promote Pollinators* workshop. July 18, 2017. Castleton, VT.
86. Co-coordinated the *Lake Champlain Sea Grant Institutional Status Site Review*. July 11-12, 2017. Burlington, VT.
87. Instructed *Stream Table Demonstration* at Bakersfield 4<sup>th</sup> of July Event. July 1, 2017. Bakersfield, VT.
88. Coordinated *McNeil Power Plant* public tour as part of Get to Know Our Watershed Tour Series. August 22, 2017. Burlington, VT.
89. Coordinated *Winooski Hydro Plant* public tour as part of Get to Know Our Watershed Tour Series. August 22, 2017. Burlington, VT.
90. Co-coordinated and instructed *Stories of the Lake* public trip aboard the R/V *Melosira*. July 17, 2017. Burlington, VT.
91. Planning team member for *Take a Stake in Our Lake*. June 1, 2017. St. Albans, VT.
92. Co-coordinated *Volunteer Water Monitoring National Network Meeting*. May 18, 2017. St. Paul, MN.
93. Co-coordinated *Making River Corridors Work for You Workshop*. April 18, 2017. Enosburg Fall, VT.

94. Co-coordinated *Annual Lake Champlain Marina Owner and Operators Workshop*. March 31, 2017. Burlington, VT.
95. Coordinated *Making River Corridors Work for You Webinar*. March 29, 2017.
96. Co-coordinated *Law and Policy for Ecological Restoration: The Example of Lake Champlain. A Conference for Visiting Chinese Judges and Scholars, and Vermont Law School Students*. March 3 and 4, 2017. Burlington, VT.
97. Co-coordinated *Making River Corridors Work for You Workshop*. January 18, 2017. Morrisville, VT.
98. Co-coordinated and presented *Sea Grant Fellowships Session*. December 14, 2016.
99. Co-coordinated and presented *Sea Grant Fellowships Webinar*. November 22, 2016.
100. Coordinated *Community-based Social Marketing Workshop*. September 29 and 30, 2016. Burlington, VT.
101. Co-coordinated *Fisheries Leadership Institute*. August 29 and 30, 2016. Crown Point, NY.
102. Coordinated *Aiken Center Green Roof* public tour as part of Get to Know Our Watershed Tour Series. August 2016. Burlington, VT.
103. Coordinated *Winooski Hydro Plant* public tour as part of Get to Know Our Watershed Tour Series. August 25, 2016. Burlington, VT.
104. Coordinated *McNeil Power Plant* public tour as part of Get to Know Our Watershed Tour Series. August 18, 2016. Burlington, VT.
105. Coordinated *Green Stormwater Infrastructure Bicycle Tour* public tour as part of Get to Know Our Watershed Tour Series. August 4, 2016. Burlington, VT.
106. Coordinated *Burlington Drinking Water Plant* public tour as part of Get to Know Our Watershed Tour Series. July 28, 2016 Burlington, VT.
107. Instructed *Lake Champlain Live* aboard the R/V *Melosira*. ECHO Summer Teacher Institute. July 26, 2016. Burlington, VT.
108. Coordinated *Burlington Wastewater Treatment Plant* public tour as part of Get to Know Our Watershed Tour Series. July 14, 2016 Burlington, VT.
109. Coordinator of *Citizen Science and Volunteer Monitoring as a Tool for Addressing Community Resilience Workshop* at the National Association of Natural Resource Extension Professionals Conference. June 29, 2016. Burlington, VT.
110. Co-coordinator of *Making River Corridors Work for You Workshop*. June 14, 2016. Rutland, VT.

## Media

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1. Fisher, A. September 2022. Why do Vermont lakes and ponds turn green and stinky? What happens under the surface. <https://eu.burlingtonfreepress.com/story/news/2022/09/22/increase-cyanobacteria-blooms-vermont-lakes-due-warmer-climates/69494479007/>
2. Stoddard, F., K. Stepenuck and V. Taylor. July 26, 2022. Lake Champlain: Mercury in Fish Study. Across the Fence, WCAX. TV segment. <https://www.youtube.com/watch?v=Jtp65JLd3oY>
3. Stepenuck, K. July 14, 2022. Researchers seek Lake Champlain Angler Help. The Charlotte News. Print media. <https://www.charlottenewsvt.org/2022/07/14/researchers-seek-lake-champlain-angler-help/>
4. Geiss, K, June 6, 2022. Chittenden County Program lets you adopt a storm drain. WCAX. TV news story. <https://www.wcax.com/2022/06/06/chittenden-county-program-lets-you-adopt-storm-drain/>
5. Avalon-Styles, A. December 16, 2021. Salt shrinkage saves streams, cuts costs: SoBu uses technology to lessen road salt. The Other Paper. Print media. [https://www.vtcng.com/otherpapersbvt/news/municipal\\_matters/salt-shrinkage-saves-streams-cuts-costs/article\\_7a3de53e-5e82-11ec-95b1-c70d1cf478ff.html](https://www.vtcng.com/otherpapersbvt/news/municipal_matters/salt-shrinkage-saves-streams-cuts-costs/article_7a3de53e-5e82-11ec-95b1-c70d1cf478ff.html)
6. Stoddard, F., G. Deziel, K. Stepenuck, M. Ayala-Perez, and C. Blake. December 6, 2021 (original air date). Across the Fence, WCAX. TV segment. [https://www.youtube.com/watch?v=b96IT\\_w4wEc](https://www.youtube.com/watch?v=b96IT_w4wEc)
7. Benninghoff, G. August 1, 2021. A long history of building for cold weather may have consequences as the climate warms. Vermont Digger. Print media. <https://vtdigger.org/2021/08/01/a-long-history-of-building-for-cold-weather-may-have-consequences-as-the-climate-warms/>
8. Stepenuck, K. January 22, 2021. Keeping water healthy and roads safe in winter. The Other Paper, Shelburne News, Charlotte Observer. Print media. [https://www.vtcng.com/otherpapersbvt/opinion/opinion\\_columns/keeping-water-healthy-and-roads-safe-in-winter/article\\_7d9e2b1e-5c1f-11eb-9812-87a1663adc5b.html](https://www.vtcng.com/otherpapersbvt/opinion/opinion_columns/keeping-water-healthy-and-roads-safe-in-winter/article_7d9e2b1e-5c1f-11eb-9812-87a1663adc5b.html)
9. Stepenuck, K. 2020. Lakeline: A publication of the North American Lake Management Society. 40(3). Cover photo. <https://www.nalms.org/lakeline-magazine/>

10. LCMM, LCSG, and UVM Extension staff. October 22, 2020. LCMM summer programs were a success. Addison Independent. Print media. <https://addisonindependent.com/news/lcmm-summer-programs-were-success>
11. Gram, D., and **K. Stepenuck**. WDEV. October 8, 2020. *UVM CALS in the Community: Lake Champlain Sea Grant Program*. Dave Gram Show. Radio show. <https://www.uvm.edu/cals/seeds-society-podcast>
12. Bradley, P. October 4, 2020. *Study Board Holds Meetings on Lake Champlain Flood Mitigation Options*. WAMC Public Radio. Audio and online transcript. <https://www.wamc.org/post/study-board-holds-meetings-lake-champlain-flood-mitigation-options>
13. White, J. and L. Halvorsen. October 1, 2020. *UVM, SUNY-Plattsburgh receive national recognition, additional funding for Lake Champlain Sea Grant Institute*. Vermont Digger. Print media. [https://vtdigger.org/press\\_release/uvm-suny-plattsburgh-receive-national-recognition-additional-funding-for-lake-champlain-sea-grant-institute/](https://vtdigger.org/press_release/uvm-suny-plattsburgh-receive-national-recognition-additional-funding-for-lake-champlain-sea-grant-institute/)
14. Gagnon, P.M. October 1, 2020. Le canal pourrait réduire le niveau de futures inondations. *Le Canada Français*. Print media. <https://www.canadafrancais.com/2020/10/01/le-canal-pourrait-reduire-le-niveau-de-futures-inondations/>
15. **Stepenuck, K.**, P. Guertin, and L. Halvorsen. September 30, 2020. Montpelier walking tour map now available. *The Barre Montpelier Times-Argus*. Print media. [https://www.timesargus.com/news/local/montpelier-walking-tour-map-now-available/article\\_3b25ced3-deb4-5fdd-9ab1-d7792c97446a.html](https://www.timesargus.com/news/local/montpelier-walking-tour-map-now-available/article_3b25ced3-deb4-5fdd-9ab1-d7792c97446a.html)
16. **Stepenuck, K.** September 17, 2020. Water You Know? Prep Lawns for Fall. *The Other Paper*. Print media. [https://www.vtcng.com/otherpapersbvt/opinion/opinion\\_columns/water-you-know-prep-laws-for-fall/article\\_d4a89924-f9b1-11ea-bae4-bb578bc68fdb.html](https://www.vtcng.com/otherpapersbvt/opinion/opinion_columns/water-you-know-prep-laws-for-fall/article_d4a89924-f9b1-11ea-bae4-bb578bc68fdb.html)
17. Stoddard, F. and **K. Stepenuck**. September 16, 2020 (original air date). *What is a Total Maximum Daily Load on Across the Fence*, WCAX. TV segment. [https://www.youtube.com/watch?v=jMlp\\_J-o9Mk](https://www.youtube.com/watch?v=jMlp_J-o9Mk)
18. **Stepenuck, K.** September 10, 2020. *Virtual Summer Camps Excite Students About Lake Champlain*. University Communications. Print media. <https://www.uvm.edu/newsstories/news/virtual-summer-camps-excite-students-about-lake-champlain>
19. Stoddard, F. and **K. Stepenuck**. September 2, 2020 (original air date). TV segment. *Individual Action: How You Can Improve Water Quality on Across the Fence*, WCAX. TV segment. [https://www.youtube.com/watch?list=PLJoQQE\\_ygD\\_uUv7toBtYG8O1V1O25c6mo&time\\_continue=780&v=Q6dfBWBMYSg&feature=emb\\_logo](https://www.youtube.com/watch?list=PLJoQQE_ygD_uUv7toBtYG8O1V1O25c6mo&time_continue=780&v=Q6dfBWBMYSg&feature=emb_logo)
20. Pierson, O., A. Schroth, and **K. Stepenuck**. July 28, 2020. *Science in Vermont: Restoring a lake in real-time*. Montpelier Times Argus. News article. [https://www.timesargus.com/news/local/science-in-vermont-restoring-a-lake-in-real-time/article\\_493d4991-e753-585a-a3c6-d7db8fe7b039.html](https://www.timesargus.com/news/local/science-in-vermont-restoring-a-lake-in-real-time/article_493d4991-e753-585a-a3c6-d7db8fe7b039.html)
21. Gram, D., **K. Stepenuck**, and L. Fisher. WDEV. July 7, 2020. *Raise the Blade for Water Quality*. Dave Gram Show. Radio show. <https://wdevradio.com/real-estate-boom-supreme-court-decision-religious-schools/>
22. **Stepenuck, K.**, N. Duarte and K. Bates. May 2019. *Raise the Blade for Water Quality*. South Burlington and Shelburne Living. News article.
23. Stoddard, F. and **K. Stepenuck**. April 10, 2019 (original air date). *Flood Research: The Lake Champlain Basin of VT, NY & Quebec on Across the Fence*, WCAX. TV segment. <https://www.ijc.org/en/lcrr> and <https://youtu.be/kyP0fOfZz90>
24. **Stepenuck, K.**, P. Sexton, and C. Dobbins. October 30, 2018 (original air date). *Lake Champlain Basin Deicing Conference on Across the Fence*, WCAX. TV segment. <https://www.youtube.com/watch?v=XqxSCVd6lh8>
25. **Stepenuck, K.** and A. Eaton. August 21, 2018 (original air date). *Lake Champlain Sea Grant and UVM Extension Watershed Alliance Updates on Across the Fence*, WCAX. TV segment. <https://www.youtube.com/watch?v=P29G9jM5ldY>
26. Battipaglia, H. May 3, 2018. Lake Champlain Sea Grant Receives 'Institute' Designation, Sees Increase in Funding. MyNBC5. TV segment. <https://www.mynbc5.com/article/lake-champlain-sea-grant-receives-institute-designation-sees-big-increase-in-funding/20130740>
27. Hewitt, E. May 3, 2018. Designation Make Lake Champlain Great Again. *Vermont Digger*. Print media. <https://vtdigger.org/2018/05/03/designation-makes-lake-champlain-great/>
28. Garneau, D. and **K. Stepenuck**. December 13, 2017 (original air date). *Microplastics in the Lake on Across the Fence*, WCAX. TV segment. <https://www.youtube.com/watch?v=gTL3fYuP0l4>

29. **Stepenuck, K.** and C. Parnapy. October 2017. *Salt Use on Winter Roads* on Across the Fence, WCAX. TV segment. <https://www.youtube.com/watch?v=7Y4-E-OaeFs> and [https://www.youtube.com/watch?v=AllwpJzJ\\_NM](https://www.youtube.com/watch?v=AllwpJzJ_NM)
30. *Burlington Free Press*, September 9, 2017, Lake Champlain Research Vessel Explores Stormwater Sites. <https://www.burlingtonfreepress.com/videos/news/2018/10/29/lake-champlain-research-vessel-explores-stormwater-sites/105434558/>

## Professional Service

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### *University Service*

- University of Vermont, Extension Faculty position search committee lead. December 2021 – June 2022
- University of Vermont, Program Support Generalist search committee lead. November 2021 – January 2022
- University of Vermont, Green Infrastructure Collaborative Coordinator search committee lead. August – September 2021
- University of Vermont, Indigenous People's Working Group member. 2021 – 2022
- UVM Salt Reduction Taskforce. University of Vermont. 2021 – present
- Lake Champlain Sea Grant and State University of New York – Plattsburgh, Aquatic Resource Specialist search committee member. March 2021
- University of Vermont, Lakes and Community Outreach Coordinator search committee co-lead. March 2021
- Natural Resources Results Area Team co-lead, UVM Extension. February 2021 – May 2021
- University of Vermont Student Affairs Committee. September 2020 – August 2022
- University of Vermont, College of Agriculture and Life Sciences and UVM Extension, Extension Director search committee member. August 2020 – February 2021
- Lake Champlain Sea Grant, Aquaculture Education Specialist search committee co-lead. August – October 2020
- Lake Champlain Sea Grant and UVM Extension, Watershed Forest Partnership Coordinator search committee lead. December 2019 – February 2020
- University of Vermont, Rubenstein School of Environment and Natural Resources, Business Support Generalist search committee member. November 2019 – February 2020.
- UVM Extension Diversity, Equity and Inclusion Working Group member 2019 – September 2020
- UVM Extension Diversity, Equity and Inclusion cohort learning sub-committee. 2019 – 2020
- Lake Champlain Sea Grant and UVM Extension, Watershed Forest Partnership Coordinator search committee lead. July – November 2019 (Failed search)
- Lake Champlain Sea Grant and UVM Extension, Watershed and Lake Education Program Assistant search committee member. 2019
- Lake Champlain Sea Grant and State University of New York – Plattsburgh, Watershed Education Assistant search committee member. 2018 – 2019
- University of Vermont Sustainability Curriculum Review Committee. Fall 2016 – Spring 2019
- University of Vermont Faculty Senate, substitute Extension faculty representative. 2018 - 2021
- International Joint Commission, Lake Champlain Richelieu River Flood Study US Outreach Manager hiring committee member. 2018
- Lake Champlain Sea Grant, and Vermont Department of Environmental Conservation, Green Infrastructure Collaborative Outreach Professional search committee lead. 2017 – 2018
- Rubenstein Ecosystems Science Laboratory strategic planning committee. 2017
- Lake Champlain Sea Grant and UVM Extension, Watershed and Lake Education Coordinator search committee lead. 2017
- Watershed Alliance strategic planning committee. 2017
- Lake Champlain Sea Grant and UVM Extension, Program Assistant search committee lead. 2016
- Lake Champlain Sea Grant and UVM Extension, Program Assistant search committee co-lead. 2015
- University of Wisconsin System Women & Science Advisory Board. 2003 – 2008

### *Professional Service*

- Member, Adirondack Road Salt Reduction Task Force. 2021 – present
- Secretary and Treasurer, National Sea Grant Extension Assembly. 2020 – 2022
- Lake George Association, Council of Science Advisors. 2020 – present
- Citizen Science Association, communications working group member. 2019 – present
- *Citizen Science, Theory and Practice* journal, section editor for water-focused papers. 2018 – present
- North American Lake Management Society, Symposium local planning committee. 2018 – 2019
- ADK Action, Road Salt Working Group member. 2017 – 2018



- Citizen Science Association, strategic planning committee member. 2018
- Citizen Science Association, conference abstract reviewer. 2016 and 2018
- North East Sea Grant Network, Awards Committee Chair. 2017 – 2018
- Lake Champlain Basin Program, Education and Outreach Committee member. 2016 – present
- Watersheds United Vermont, Board of Directors. 2016 – 2022
- Citizen Science Association, Board of Directors Secretary 2014–16; Vice Chair 2016–17; Chair 2017– 2018
- Great Lakes Sea Grant Network Extension Leaders, Chair. 2015 – 2017
- National Water Quality Monitoring Council, Communications and Outreach Team member. 2015 – 2017
- National Water Quality Monitoring Council, Volunteer Monitoring Working Group (formerly *Volunteer Monitor* Editorial Board). 2011 – present
- Wisconsin's Citizen-based Monitoring Advisory Council. 2004 – 2015

### **Reviewing Activity**

#### Journals:

Australian Journal of Environmental Management; BioScience; Biological Conservation; Citizen Science: Theory and Practice; Journal of Science Communication; Environmental Monitoring and Assessment; Ecology and Society; Freshwater Science; Journal of the American Water Resources Association; Environmental Management; Human Dimensions of Wildlife; PeerJ; PLOS One; Sustainability Science; Sustainability; Journal of Public Health; Frontiers of Ecology and the Environment, Integrated Environmental Assessment and Management

Awards: Two Sea Grant Regional Networks (2020)

Book: *The Light in the Lake*, published by Little, Brown Books for Young Readers (2018)

#### Book chapter:

*Citizen Engagement in Local Environmental Issues: Intersecting Modes of Communication*, in *Citizen Engagement and Public Participation in the Era of New Media*, IGI Global (2016)

#### Grant reviews:

National Science Foundation (2018); Lake Champlain Basin Program (2016 – 2020); Illinois/Indiana Sea Grant (2018); Wisconsin Sea Grant (2017); Guam Sea Grant (2017); University of Vermont Water Center (2017); Iowa Water Center (2016); Watersheds United Vermont (2019 – 2021); California Sea Grant (2021); New Jersey Sea Grant (2021)

#### Grant advisor:

*SciStarter 2.0: A Dashboard to Drive Research, Participation, and Community-building in Citizen Science*. National Science Foundation. Advancing Informal STEM Learning Grant. (2015 – 2017)

*Learning to See, Seeing to Learn: A Sociotechnical System Supporting Taxonomic Identification Activities in Volunteer-Based Water Quality Biomonitoring*. National Science Foundation. Advancing Informal STEM Learning Grant. (2016 – 2018)

#### Guidance documents:

*Essential Study Design*, National Volunteer Monitoring and Citizen Science Training Support Hub Water Data Collaborative (2019); *Plastic Beach Protocol*, 5 Gyres Institute (2018); *Handbook for Citizen Science Quality Assurance and Documentation*, US Environmental Protection Agency (2018); *Winooski Basin Tactical Basin Plan*, Vermont Department of Environmental Services (2018)

#### External promotion reviews:

University of Connecticut (2022); University of Florida (2022); University of Hawaii (2018 and 2021); Michigan State University (2018)

#### Programmatic review:

ALLARM, Dickinson College (2019)

## **Mentoring**

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### ***Graduate Student Advisor***

M.S. Tess O'Brien (Spring 2023 – present)  
M.S. Maria Immordino (Fall 2022 – present)  
M.S. Kate Longfield (Fall 2021 – present)  
M.S. Stever Bartlett, Advisor (Summer 2020 – present)  
PhD. Kristin Raub, co-Advisor (Fall 2018 – Spring 2021); degree granted Spring 2021  
M.S. Rachel Pierson, Advisor (Fall 2018 – Fall 2020); degree granted Fall 2020  
M.S. Jason Scott, Advisor (Fall 2018 – Spring 2020); degree granted Spring 2020  
M.S. Holden Sparacino, Advisor (Spring 2017 – Fall 2018); degree granted Fall 2018

### ***Graduate Student Committee Member***

M.S. Jessi James, Mississippi State University (Spring 2021 – present)  
M.S., Liam Bean, Montana State University (Fall 2020 – present)  
M.S. Amanda Sartain, Mississippi State University (Summer 2019 – Spring 2020); withdrew Spring 2020  
M.S. Carolyn Loeb, UVM (Spring 2018 – Spring 2019); degree completed Spring 2019  
M.P.S. Sustainable Leadership Program, UVM (2017 – present)  
M.S. Chelsea Clarke, UVM (Spring 2017 – Spring 2018); degree completed Spring 2018  
M.S. Anya Tyson, UVM (Spring 2016 – Spring 2017); degree completed Spring 2017  
M.S. Gabriel Andrews, UVM (Spring 2016 – Spring 2017); degree completed Spring 2017

### ***Undergraduate Honors Thesis Advisor***

B.S. Cecelia Egler, UVM (Fall 2021 – Fall 2022); degree completed Fall 2022  
B.S. Sarah Clauss, UVM (Spring 2021 – Spring 2022); degree completed Spring 2022  
B.S. Maddie San Angelo, UVM (Fall 2019 – Spring 2021); degree completed Spring 2021

### ***Independent Study Advisor***

B.S. Colin Brown, UVM (Fall 2019 – Spring 2020)  
B.S. Victoria Nash, UVM (Spring 2019)  
B.S. Kathleen Lewis, UVM (Spring 2019)  
B.S. Ben Galligan, UVM (Fall 2018)  
B.S. Preston Richardson, UVM (Fall 2018)  
M.S. Elizabeth Lee, SUNY-Plattsburgh (Fall 2017)

### ***Fellowship Advisor***

B.S. Grace Fang, Wellesley College, UVM AX Fellow (Summer 2022)  
B.S. Gigi Walsh, UVM, UVM AX Fellow (Summer 2022)  
B.S. Cecelia Egler, UVM (Summer 2022)  
B.S. Sarah Clauss, UVM (Summer 2021)

B.S. Maya Dizack, UVM (Summer 2019 – grant awarded spring 2018)

B.S. Lily Myers, UVM (Summer 2017)

### ***Staff Supervisor***

#### Full-time Employees:

Jill Sarazen, Interim Green Infrastructure Collaborative Coordinator (2021 – present)

Mark Mitchell, Lakes Monitoring and Community Outreach Coordinator (2021 – present)

Aude Lochet, PhD, Aquatic Resources Specialist, SUNY-Plattsburgh (2021 – present)

Alison Adams, Extension Forestry Coordinator, Watershed Forestry Partnership (2020 – 2022)

Marc Companion, Green Infrastructure Collaborative Outreach Professional (2018 – 2021)

Ashley Eaton, Watershed and Lake Education Coordinator (2017 – present), interim Watershed Alliance Coordinator (2016 – 2017), Program Assistant (2015 – 2016)

Mark Malchoff, Aquatic Resources Specialist, SUNY-Plattsburgh (2015 – 2020 upon retirement)

Amelia Tarren, Program Assistant (2016 – 2019)

Rebecca Tharp, Green Infrastructure Collaborative Manager (2015 – 2017)

Erin DeVries, Watershed Alliance Coordinator (2015 – 2016)

#### Part-time Project Employees:

Suzy Hodgson, Stormwater Outreach Specialist (2021)

Theodore Willis, PhD, Aquaculture Education Specialist (2020 – 2023)

Juliana Dixon, Stormwater Outreach Specialist (2020 – 2021)

Linda Patterson, Land and Water Quality Education Specialist (2015 – present)

Sarah Coleman (2018)

Lina Longtoe Schulmeisters (2018)

Kerry Crowningshield (2016 – 2017)

David Nolan (2016 – 2017)

#### ECO AmeriCorps Member:

Hannah Yates (2017 – 2018)

#### Undergraduate Research Assistants:

Julia Szymanski, Raise the Blade (Summer 2019 – Fall 2019)

James Sleight, Lake Champlain Recreational Boater Survey (Summer 2019)

Katherine Helmer, Lake Champlain Recreational Boater Survey (Summer 2018 – Fall 2018)

Rory Malone, Raise the Blade (Fall 2017 – Fall 2018)

Ian Walls, Raise the Blade (Summer 2018)

#### Student Employees:

Erin O'Mara (Fall 2020 – present)

Christian Boisvert (Fall 2019 – Spring 2020)

Gabriel Frigone (Summer 2019)

Miles McCallum (Summer 2019)

Margaret Polifrone (Summer 2019)

Kristen Livingstone (Fall 2017 – Spring 2021)

Sergei Bluman (Fall 2017)

Caitlyn Bain (Fall 2017 – Spring 2019)

Brian Flynn (Fall 2017 – Spring 2018)

Chaz Rorick (Fall 2017 – Fall 2018)

Quinn Ledak (Fall 2016 – Fall 2018)

### **Recent Professional Development Trainings**

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1. Implicit Bias Awareness. February 2021. Online
2. UVM Extension Diversity, Equity and Inclusion Co-learning Cohort. May 2020 – December 2020. UVM Extension. Online
3. The Effects of Police Brutality and Racism on Black Students & Professionals in Education. June 2020. Minnesota State University – Mankato. Online
4. Online Teaching Boot Camp. June 2020. UVM Continuing and Distance Education. Online
5. Spill Prevention for Marina Staff. April 2019. Boat US. Online
6. Relationship-Building and Influence: Tips for Getting Sponsors to Support Your Science. March 2019. Alda-Kavli Learning Center. Online
7. Best Practices in Science Communication. March 2019. Citizen Science Association Conference. Raleigh, NC.
8. Laboratory Safety Training Refresher. January 2019. University of Vermont. Online
9. Human Subjects Refresher Training. July 2018. CITI. Online
10. Cheating and Plagiarism in Higher Education: Practical Guidance for How to Respond Lawfully Webinar. May 2018. Online
11. Conflict Resolution, Part 2: Practice Makes Perfect. April 2018. University of Vermont. Burlington, VT
12. Leadership Training for Managers. March 12 to 14, 2018. Dale Carnegie Institute. San Francisco, CA
13. Small Changes, Big Impact: Small Teaching Changes that Build Analysis and Reflection. February 2018. University of Vermont. Burlington, VT
14. Implicit Bias Webinar. National Sea Grant Diversity, Equity and Inclusion Community of Practice. December 2017. Online
15. Building Conflict Resolution Skills. December 2017. University of Vermont. Burlington, VT
16. Faculty to Faculty Teaching Consultation. December 2017. University of Vermont. Burlington, VT
17. Ice Safety Training. December 2017. CVU High School. Hinesburg, VT
18. Emergency Response for Laboratory Workers. December 2017. Online
19. UVM Communicates, Alan Alda Science Communications Workshop. October 2017. University of Vermont. Burlington, VT
20. Sea Grant Academy Week 2. October 2017. Astoria, OR.
21. Best Hiring Practices and Affirmative Action. July 2017. University of Vermont. Burlington, VT
22. Sea Grant Academy Week 1. March 2017. Baltimore, MD
23. Generational Differences. November 2017. ECO AmeriCorps Professional Development Training. Montpelier, VT.
24. Blackboard Assessment Tools. January 2017. University of Vermont. Burlington, VT
25. Blackboard: Communication Tools. January 2017. University of Vermont. Burlington, VT
26. Blackboard: Understanding and Building Your Course. January 2017. University of Vermont. Burlington, VT
27. Rubenstein School's Student-led Diversity Teach. November 2016.
28. Overall Best Practices for Writing Your Proposal. Grant Writing Brown Bag Discussion. February 2016. University of Vermont. Burlington, VT
29. ABCs of Bb: A Hands-on Blackboard Workshop. August 2016. University of Vermont. Burlington, VT
30. Work Study Supervisor Responsibilities. August 2016. University of Vermont. Burlington, VT
31. Vermont Boating Safety Course: BoatUS Foundation. July 2016. Apple Island Marina, South Hero, VT
32. Effective Performance Reviews. March 2016. University of Vermont. Burlington, VT
33. NR 207, Power, Privilege and the Environment. Fall 2015. University of Vermont. Burlington, VT

### **Professional Memberships**

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- American Water Resources Association, October 2021 – 2022
- Citizen Science Association, 2014 – present
- North American Lake Management Society, 2012 – 2014; 2019 – present