

## JENNIFER A. HAUXWELL

University of Wisconsin-Madison  
Aquatic Sciences Center  
-Wisconsin Sea Grant  
-Wisconsin Water Resources Institute  
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Madison, WI 53706-1177

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### EDUCATION

**The University of Michigan;** Ann Arbor, MI.

B.S. in Biology through the School of Literature, Science, & the Arts, April 1994.

Michigan Secondary Teaching Certification in Biology and Chemistry, April 1994.

**Cornell University;** Shoals Marine Laboratory. Field Marine Science Course. 1992.

**Boston University Marine Program;** Marine Biological Laboratory; Woods Hole, MA.

Ph.D. in Aquatic Ecology through the Graduate School of Arts and Sciences. Advisor, Dr. Ivan Valiela. December 2000.

### PROFESSIONAL EMPLOYMENT

**University of Wisconsin-Madison**

**Asst. Director for Research and Student Engagement**

Aquatic Sciences Center

11/14 - present

-Wisconsin Sea Grant Institute

-Wisconsin Water Resources Institute

272 Goodnight Hall, 1975 Willow Drive

Madison, WI 53706-1177

The University of Wisconsin Aquatic Sciences Center (ASC) is a UW-Madison program of multidisciplinary research, education and outreach dedicated to the protection and sustainable use of Wisconsin's water resources - lakes, rivers, and groundwater - as well as Wisconsin waters of Lakes Michigan and Superior. Together with other funding activities compatible with the ASC mission, the Center administers two major multidisciplinary, system-wide research programs - the Sea Grant Institute (SGI), focusing on the protection and sustainable use of the nation's Great Lakes, and the Water Resources Institute (WRI), focusing on solutions to Wisconsin's present and emerging water resources issues. As the only source of federal and associated state funding in the state, both SGI and WRI function as grant agencies, with all that entails, awarding over \$5M in funding annually to Wisconsin public and private universities and colleges. Responsibilities include: providing leadership, strategic planning, and administration for all research-related activities of the ASC including: developing requests for proposals and receiving proposals from investigators; coordinating the review process for proposals (both written peer reviews and technical review panels); finalizing proposal decisions with technical and advisory councils; coordinating the strategic planning, reporting, and program site reviews associated with all research activities. Position also requires partnership with Communications and Outreach staff for advancing and translating research findings for the general public, public officials, and state administrators. As Assistant Director for Student Engagement, develop new programming for graduate research fellows to provide professional development opportunities to enhance students' experience participating in research at SGI and WRI.

**Wisconsin Dept. of Natural Resources Fisheries and Aquatic Sciences Research Chief**

Fisheries and Aquatic Sciences Research Section

7/08 – 11/14

Bureau of Science Services

DNR Science Operations Center

2801 Progress Road

Madison, WI 53716

Responsibilities included: providing leadership, strategic planning, and supervision on the scientific, collaborative, and administrative duties associated with successfully implementing the Wisconsin DNR's Fisheries and Aquatic Sciences Research Program, comprised of 40-50 scientists and technicians with an operating annual budget of approximately \$2.7 million, including grant submission and reporting for federal Sportfish Restoration grants, as well as other federal, state, and external grants. Section research activities ranged from water chemistry to habitat to sportfish management, understanding linkages between aquatic resources and landscape perturbations at various spatial and temporal scales, assessing effects of invasive species on aquatic resources, developing effective monitoring strategies for various resource management needs, and developing tools and partnerships to advance science-based adaptation strategies for climate change impacts. *Supervised a total of 75 individuals over term as chief and administered approximately \$16.2 million for research projects to protect and enhance Wisconsin's aquatic resources.*

**Wisconsin Department of Natural Resources Aquatic Ecologist/Research Limnologist**

Fisheries and Aquatic Sciences Research Section  
Bureau of Science Services  
DNR Science Operations Center  
2801 Progress Road  
Madison, WI 53716

10/01 – 7/08

Responsibilities included: planning and conducting basic and applied research in the field of aquatic ecology related to land use, invasive species introductions, and climate; adapting ecological theory and methods to assist with issues facing the agency's environmental resource management personnel; developing a research program including experimental and observational methodologies in aquatic systems, aquatic sampling protocol development and implementation, statistical analyses, and publishing in peer-reviewed national journals; identifying research needs; developing proposals for funding; assembling and supervising research teams (including advising graduate students) to implement research projects and serving as a mentor for developing professionals; serving as member of technical working groups to develop and implement statewide policy regarding lake management issues; serving as technical consultant to other department staff; developing working relationships with peers in other state and federal agencies and academic institutions; presenting research results to managers, regional personnel, the general public, and at national scientific meetings. *Hired and supervised 4-10 employees annually.*

**Wisconsin Department of Natural Resources**

**Acting Section Chief**

Fisheries and Aquatic Sciences Research Section  
Bureau of Science Services  
DNR Science Operations Center  
2801 Progress Road  
Madison, WI 53716

1/08 – 2/08

Responsibilities included: providing leadership on the scientific, collaborative, and administrative duties associated with successfully implementing the Wisconsin DNR's Fisheries and Aquatic Sciences Research Program, comprised of 24 scientists and technicians.

**University of Florida**

**Courtesy Assistant Professor**

Department of Zoology  
P.O. Box 118525

10/01 – 6/12

Joint appointment with Department of Fisheries & Aquatic Sciences  
Gainesville, FL 32615-8525

**Postdoctoral Associate**

10/00 - 10/01

Conducted research funded by the Southwest Florida Water Management District to assess the management implications associated with habitat restoration. Determine the potential effects of

herbivory by manatees and competitive interactions with exotic primary producers on successful restoration of the native aquatic plant, *Vallisneria americana*. Responsibilities included hiring and supervising research technicians, experimental design, data collection often using SCUBA, laboratory analyses, data management and analyses, presenting at local and international scientific meetings, proposal development, report-writing, and writing and publishing manuscripts in scientific journals. *Hired and supervised 4 technicians.*

**Florida Sea Grant**

University of Florida  
10/01  
Building 803, McCarty Drive  
P.O. Box 110400  
Gainesville, FL 32611-0400

**Independent Contractor**

11/00 -

Lead author of educational brochure providing information to citizens of Florida on the effects of nutrient loading to Florida's coastal waters.

**Boston University**

Boston University Marine Program  
Marine Biological Laboratory  
Woods Hole, MA 02543

**Visiting Professor**

9/00

Taught 4 credit 1-month intensive course (Marine Ecology, BI466, 666) to graduate and undergraduate students in Woods Hole, MA. The overall goals of the course were to:

1) introduce students to the fundamentals of marine ecology, 2) teach students to identify and understand the ecological roles of nearby marine flora and fauna, and 3) provide the opportunity for students to conduct all components of marine ecological research - from asking a valid scientific question to communicating experimental results. Course activities included lectures; field trips to salt marshes, estuaries, and rocky shorelines (Shoals Marine Lab overnight trip); and intensive student research projects. *Supervised 20 students, including boat safety training for all.*

**Boston University**

Boston University Marine Program  
Marine Biological Laboratory  
Woods Hole, MA 02543

**Doctoral Candidate**

9/94 - 7/00

Quantified the linkages between land use practices, nutrient loads from watersheds to estuaries, and the resulting effects on estuarine primary productivity and food webs. Thesis title was "Interaction between grazing and nutrient controls of macrophyte biomass and community structure in shallow temperate estuarine ecosystems." Responsibilities included experimental design, data collection often using SCUBA under adverse conditions, laboratory analyses, data management and analyses, presenting at local and international scientific meetings, writing and publishing manuscripts in scientific journals, supervising undergraduate and graduate students in the courses Organism-Sediment Relationships and Marine Pollution and 1-3 REU (NSF-funded Research Experience for Undergraduates) students each summer with research projects in estuaries and salt marshes. Graduate stipend and project support from 1996-2000 were funded entirely via private or national competitive fellowships: Waquoit Bay Fellowship, U.S. Environmental Protection Agency STAR Graduate Fellowship, and the U.S. National Oceanic and Atmospheric Administration National Estuarine Research Reserve Graduate Fellowship. *Supervised 6 NSF-funded REU students on field research projects and 20 undergraduate and graduate students as a Teaching Assistant.*

**Waquoit Bay National Estuarine Research Reserve**

Massachusetts Department of Environmental Management  
Division of Forests and Parks - Region 1

**Visiting Lecturer**

3/00

P.O. Box 3092  
Waquoit, MA 02536

Served as Visiting Lecturer for 2 partnership projects between the Waquoit Bay National Estuarine Research Reserve and the Woods Hole Research Center, both funded by the Massachusetts Environmental Trust. Taught an Estuarine Ecology session of the mini course “Environmental Literacy” designed for high school teachers at the Cape Cod Community College. Served as a Visiting Scientist at local high schools as part of the “Aquatic Science in Action” program. The goals of the project were to promote student education regarding connections between land use and water quality through scientific readings and research presentations on aquatic topics in the local area. The benefits to students included learning about local environmental issues, improving science literacy skills, exposure to the scientific process, and the program provided students an opportunity to communicate to the public about local environmental concerns and potential solutions.

***Journal of Crustacean Biology***

Boston University Marine Program  
Marine Biological Laboratory  
Woods Hole, MA 02543

**Editorial Assistant**

9/98 - 9/99

Assisted Dr. Arthur Humes, Editor of the *Journal of Crustacean Biology*, with most aspects of editing the scientific journal. Responsibilities included editing accepted manuscripts prior to and after printing, corresponding with authors, maintaining manuscript files.

**CINVESTAV-IPN, Unidad Mérida**

Laboratory of Primary Production  
A.P. 73 Cordemex  
Mérida, Yucatan, Mexico

**Visiting Research Scientist**

8/99 - 9/99

Conducted research in 5 estuaries on the Yucatan Peninsula, Mexico, to determine the response of different species of seagrasses with different growth characteristics (*Thalassia testudinum*, *Halodule wrightii*, and *Syringodium filiforme*) to anthropogenic inputs of nutrients from adjoining terrestrial ecosystems, assess which species are most sensitive indicators of eutrophication, and better understand how the loss of each type of meadow might alter ecosystem functions (including magnitude and rates of carbon and nitrogen cycling - rates of fixation, turnover, storage, export, supply to higher trophic levels, etc.).

**LEC Environmental Consultants, Inc.**

3 Otis Park Drive  
Bourne, MA 02532

**Independent Research Consultant**

5/98

Conducted comprehensive eelgrass (*Zostera marina*) health assessment in area of potential dock extension in Nantucket Harbor. Took part in writing and submission of report for pending lawsuit which included results on eelgrass coverage, density, frequency of flowering shoots, shoot morphology, growth rates, biomass, and general health.

**Institute of Ecosystem Studies**

Education Program; Box R  
Millbrook, NY 12545-0178

**Outdoor Science Center Educator**

5/94-8/94

Designed, implemented, and served as educator for successful new ecology day camp for children in grades 1-6, funded through NSF. Participants worked as ecologists for a week by comparing biological, physical, and chemical characteristics of ponds and streams. Additional responsibilities included conducting outdoor education programs for visiting middle and high school students and serving as on-site health director.

**PUBLICATIONS** (\* indicates publications resulting from student projects or technicians under my mentorship)

*Peer-Reviewed Journals:*

33. Nault, M.E., M. Barton, J. Hauxwell, E. Heath, T. Hoyman, A. Mikulyuk, M.D. Netherland, S. Provost, J. Skogerboe, and S. Van Egeren. 2018. Evaluation of large-scale low-concentration 2,4-D treatments for Eurasian and hybrid watermilfoil control across multiple Wisconsin lakes. *Lake and Reservoir Management* 34:115-129.  
<https://doi.org/10.1080/10402381.2017.1390019>
32. Mikulyuk, A., M. Barton, J. Hauxwell, C. Hein, E. Kujawa, K. Minihan, M.E. Nault, D.L. Oele, and K.I. Wagner. 2017. A macrophyte bioassessment approach for linking taxon-specific tolerance and abundance in north temperate lakes. *Journal of Environmental Management* 199:172-180. <https://doi-org.ezproxy.library.wisc.edu/10.1016/j.jenvman.2017.05.012>
31. Kujawa, E.R., P. Frater, A. Mikulyuk, M. Barton, M.E. Nault, S. Van Egeren, and J. Hauxwell. 2017. Lessons from a decade of lake management: effects of herbicides on Eurasian watermilfoil and native plant communities. *Ecosphere* 8(4):e01718. 10.1002/ecs2.1718.
30. Alahuhta, J., S. Kosten, M. Akasaka, D. Auderset, M.M. Azzella, R. Bolpagni, C.P. Bove, P.A. Chambers, E. Chappuis, J. Clayton, M. de Winston, F. Ecke, E. Gacia, G. Gecheva, P. Grillas, J. Hauxwell, S. Hellsten, J. Hjort, M.V. Hoyer, C. Ilg, A. Kolada, M. Kuoppala, T. Lauridsen, E.H. Li, B.A. Lukács, M. Mjelde, A. Mikulyuk, R.P. Mormul, J. Nishihiro, B. Oertli, L. Rhazi, M. Rhazi, L. Sass, C. Schranz, M. Sondergaard, T. Yamanouchi, Q. Yu, H. Wang, N. Willby, X.K. Zhang, and J. Heino. 2017. Global variation in the beta diversity of lake macrophytes is driven by environmental heterogeneity rather than latitude. *Journal of Biogeography*. doi:10.1111/jbi.12978.
29. Frater, P., A. Mikulyuk, M. Barton, M. Nault, K. Wagner, J. Hauxwell, and E. Kujawa. 2016. Relationships between water chemistry and herbicide efficacy of Eurasian watermilfoil management in Wisconsin lakes. *Lake and Reservoir Management* 33:1-7. DOI: 10.1080/10402381.2016.1235634. <http://dx.doi.org/10.1080/10402381.2016.1235634>.  
***-Manuscript nominated by Lake and Reservoir Management Editorial Board for the James LaBounty Best Paper Award for 2016, North American Lake Management Society.***
28. Oele, D.L., K.I. Wagner, A. Mikulyuk, C. Seeley-Schreck, and J. Hauxwell. 2015. Effecting compliance with invasive species regulations through outreach and education of live plant retailers. *Biological Invasions* 17:2707-2716. doi:10.1007/s10530-015-0907-2.  
<http://link.springer.com/article/10.1007/s10530-015-0907-2>
27. \*Nault, M.E., M.D. Netherland, A. Mikulyuk, J.G. Skogerboe, T. Asplund, and J. Hauxwell. 2014. Efficacy, selectivity, and herbicide concentrations following a whole-lake 2,4-D application targeting Eurasian Watermilfoil in two adjacent northern Wisconsin lakes. *Lake and Reservoir Management* 30:1-10. DOI:10.1080/10402381.2013.862586.  
***-Manuscript nominated by Lake and Reservoir Management Editorial Board for the James LaBounty Best Paper Award for 2014, North American Lake Management Society.***
26. Hansen, G. J. A., M. J. Vander Zanden, M. J. Blum, M. K. Clayton, E. K. Hain, J. Hauxwell, M. Izzo, M. S. Kornis, P. B. McIntyre, A. Mikulyuk, E. Nilsson, J. D. Olden, M. Papes, and S. Sharma. 2013. Commonly rare and rarely common: Comparing population abundance of invasive and native aquatic species. *PLoS ONE* 8(10): e77415.  
doi:10.1371/journal.pone.0077415.
25. \*Mikulyuk, A., S. Sharma, S. Van Egeren, E. Erdmann, M.E. Nault, and J. Hauxwell. 2011. The relative role of environmental, spatial, and land-use patterns in explaining aquatic macrophyte community composition. *Canadian Journal of Fisheries and Aquatic Sciences* 68:1778-1789.

24. \*Mikulyuk, A., J. Hauxwell, P. Rasmussen, S. Knight, K. Wagner, M. Nault, and D. Ridgely. 2010. Testing a methodology for assessing aquatic plant communities in temperate inland lakes. *Lake and Reservoir Management* 26:54-62.  
**-Manuscript nominated by Lake and Reservoir Management Editorial Board for the James LaBounty Best Paper Award for 2010, North American Lake Management Society.**
23. \*Sass, L.L., M.A. Bozek, J. Hauxwell, K. Wagner, S. Knight. 2010. Response of aquatic macrophytes to human perturbations in the watersheds of Wisconsin lakes. *Aquatic Botany* 93:1-8.
22. Herrera-Silveira, J.A., J. Cebrian, J. Hauxwell, J. Ramirez-Ramirez, and P. Ralph. 2009. Evidence of negative impacts of ecological tourism on turtlegrass (*Thalassia testudinum*) beds in a marine protected area of the Mexican Caribbean. *Aquatic Ecology* 44:23-31.
21. Kosten, S., A. Kamarainen, E. Jeppesen, E.H. van Nes, E.T.H.M. Peeters, N. Mazzeo, L. Sass, J. Hauxwell, N. Hansel-Welch, T.L. Lauridsen, M. Søndergaard, R.W. Bachmann, G. Lacerot, and M. Scheffer. 2009. Climate-related differences in the dominance of submerged macrophytes in shallow lakes. *Global Change Biology* 15:2503-2517. doi: 10.1111/j.1365-2486.2009.01969.x
20. Fox, S., E. Stieve, I. Valiela, J. Hauxwell, and J. McClelland. 2008. Macrophyte abundance in Waquoit Bay: Effects of land-derived nitrogen loads on seasonal and multi-year biomass patterns. *Estuaries and Coasts* 31:532-541.
19. Hauxwell, J., T.K. Frazer, and C.W. Osenberg. 2007. An annual cycle of biomass and productivity of *Vallisneria americana* Michx in a subtropical spring-fed estuary. *Aquatic Botany* 87: 61-68.
18. \*Wagner, K.I., J. Hauxwell, P.W. Rasmussen, F. Koshere, P. Toshner, K. Aron, D.R. Helsel, S. Toshner, S. Provost, M. Gansberg, J. Masterson, and S. Warwick. 2007. Whole-lake herbicide treatments for Eurasian watermilfoil in four Wisconsin lakes: Effects on vegetation and water clarity. *Lake and Reservoir Management* 23:83-94.  
**-Manuscript honored as Best Journal Article of the Year (2006-2007) by the North American Lake Management Society (November 2007, Orlando, FL).**
17. Hauxwell, J., J. Cebrián, and I. Valiela. 2006. Light dependence of *Zostera marina* annual growth dynamics in estuaries subject to different degrees of eutrophication. *Aquatic Botany* 84:17-25.
16. Hauxwell, J., C.W. Osenberg, and T.K. Frazer. 2004. Conflicting management goals: manatees and invasive competitors inhibit restoration of a native macrophyte. *Ecological Applications* 14:571-586.
15. Hauxwell, J., T.K. Frazer, and C.W. Osenberg. 2004. Grazing by manatees excludes both new and established wild celery transplants: Implications for restoration in Kings Bay, FL, USA. *Journal of Aquatic Plant Management* 42:49-53.
14. Hauxwell, J., J. Cebrián, and I. Valiela. 2003. Eelgrass (*Zostera marina* L.) loss in temperate estuaries: relationship to land-derived nitrogen loads and effect of light limitation imposed by algae. *Marine Ecology Progress Series* 247:59-73.
13. Hauxwell, J., J. Cebrián, C. Furlong, and I. Valiela. 2001. Macroalgal canopies contribute to eelgrass (*Zostera marina*) decline in temperate estuarine ecosystems. *Ecology* 82:1007-1022.  
**-Manuscript later featured in: McGlathery, K.J. 2001. Macroalgal blooms contribute to the decline of seagrass nutrient-enriched coastal waters. *Journal of Phycology (Algae Highlights)* 37:453-456.**
12. Hauxwell, J., J. Cebrián, J.A. Herrera-Silveira, J. Ramírez R., A. Zaldivar J., N. Gomez, and N. Aranda. 2001. Measuring production of *Halodule wrightii* Ascherson: Additional evidence suggests clipping underestimates growth rate. *Aquatic Botany* 69:41-54.
11. Havens, K.E., J. Hauxwell, A.C. Tyler, S. Thomas, K.J. McGlathery, J. Cebrián, I. Valiela, A.D. Steinman, and S.-J. Hwang. 2001. Complex interactions between autotrophs in shallow

- marine and freshwater ecosystems: Implications for community responses to nutrient stress. *Environmental Pollution* 113:95-107.
10. Valiela, I., G. Tomasky, J. Hauxwell, M.L. Cole, J. Cebrián, and K.D. Kroeger. 2000. Operationalizing sustainability: Management and risk assessment of land-derived nitrogen loads to estuaries. *Ecological Applications* 10:1006-1023.
  9. \*Graham, S., J. Davis, L. Deegan, J. Cebrián, J. Hughes, and J. Hauxwell. 1998. Effect of eelgrass (*Zostera marina*) density on the feeding efficiency of mummichog (*Fundulus heteroclitus*). *Biological Bulletin* 195:241.
  8. Hauxwell, J., J. McClelland, P.J. Behr, and I. Valiela. 1998. Relative importance of grazing and nutrient controls of macroalgal biomass in three temperate shallow estuaries. *Estuaries* 21:344-357.
  7. \*Kinlan, B., E. Duffy, J. Cebrián, J. Hauxwell, and I. Valiela. 1997. Control of periphyton on *Zostera marina* by the Eastern Mud Snail, *Ilyanassa obsoleta* (Say), in a shallow temperate estuary. *Biological Bulletin* 193:286-287.
  6. Valiela, I., J. McClelland, J. Hauxwell, P. Behr, D. Hersh, and K. Foreman. 1997. Macroalgal blooms in shallow estuaries: Controls and ecophysiological and ecosystem consequences. *Limnology and Oceanography* 42:1105-1118.
  5. \*Galán Jiménez, E., J. Hauxwell, E. Heckscher, C. Rietsma, and I. Valiela. 1996. Selection of nitrogen-enriched macroalgae (*Cladophora vagabunda* and *Gracilaria tikvahiae*) by the herbivorous amphipod *Microdeutopus gryllotalpa*. *Biological Bulletin* 191:323-324.
  4. \*Heckscher, E., J. Hauxwell, E. Galán Jiménez, C. Rietsma, and I. Valiela. 1996. Selectivity by the herbivorous amphipod *Microdeutopus gryllotalpa* among five species of macroalgae. *Biological Bulletin* 191:324-326.
  3. \*Bohrer, T., A. Wright, J. Hauxwell, and I. Valiela. 1995. Effect of epiphyte biomass on growth rate of *Zostera marina* in estuaries subject to different nutrient-loading. *Biological Bulletin* 189:260.
  2. \*Martinez, N., J. Hauxwell, and I. Valiela. 1995. Effect of macroalgal species and nitrogen-loading rates on colonization of macroalgae by herbivorous amphipods. *Biological Bulletin* 189:244-245.
  1. \*Wright, A., T. Bohrer, J. Hauxwell, and I. Valiela. 1995. Growth of epiphytes on *Zostera marina* in estuaries subject to different nutrient loading. *Biological Bulletin* 189:261.

#### Book Chapters

5. Knight, S., J. Hauxwell and E. Haber. 2014. Distribution and abundance of aquatic plants – Human impacts. *The Elsevier Reference Module in Earth Systems and Environmental Sciences*. ISBN: 978-0-12-409548-9.
4. Knight, S., and J. Hauxwell. 2010. Distribution and abundance of aquatic plants - Human impacts. Pp. 601-610. *In: G. Likens (editor-in-chief), Biogeochemistry of Inland Waters*. Elsevier, Oxford, United Kingdom.
3. Knight, S., and J. Hauxwell. 2009. Distribution and abundance of aquatic plants - Human impacts. *In: G. Likens (editor-in-chief), Encyclopedia of Inland Waters*. Elsevier, Oxford, United Kingdom.
2. Hauxwell, J., and I. Valiela. 2004. Effects of nutrient loading on shallow seagrass-dominated coastal systems: Patterns and processes. Pp. 59-92. *In S.L. Nielsen, M.F. Pedersen, and G. Banta (Eds.), The Influence of Primary Producers on Estuarine Nutrient Cycling*. Kluwer Academic Publishers, the Netherlands.
1. Valiela, I., M.L. Cole, J. McClelland, J. Hauxwell, J. Cebrián, and S. Joye. 2000. Role of salt marshes as part of coastal landscapes. Pp. 23-36. *In: M.P. Weinstein and D.A. Kreeger (eds.), Concepts and Controversies in Tidal Marsh Ecology*. Kluwer Academic Publishing, Dordrecht, the Netherlands.

### *Technical Reports, Guidelines, and Protocols*

10. Wagner, K.I., C. Schreck, J. Hauxwell, A. Mikulyuk, M. Wilkinson, S. Van Egeren, and D.L. Oele. 2015. Reducing invasive organisms in trade in Great Lakes watersheds. Miscellaneous Publication PUB-SS-1144 2014. Final report to the U.S. Environmental Protection Agency Region V. Bureau of Science Services, Wisconsin Department of Natural Resources, Madison, WI. 98 pp.
9. Barton, M.E., A. Mikulyuk, M. Nault, K. Wagner, J. Hauxwell, S. Van Egeren, T. Asplund, J. Skogerboe, S. Jones, J. Leverance, and S. Graham. 2013. Early season 2,4-D herbicide and deep harvesting treatment effects on Eurasian watermilfoil (*Myriophyllum spicatum*) and native macrophytes in Turville Bay, Lake Monona, Dane County, Wisconsin. Miscellaneous Publication PUB-SS-1120 2013. Bureau of Science Services, Wisconsin Department of Natural Resources, Madison, WI.  
<http://dnr.wi.gov/lakes/plants/research/Project.aspx?project=111625292>
8. Hauxwell, J., S. Knight, K. Wagner, A. Mikulyuk, M. Nault, and S. Chase. 2010. Recommended baseline monitoring of aquatic plants in Wisconsin: Point-intercept sampling design, Collection Protocol, Data Analysis, and Applications. DNR Publication #: SS 1068 2010.  
<http://www.uwsp.edu/cnr-ap/UWEXLakes/Documents/ecology/Aquatic%20Plants/PI-Protocol-2010.pdf>
7. \*Mikulyuk, A., J. Hauxwell, M. Nault, K. Wagner, L. Herman, and S. Knight. 2009. Governor's Council on Invasive Species and Wisconsin DNR - Technical reviews of 35 potentially invasive aquatic plants and algae in Wisconsin. DNR Publication.
6. Garrison, P., M. Jennings, A. Mikulyuk, J. Lyons, P. Rasmussen, J. Hauxwell, D. Wong, J. Brandt, and G. Hatzenbeler. 2008. Implementation and interpretation of lakes assessment data for the Upper Midwest. Final Report to US EPA. DNR Publication SS 1044 2008.
5. Hauxwell, J., G. LaLiberte, A. Mikulyuk, P. Garrison, and G. Vorhes. 2006. Use of plants and diatoms for nutrient assessment in north temperate depressional wetlands. Final Report, US EPA, Region V, Chicago, IL. DNR Publication #: PUB-SS-1023 2006.
4. Hauxwell, J., T. Bernthal, R. Lillie, E.J. Judziewicz, and S. Kenney. 2004. Field testing the Wisconsin Depressional Wetland Macroinvertebrate and Plant Indices of Biological Integrity for application by trained volunteers. Final Report, US EPA, Region V, Chicago, IL. Pp. 1-73. [http://dnr.wi.gov/org/es/science/publications/SS\\_1017\\_2005\\_NoAppendices.pdf](http://dnr.wi.gov/org/es/science/publications/SS_1017_2005_NoAppendices.pdf)
3. Hauxwell, J., S. Knight, K. Wagner, and A. Mikulyuk. 2004. Recommended baseline monitoring of aquatic macrophytes in Wisconsin - Point-intercept sampling method, collection protocol, and data analyses. Wisconsin Department of Natural Resources, Madison WI. Pp. 1-10.
2. Hauxwell, J., P. Garrison, and K. Wagner. 2004. Guidelines for whole-lake fluridone re-treated research lakes in Wisconsin - Potter and Random Lakes. Wisconsin Department of Natural Resources, Madison WI. Pp. 1-20.
1. Hauxwell, J., T.K. Frazer, and C.W. Osenberg. 2003. Effects of herbivores and competing primary producers on *Vallisneria americana* in Kings Bay: Implications for restoration and management. Final Report, Southwest Florida Water Management District, Surface Water Improvement and Management Program, Tampa, FL. Pp. 1-68.

### *Popular Articles*

6. Gaumnitz, L., S. Knight, C. Schaal, S. Van Egeren, E. Verbeten, K. Wagner. (Authors) J. Hauxwell, A. Mikulyuk, M. Nault, S. Provost (Contributing Editors). 2014. A peek beneath the waves – Managing and protecting aquatic plants for the health of Wisconsin's lakes. In: N. Kassulke, J. Warren (eds.), Wisconsin Natural Resources magazine. August issue. Science Services publication #1134. <http://dnr.wi.gov/topic/research/publications/misc/>



5. Nault, M., A. Mikulyuk, J. Hauxwell, J. Skogerboe, T. Asplund, M. Barton, K. Wagner, T. Hoyman, and E. Heath. 2012. Herbicide treatments in Wisconsin lakes: Building a framework for scientific evaluation of large-scale herbicide treatments in Wisconsin lakes. *LakeLine* 32:21-26.  
<http://dnr.wi.gov/lakes/plants/research/Nault%20et%20al%20Lakeline%2032-1-5.pdf>
4. Hauxwell, J. 2008. Stopping the spread: A proposed rule aims to identify, classify and control invasive species. *Lake Tides* 33:8. University of Wisconsin Extension Lakes Publication: <http://www.uwsp.edu/cnr/uwexlakes/laketides/vol33-4/Fall08LT.pdf>
3. Knight, S., J. Hauxwell. 2007. Raking in the data. *Lake Tides* 32: 10. University of Wisconsin Extension Lakes Publication - <http://www.uwsp.edu/cnr/uwexlakes/laketides/vol32-2/LTspring07.pdf>
2. Hauxwell, J., K. Wagner, and A. Mikulyuk. 2005. Whole-lake herbicide debate deserves a dose of science. *Lake Tides* 30: 1-4. University of Wisconsin Extension Lakes Publication - <http://www.uwsp.edu/cnr/uwexlakes/laketides/vol30-4/LTFall2005.pdf>
1. Hauxwell, J., C. Jacoby, T.K. Frazer, and J. Stevely. 2001. Nutrients and Florida's coastal waters: The links between people, increased nutrients, and changes to coastal aquatic systems. Florida Sea Grant publication (SGEB-55), Gainesville, FL.  
<http://nsgl.gso.uri.edu/flsgp/flsgpg01010.pdf>

#### *Administrative Programmatic Reports*

Responsible for soliciting individual project reports, summarizing and submitting programmatic reports to various funding agencies (USFWS, USGS, NOAA, Wisconsin State Legislature)

19. FY 2011-2015 University of Wisconsin Water Resources Institute 5-year Program Evaluation Report to USGS
18. FY 2017 University of Wisconsin Water Resources Institute Annual Technical Report to USGS
17. FY 2017 University of Wisconsin System Section of the Wisconsin Groundwater Coordinating Council Annual Report to the Legislature
16. FY 2016 University of Wisconsin Water Resources Institute Annual Technical Report to USGS
15. FY 2016 University of Wisconsin System Section of the Wisconsin Groundwater Coordinating Council Annual Report to the Legislature
14. FY 2015 University of Wisconsin Water Resources Institute Annual Technical Report to USGS
13. FY 2015 University of Wisconsin System Section of the Wisconsin Groundwater Coordinating Council Annual Report to the Legislature
12. FY 2014 University of Wisconsin Water Resources Institute Annual Technical Report to USGS
11. Hauxwell, J., M. Barton (eds). 2014. WDNR Fisheries and Aquatic Sciences Research Program 2012-2014 Biennial Report. 81 pp. DNR internal publication.  
[http://dnr.wi.gov/topic/wildlifehabitat/research/documents/FAHS\\_BiennialResearchReport\\_2013.2014.pdf](http://dnr.wi.gov/topic/wildlifehabitat/research/documents/FAHS_BiennialResearchReport_2013.2014.pdf)
10. Hauxwell, J., et al. FY 2014. Wisconsin Department of Natural Resources Federal Aid Projects - Fisheries and Aquatic Sciences Section Annual and Final Performance Reports for Sportfish Restoration. \$1.6 million.
9. Hauxwell, J., et al. FY 2013. Wisconsin Department of Natural Resources Federal Aid Projects - Fisheries and Aquatic Sciences Section Annual and Final Performance Reports for Sportfish Restoration. \$1.4 million.
8. Hauxwell, J., M. Barton (eds). 2012. WDNR Fisheries and Aquatic Sciences Research Program 2010-2012 Biennial Report. 165 pp. DNR internal publication.
7. Hauxwell, J., et al. FY 2012. Wisconsin Department of Natural Resources Federal Aid Projects - Fisheries and Aquatic Sciences Section Annual and Final Performance Reports for Sportfish Restoration. \$1.9 million.

6. Hauxwell, J., et al. FY 2011. Wisconsin Department of Natural Resources Federal Aid Projects - Fisheries and Aquatic Sciences Section Annual and Final Performance Reports for Sportfish Restoration. \$2.0 million.
5. Hauxwell, J., M. Balfour (ed). 2010. WDNR Fisheries and Aquatic Sciences Research Program 2009-2010 Biennial Report. 133 pp. DNR internal publication.
4. Hauxwell, J., et al. FY 2010. Wisconsin Department of Natural Resources Federal Aid Projects - Fisheries and Aquatic Sciences Section Annual and Final Performance Reports for Sportfish Restoration. \$1.7 million.
3. Hauxwell, J. (ed). 2009. WDNR Fisheries and Aquatic Sciences Research Section 2007-2008 Biennial Report. 103 pp. DNR internal publication.
2. Hauxwell, J., et al. FY 2009. Wisconsin Department of Natural Resources Federal Aid Projects - Fisheries and Aquatic Sciences Section Annual and Final Performance Reports for Sportfish Restoration. \$1.7 million.
1. Hauxwell, J., et al. FY 2008. Wisconsin Department of Natural Resources Federal Aid Projects - Fisheries and Aquatic Sciences Section Annual and Final Performance Reports for Sportfish Restoration. \$2.0 million.

*Thesis*

Hauxwell, J. 2000. Nutrient Supply and Grazing as Controls of Biomass and Community Structure of Benthic Macrophytes in Shallow Temperate Estuarine Ecosystems. Ph.D. Dissertation, Boston University, Boston, MA. Pp. 1-259.

**PRESENTATIONS** (bold indicates speaker)

*Program Administrative Overviews:*

**Hauxwell, J.** (26 June 2018). Wisconsin Sea Grant research and student engagement programming update. Wisconsin Sea Grant Advisory Council Meeting. Manitowoc, WI.

**Hauxwell, J.** (for S. Schooler) (9 May 2018). Research projects and opportunities at the Lake Superior National Estuarine Research Reserve. Water@UW-Madison Spring Symposium. UW-Madison, Madison, WI.

**Hauxwell, J.** (7 May 2018). Development process for Sea Grant's 10-year Water Resources Vision. Sea Grant 10-year Water Resources Visioning Meeting. National Water Center, Tuscaloosa, AL.

**Hauxwell, J., and D. Hart.** (2 March 2018). Sea Grant's role in supporting aquaculture in Wisconsin through research and outreach. Wisconsin Aquaculture Association Annual Meeting. Marshfield, WI.

**Hauxwell, J., and J. Hurley.** (16 February 2018). Review of State of Wisconsin Groundwater Research and Monitoring Proposals for State FY 2019. Groundwater Research Advisory Council. Middleton, WI.

**Hauxwell, J.** (16 February 2018). Update on FY19 State of Wisconsin Joint Solicitation for Groundwater Research and Monitoring Proposals. Wisconsin Groundwater Coordinating Council. USGS Water Science Center, Middleton, WI.

**Hauxwell, J.** (20 September 2017). Presentation of 2018-20 Wisconsin Sea Grant Student Engagement Program. Wisconsin Sea Grant Advisory Committee on Outreach and Education. Green Bay, WI.

**Hauxwell, J.** (19 September 2017). Presentation of 2018-20 Wisconsin Sea Grant Research Program. Wisconsin Sea Grant Advisory Council. UW-Madison, Madison, WI.

**Harrington, M., J. Hauxwell, T. Campbell.** (7 August 2017). Overview of Wisconsin Sea Grant. Institute for Journalism & Natural Resources "Great Lakes and the Federal Budget" Workshop for Journalists. UW-Milwaukee, Milwaukee, WI.

**Hauxwell, J., and J. Hurley.** (10 February 2017). Review of State of Wisconsin Groundwater Research and Monitoring Proposals for State FY 2018. Groundwater Research Advisory Council. Middleton, WI.

**Hauxwell, J.** (10 February 2017). Update on FY18 State of Wisconsin Joint Solicitation for Groundwater Research and Monitoring Proposals. Wisconsin Groundwater Coordinating Council. USGS Water Science Center, Middleton, WI.

**Hurley, J., J. Hauxwell, D. Hart, K. Kline, T. Xiong.** (16 December 2016). Informational webinar for prospective investigators: University of Wisconsin Sea Grant College Program's 2016-18 Request for Proposals. Madison, WI.

**Hauxwell, J.** (18 November 2016). Update on FY18 State of Wisconsin Joint Solicitation for Groundwater Research and Monitoring Proposals. Wisconsin Groundwater Coordinating Council. DATCP, Madison, WI.

**Hauxwell, J.** (6 October 2016). UW-Madison Aquatic Sciences Center research and student programming overview. UW-Madison Office of the Vice Chancellor for Research and Graduate Education - Centers Directors Meeting. Madison, WI.

**Hauxwell, J.** (23 September 2016). Incorporating actionable science into Wisconsin Sea Grant's 2017-20 Strategic Plan. Wisconsin Sea Grant Advisory Council Meeting. Milwaukee, WI.

**Hauxwell, J.** (16 September 2016). Incorporating actionable science for water managers into Wisconsin Sea Grant's 2017-20 Strategic Plan – Discussion session with state water managers. Wisconsin Department of Natural Resources Water Managers. Milwaukee, WI.

**Hurley, J., J. Hauxwell, N. Garber, J. Galkiewicz, J. Eckman.** (21 June 2016). Water resources fellowships at the local level: Using the Knauss Sea Grant Fellows Program as a template. University Council on Water Resources/National Institute for Water Resources Annual Water Resources Conference. Pensacola Beach, FL.

**Hauxwell, J.** (13 June 2016). Wisconsin Sea Grant student engagement programming update. Wisconsin Sea Grant Advisory Council Meeting. Stevens Point, WI.

**Hauxwell, J., and J. Hurley.** (26 February 2016). Review of State of Wisconsin Groundwater Research and Monitoring Proposals for State FY 2017. Groundwater Research Advisory Council. Middleton, WI.

**Hauxwell, J.** (26 February 2016). Update on FY17 State of Wisconsin Joint Solicitation for Groundwater Research and Monitoring Proposals. Wisconsin Groundwater Coordinating Council. USGS Water Science Center, Middleton, WI.

**Hauxwell, J., and J. Hurley.** (9 February 2016). Wisconsin Water Resources Institute – Highlights on building bridges between research and society. National Institute for Water Resources (NIWR) Annual Directors' Meeting. Hotel George, Washington, D.C.

**Hauxwell, J.** (20 November 2015). Update on FY17 State of Wisconsin Joint Solicitation for Groundwater Research and Monitoring Proposals. Wisconsin Groundwater Coordinating Council. DATCP, Madison, WI.

**Hauxwell, J., and S. King.** (15 December 2015). Science communications and exploring the “And, But, Therefore” approach to telling science stories. National Conservation Leadership Institute Team 21 webinar/conference call.

**Hauxwell, J.** (20 November 2015). Update on FY17 State of Wisconsin Joint Solicitation for Groundwater Research and Monitoring Proposals. Wisconsin Groundwater Coordinating Council. DAATCP, Madison, WI.

**Washburn, E., J. Hauxwell, and J. Schomberg.** (18 November 2015). The story behind the River Talk sponsors: What the heck is a National Estuarine Research Reserve and a Sea Grant? Wisconsin and Minnesota Sea Grant-sponsored River Talk Series. Barkers Island Grille, Superior, WI.

- Hauxwell, J. and A. Rao.** (16 September 2015). Wisconsin Sea Grant research and student engagement programming updates. Wisconsin Sea Grant Advisory Council. UW-Madison, Madison, WI.
- Foley, C. and J. Hauxwell.** (13 August 2015). Overview of Illinois-Indiana-Wisconsin Sea Grant 2016-18 Omnibus Competition. II-WI Joint Technical Review Panel. University of Wisconsin-Madison Campus, Goodnight Hall, Madison, WI. (webinar/conference call).
- Foley, C., V. Brady, J. Hauxwell.** (6 August 2015). Overview of Great Lakes Sea Grant 2016-18 Omnibus Competition. Great Lakes Social Science Review Panel. University of Wisconsin-Madison Campus, Goodnight Hall, Madison, WI. (webinar/conference call).
- Hauxwell, J.** (4 August 2015). Overview of Wisconsin Sea Grant's 2016-18 Omnibus Competition. Wisconsin Sea Grant College Program Technical Review Panel and Advisory Council. University of Wisconsin-Madison Campus, Goodnight Hall, Madison, WI.
- Hauxwell, J.** (18 May 2015). Moving toward actionable science in conservation. National Conservation Leadership Institute Cohort 9 Graduation. Grand Canyon Village, AZ.
- Hauxwell, J.** (11 May 2015). UW Aquatic Sciences Center – Overview and opportunities for you. Water@UWMadison – A Wisconsin Idea Symposium. Gordon Commons, UW-Madison, Madison, WI.
- Hauxwell, J.** (21 April 2015). Overview of Wisconsin Sea Grant's Research Program. Wisconsin Sea Grant College Program Site Review. University of Wisconsin-Madison Campus, Goodnight Hall, Madison, WI.
- Stewart, T., A. Duvall, M. Trollan, T. Wasley, C. Selberg, J. Hauxwell, R. Jacobson.** (9 April 2015). National Conservation Leadership Institute Cohort 9 Webinar – Dancing on the Edge.
- Hurley, J., J. Hauxwell, T. Liebmann, R. Dellinger, D. Hart, M. Harrington, V. Brady.** (26 March 2015). Prospective Investigators Meeting/Webinar – 2016-18 Minnesota-Wisconsin Sea Grant Omnibus Joint Request for Proposals. Madison, WI and Duluth, MN.
- Hurley, J., J. Hauxwell, T. Liebmann, R. Dellinger, D. Hart, M. Harrington.** (25 March 2015). Prospective Investigators Meeting - University of Wisconsin Sea Grant College Program's 2016-18 Omnibus Request for Proposals. Dejope Hall, Madison, WI.
- Hauxwell, J., and J. Hurley.** (19 February 2015). Review of State of Wisconsin Groundwater Research and Monitoring Proposals for State FY 2016. Groundwater Research Advisory Council. Middleton, WI.
- Hurley, J., J. Hauxwell, D. Hart, K. Schmitt Kline.** (15 December 2014). Informational webinar: University of Wisconsin Sea Grant College Program's 2016-18 Request for Proposals. Madison, WI.
- Hauxwell, J.** (15 September 2014). UW-Aquatic Sciences Center – Opportunities to expand your reach. UW Aquatic Sciences Center. Madison, WI.
- Hauxwell, J.** (28 April 2014). Fisheries and Aquatic Sciences Research updates and your future research needs. Wisconsin DNR Research Review Team. Science Operations Center. Madison, WI.
- Hauxwell, J.** (19 March 2014). Welcome to Science Services and Research Section overview. Wisconsin DNR Fisheries Management Orientation Training for New Employees. Madison, WI.
- Hauxwell, J.** (11 March 2014). Science Services updates and your future research needs. Wisconsin DNR Water Resources Statewide Meeting. UWSP Treehaven. Tomahawk, WI.
- Hauxwell, J.** (11 November 2013). Research priorities and process. Water Resources PMT, Woodruff, WI.
- Jennings, M. and J. Hauxwell.** (10 October 2012). WDNR Fisheries and Aquatic Sciences Research update – People, priorities, projects. WDNR Fisheries Biologists / Supervisors Meeting, Wausau, WI.

- Hauxwell, J.** (3 October 2012). WDNR Fisheries and Aquatic Sciences Research overview – People, priorities, projects. Water Quality Bureau New Employee Orientation, Kemp Station, WI.
- Hauxwell, J.** (2 October 2012). WDNR Fisheries and Aquatic Sciences Research overview – People, priorities, projects. Water Quality Bureau Policy and Management Team, Kemp Station, WI.
- Hauxwell, J.** (31 July 2012). WDNR Fisheries and Aquatic Sciences Research overview – People, priorities, projects. WDNR Research Review Team Meeting, Madison, WI.
- Hauxwell, J.** (8 February 2012). WDNR Fisheries and Aquatic Sciences Research overview and current projects. WDNR Water Quality Biologists' Annual Meeting, Treehaven, WI. **Invited talk.**
- Hauxwell, J.** (1 February 2012). The role of science in aquatic resource use and sustainability. University of Wisconsin-Madison Aquatic Sciences Center, Madison, WI. **Invited talk.**
- Hauxwell, J.** (16 November 2010). Overview of the WDNR Fisheries and Aquatic Sciences Research Program. MN DNR Fisheries Research Meeting, Duluth, MN. **Invited talk.**
- Hauxwell, J.** (29 September 2010). Overview of the WDNR Fisheries and Aquatic Sciences Research Program. WDNR Northern Region Fisheries Management Meeting, Cable, WI. **Invited talk.**
- Sullivan, J., J. Hauxwell, K. Martin, and colleagues.** (23 February 2010). Research and the role of research scientists at the Wisconsin DNR. Natural Resources Board meeting, Madison, WI.
- Hauxwell, J.** (21 January 2009). Overview of the Fisheries and Aquatic Sciences Research Program. Wisconsin DNR Fisheries Management Statewide Training Meeting, Wisconsin Dells, WI. **Invited talk.**
- Hauxwell, J.** (18 September 2008). WDNR Fisheries and Aquatic Sciences Research Program: Aquatic research to support fisheries and watershed management. Wisconsin DNR Fisheries Management Orientation Training, Woodruff, WI. **Invited talk.**
- Hauxwell, J.** (31 May 1995). Overview of the Waquoit Bay Land Margin Ecosystem Research Program for the Society of Wetland Scientists, Falmouth, MA.

#### *Research-Policy Presentations*

- Hauxwell, C. Voter, S. Brunner, and M. Polich.** (11 July 2017). Science-Policy partnerships – Increasing the impact of your research. Michigan Sea Grant Community-Engaged Research Institute. Bath, MI.
- Hauxwell, J., J. Carmichael, C. Voter, A. Bechle, A. Latzka, and S. Brunner.** (5 May 2017). Increasing your impacts: Making a difference through water science-policy fellowships (webinar for students). Madison, WI.
- Hauxwell, J., D. Hart, T. Seilheimer, G. Clark, A. Moser, and J. Carmichael.** (21 April 2017). Increasing your impacts: Making your research more meaningful for stakeholders – Our challenge to you (webinar for students). Madison, WI.
- Hauxwell, J.** (21 October 2016). Wisconsin Sea Grant student engagement programming update and listening session. UW-Milwaukee students and faculty. Milwaukee, WI.
- Mikulyuk, A., K. Wagner, D. Oele, J. Hauxwell.** (16 October 2014). What do the plants say? Assessing ecological impairment using aquatic macrophytes. Science in the Northwoods Conference. Minoqua, WI.
- Barton, M. A. Mikulyuk, M. Nault, K. Wagner, J. Hauxwell, S. Van Egeren, T. Asplund, J. Skogerboe, S. Jones, J. Leverance, S. Graham.** (January 9, 2014). Early season 2,4-D herbicide and deep harvesting treatment effects on Eurasian watermilfoil (*Myriophyllum spicatum*) and native macrophytes in Turville Bay, Lake Monona, Dane County, Wisconsin. Dane County Lakes and Watershed Commission Meeting, Madison WI.
- Barton, M., A. Mikulyuk, M. Nault, K. Wagner, J. Hauxwell, S. Van Egeren, T. Asplund, J. Skogerboe, S. Jones, J. Leverance, and S. Graham.** (18 November 2013). Early season 2,4-D herbicide and deep harvesting treatment effects on Eurasian watermilfoil (*Myriophyllum spicatum*) and native

macrophytes in Turville Bay, Lake Monona, Dane County, Wisconsin. Dane County Public Information Meeting, Madison, WI.

**Nault, M.,** M. Barton, J. Hauxwell, K. Wagner, and A. Mikulyuk. (7 March 2013). Utilizing science to guide APM in Wisconsin. Wisconsin DNR Biologists Meeting, Tomahawk, WI.

**Nault, M.,** M. Barton, K. Wagner, A. Mikulyuk, J. Hauxwell. (20 February 2013). Aquatic macrophyte research in Wisconsin. Annual Lakes Partnership Research Summaries. Wisconsin Lakes Partnership Meeting. Boulder Junction, WI.

**Nault, M.** and J. Hauxwell (18 September 2012). Results of Governor's Council Aquatic Plants and Algae Species Assessment Group for classifying 42 new or previously-classified "caution" species: Research & Regulations Committee. Wisconsin Invasive Species Council (WISC).

**Hauxwell, J.** (18 September 2012). WDNR Fisheries and Aquatic Sciences Research overview – People, priorities, projects. Fisheries Management Board, Fitchburg, WI.

**Nault, M.,** T. Asplund, J. Hauxwell, M. Barton, and J. Skogerboe. (28 March 2012). Evaluation of statewide AIS control projects. Eurasian watermilfoil research meeting, Rhinelander, WI.

**Nault, M.,** T. Asplund, J. Hauxwell, M. Barton, and J. Skogerboe. (22 February 2012). Herbicide concentration monitoring projects. Lake Technical Team Meeting, Stevens Point, WI.

**Nault, M.,** T. Asplund, J. Hauxwell, M. Barton, and J. Skogerboe. (14 February 2012). EWM research and herbicide treatment synthesis. APM Applicator Meeting, Oshkosh, WI.

**Nault, M.,** M. Barton, T. Asplund, J. Hauxwell., and J. Skogerboe. (19 January 2012). Herbicide treatment synthesis. Wisconsin Lake Partnership Meeting, Wausau, WI.

**Hauxwell, J., G. LaLiberte, M. Werner, and T. Asplund.** (28 September 2011). Blue-green algae in Wisconsin waters: cause and locations of blooms, Department monitoring program, ecology and ecological effects, and human health. Wisconsin Natural Resources Board, Kenosha, WI. (The NRB is comprised of 7 Governor-appointed members and sets policy for the Department of Natural Resources and exercises authority and responsibility in accordance with governing state statutes).

**Invited talk.**

**Mikulyuk, A.,** J. Hauxwell, M. Nault. (30 March 2011). Contrasting the effects of early-season harvesting and chemical treatment in Lake Monona (Madison, WI). Dane County Public Information Meeting, Madison, WI. **Invited talk.**

**Barton, M.,** K. Wagner, M. Nault, A. Mikulyuk, S. Van Egeren, J. Hauxwell, S. Knight, J. Skogerboe, T. Asplund. (10 February 2011). Evaluation of aquatic macrophyte research: Helping explain aquatic macrophyte community composition in Wisconsin. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes), Quarterly meeting, Wausau, WI. **Invited talk.**

**Wagner, K.,** M. Balfour, M. Nault, A. Mikulyuk, S. Van Egeren, J. Hauxwell, S. Knight, J. Skogerboe, T. Asplund. (10 February 2011). Evaluation of aquatic macrophyte research. Wisconsin Lakes Partnership Quarterly meeting in Wausau, WI. **Invited talk.**

**Nault, M.** J. Hauxwell, A. Mikulyuk, T. Asplund, J. Skogerboe, M. Balfour, S. Van Egeren, and K. Wagner. (10 February 2011). Long term trends in Eurasian watermilfoil populations and evaluation of statewide management projects. Wisconsin Lake Partnership Meeting, Wausau, WI.

**Wagner, K., M. Balfour, M. Nault,** A. Mikulyuk, S. Van Egeren, J. Hauxwell, S. Knight, J. Skogerboe, T. Asplund. (27 January 2011). Wisconsin DNR Statewide Watershed Biologists Meeting: Science Services aquatic macrophyte research. **Invited talk.**

**Nault, M.,** J. Hauxwell, A. Mikulyuk, T. Asplund, and J. Skogerboe. (20 January 2011). Evaluation of statewide Eurasian Watermilfoil control projects. Eurasian watermilfoil research meeting, Eau Claire, WI.

**Nault, M.,** J. Hauxwell, A. Mikulyuk, T. Asplund, and J. Skogerboe. (19 January 2011). Evaluation of statewide Eurasian watermilfoil control projects. Eurasian watermilfoil research meeting, Rhinelander, WI.

- Nault, M.,** J. Hauxwell, A. Mikulyuk, T. Asplund, and J. Skogerboe. (18 January 2011). Evaluation of statewide Eurasian watermilfoil control projects. Eurasian watermilfoil research meeting, Green Bay, WI.
- Wagner, K.,** M. Balfour, M. Nault, A. Mikulyuk, S. Van Egeren, J. Hauxwell, S. Knight, J. Skogerboe, T. Asplund. (27 January 2011). Science Services aquatic macrophyte research. Wisconsin DNR Statewide Water Quality Biologists Meeting in Tomahawk, WI. Invited talk
- Mikulyuk, A.,** J. Hauxwell, S. Van Egeren, M. Nault and M. Balfour. (1 November 2010). Predicting the invasion success of EWM: State of the science and current research. Aquatic Invasive Species Coordinator's Meeting, Stevens Point, WI. Invited Talk.
- Mikulyuk A.,** J. Hauxwell, S. Knight, M. Nault, S. Van Egeren and M. Balfour. (1 October 2010). Aquatic macrophyte research in the Northwoods. Science in the Northwoods Conference, Boulder Junction, WI. Available from [http://limnology.wisc.edu/Science\\_in\\_the\\_Northwoods.php](http://limnology.wisc.edu/Science_in_the_Northwoods.php)
- Mikulyuk, A., J. Hauxwell,** M. Nault, and S. Van Egeren. (24 September 2010). Predicting invasion success of Eurasian watermilfoil (and Curly-leaf pondweed) state of the science and current research. Workshop on Aquatic Plant Management Issues in the Upper Midwest, Lansing, MI. Hosted by the Michigan Dept. of Natural Resources and Environment (MI DNRE) / Sponsored by the US Army ERDC Water Operations Technical Support (WOTS) Program. **Invited talk.**
- Hauxwell, J.,** A. Mikulyuk, M. Nault, S. Knight, S. Van Egeren, M. Balfour, T. Asplund, and colleagues. (14 September 2010). Science to support natural resource management of aquatic invasive species. Aquatic Ecology and Human Impacts on Lake Ecosystems Session of the Wisconsin Lake Leaders Institute, Seminar II, Kemp Natural Resources Station, Woodruff, WI. **Invited talk.**
- Mikulyuk A.,** J. Hauxwell, S. Van Egeren, M. Nault and colleagues. (12 April 2010). Turville Bay Aquatic Plant Management Project: Research update. Dane County Public Information Meeting, Madison, WI. **Invited talk.**
- Nault, M.,** J. Hauxwell, A. Mikulyuk. (7 April 2010). Evaluation of statewide Eurasian watermilfoil control projects. Eurasian watermilfoil research meeting, Oshkosh, WI. **Invited talk.**
- Mikulyuk, A.,** J. Hauxwell, S. Knight, S. Van Egeren, M. Nault, P. Rasmussen, and colleagues. (2 March 2010). Overview of aquatic plant related research activities: monitoring, milfoil, and land use. Wisconsin DNR Watershed Biologists Statewide Training Meeting; Central Wisconsin Environmental Station, Amherst Junction, WI. **Invited talk.**
- Nault, M.,** A. Mikulyuk, and J. Hauxwell. (22 February 2010). Evaluation of statewide Eurasian watermilfoil projects. Wisconsin DNR Northern Region Eurasian Watermilfoil Research Meeting, Rhinelander, WI. **Invited talk.**
- Nault, M.,** J. Hauxwell, A. Mikulyuk, and M. Porzky. (15 October 2009): Evaluation of large-scale Eurasian watermilfoil control projects. Aquatic Invasive Species Statewide Fall Planning Meeting for State and County AIS Coordinators, Stevens Point, WI. **Invited talk.**
- Hauxwell, J.,** S. Knight, A. Mikulyuk, and M. Nault. (7 May 2009). Science to support natural resource management of aquatic invasive plants. Wisconsin DNR Fisheries Management Seminar Series, Madison, WI. **Invited talk.**
- Mikulyuk, A.,** and **M. Nault,** J. Hauxwell. (19 March 2009). Establishing a scientific framework for aquatic plant management in Wisconsin. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes), Wisconsin Lakes Convention, Green Bay, WI. **Invited talk.**
- Mikulyuk, A.,** J. Hauxwell, S. Knight, M. Nault. (12 March 2009). Summary of macrophyte results from an adaptive restoration project in Turville Bay, Lake Monona. Dane County Lakes and Watershed Committee Meeting, Madison, WI. **Invited talk.**
- Nault, M.,** A. Mikulyuk, and J. Hauxwell. (8 January 2009). Aquatic plant response to whole lake early season 2,4-D treatment in Bayfield County (Sandbar/Tomahawk). Wisconsin DNR Lakes Technical Team, Stevens Point, WI. **Invited talk.**

- Mikulyuk, A., M. Nault, and J. Hauxwell.** (8 January 2009). Aquatic plant response to early season 2,4-D treatment and harvesting in Dane County (Turville Bay, Monona). Wisconsin DNR Lakes Technical Team, Stevens Point, WI. **Invited talk.**
- Mikulyuk, A., J. Hauxwell, S. Knight, M. Nault.** (17 November 2008). Aquatic plant research program updates and future research directions. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes) Quarterly meeting, Oshkosh, WI. **Invited talk.**
- Mikulyuk, A., J. Hauxwell, M. Nault.** (15 October 2008). Science to inform management of Eurasian watermilfoil. Aquatic Invasive Species Statewide Idea Exchange for State and County AIS Coordinators, Stevens Point, WI. **Invited talk.**
- Wisconsin DNR Public Hearings for Proposed NR 40 – Invasive Species Classification, Identification, and Control Rule; Madison (**Cummings-Carlson and Flaherty**), Milwaukee (**Cummings-Carlson and Flaherty**), Green Bay (**Hauxwell and Flaherty**), La Crosse (**Horns and Flaherty**), Spooner (**Hauxwell and Flaherty**), and Wausau (**Hauxwell and Flaherty**), WI. (14-26 August 2008). NR 40: A proposed rule to minimize the spread of invasive species. Team members attending: P. Flaherty, J. Hauxwell, J. Cummings-Carlson, B. Horns, K. Kearns, T. Boos, and D. Matheys.
- Hauxwell, J.** (18 April 2008). Invasives beware: An overview of Wisconsin's (draft) invasive species rule – aquatic plants and algae. Wisconsin Lakes Convention; Green Bay, WI. **Invited talk.**
- Hauxwell, J.** (17 April 2008). Establishing a scientific framework for Eurasian watermilfoil management in WI and proposed invasive species rule NR 40. Wisconsin Lakes Convention, Green Bay, WI. **Invited talk.**
- Jones, S., J. Leverance, T. Asplund, J. Skogerboe, and J. Hauxwell.** (31 March 2008). Overview of an experiment to assess the efficacy and ecological effects of potential aquatic plant management approaches using early season herbicides and harvesting. Dane County Public Informational Meeting, Madison, WI. **Invited talk.**
- Mikulyuk, A., S. Knight, J. Hauxwell, P. Rasmussen, and M. Nault.** (23 January 2008). Statistical tools for analyzing effects of aquatic plant management: Automated stats tool, power analysis, and applications. Wisconsin DNR Lakes Technical Team, Stevens Point, WI.
- Kearns, K., J. Cummings-Carlson, T. Boos, J. Hauxwell, D. Matheys, R. Martin, B. Horns, and P. Flaherty.** (10-17 January 2008). Keeping Wisconsin: A proposed rule to minimize the spread of invasive species. Wisconsin DNR Staff and Public Listening Sessions for Proposed NR 40 – Invasive Species Classification, Identification, and Control Rule; Spooner, Rhinelander, Madison, Milwaukee, Green Bay, La Crosse, WI
- Hauxwell, J.** (17 October 2007). Results of the Invasive Species Assessment Group evaluations for aquatic plants and algae. Governor's Council on Invasive Species Meeting, Madison, WI. **Invited talk.**
- Jones, S., J. Leverance, T. Asplund, J. Skogerboe, J. Hauxwell.** (12 July 2007). Overview of an experiment to assess the efficacy and ecological effects of potential aquatic plant management approaches using early season herbicides and harvesting. Dane County Public Informational Meeting, Madison, WI. **Invited talk.**
- Hauxwell, J., S. Knight, A. Mikulyuk, K. Wagner, P. Rasmussen, and D. Ridgely.** (5 March 2007). Testing and implementing a statewide protocol for assessing aquatic plant communities in Wisconsin. Midwest Aquatic Plant Management Society, Milwaukee, WI. **Invited talk.**
- Hauxwell, J., A. Mikulyuk, M. Nault, K. Wagner, and S. Knight.** (26 February 2007). Science Services aquatic plant survey results by region and lake type. Wisconsin DNR Lakes Assessment Team Meeting, Madison, WI.
- Wagner, K., J. Hauxwell, S. Knight, A. Mikulyuk, and D. Ridgely.** (9 February 2007). Establishing a scientific framework for managing Eurasian watermilfoil in Wisconsin. Wisconsin Lakes



- Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes) Quarterly meeting, Wausau, WI.
- Wagner, K., J. Hauxwell, S. Knight, A. Mikulyuk, and D. Ridgely.** (7 February 2007). Establishing a scientific framework for managing Eurasian watermilfoil in Wisconsin. Wisconsin DNR Bureau of Science Services statewide meeting, Wisconsin Rapids, WI.
- Mikulyuk, A., J. Hauxwell, S. Knight, K. Wagner, P. Rasmussen, and D. Ridgely.** (7 February 2007) Testing and implementing a statewide protocol for assessing aquatic plant communities in Wisconsin. Wisconsin DNR Bureau of Science Services statewide meeting, Wisconsin Rapids, WI. (*awarded best presentation*)
- Hauxwell, J., A. Mikulyuk, K. Wagner, and S. Knight.** (8 January 2007). Overview of Science Services aquatic plant surveys. Wisconsin DNR Lakes Assessment Team Meeting, Madison, WI
- Hauxwell, J., S. Knight, K. Wagner, A. Mikulyuk, M. Nault.** (30 November 2006). Aquatic plant research – Accomplishments from the last biennium and potential research items for the next. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes) Quarterly meeting, Green Lake, WI. **Invited talk.**
- Hauxwell, J., **A. Mikulyuk**, S. Knight, K. Wagner. (28 September 2006). Overview of 2006 aquatic plant surveys. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes) Quarterly meeting, Hayward, WI. **Invited talk.**
- Hauxwell, J., A. Mikulyuk, K. Wagner, and **S. Knight.** (20 July 2006). A framework for studying Eurasian watermilfoil. Northern Regional Lakes Conference, An Evening with AIS Researchers, Minocqua, WI. **Invited talk.**
- Hauxwell, J., A. Mikulyuk, K. Wagner, and S. Knight.** (20 June 2006). Setting a framework for informed discussion of Eurasian watermilfoil's status, effects, and management. WI DNR / MN DNR / US Army Corps of Engineers Research Development Center. Aquatic Plant Management Technical Discussion: Aquatic Herbicides as a Restoration Tool. Fall Creek, WI. **Invited talk.**
- Hauxwell, J., S. Knight, A. Mikulyuk, K. Wagner, P. Rasmussen, and D. Ridgely.** (27 April 2006). Testing and implementing a statewide protocol for assessing aquatic plant communities in Wisconsin. Minnesota DNR / University of Minnesota, Meeting on the Ecology of Submersed Aquatic Plants, St. Paul, MN **Invited talk.**
- Hauxwell, J., A. Mikulyuk, K. Wagner, and S. Knight.** (27 April 2006) Setting a framework for informed discussion of Eurasian watermilfoil's status, effects, and management. Minnesota DNR / University of Minnesota, Meeting on the Ecology of Submersed Aquatic Plants, St. Paul, MN. **Invited talk.**
- Hauxwell, J., S. Knight, A. Mikulyuk, K. Wagner, P. Rasmussen, and D. Ridgely.** (13 April 2006). Baseline sampling of aquatic plants in WI lakes. Wisconsin Lakes Convention; Green Bay, WI. **Invited talk.**
- Hauxwell, J. and K. Wagner.** (22 March 2006). Magic potion for our lakes? Assessing the potential use of fluridone in the Madison chain of lakes. Dane County Board - Aquatic Plant Management Committee, Fitchburg, WI. **Invited speaker.**
- Cunningham, P., T. Asplund, and J. Hauxwell.** (9 March 2006). Development of an Eagle Lake management plan: managing milfoil with fish. WDNR Bureau of Fisheries and Habitat Protection Seminar Series, Madison, WI. **Invited speakers.**
- Hauxwell, J., A. Mikulyuk, P. Rasmussen, S. Knight, and K. Wagner.** (12 January 2006). Sampling effort analysis for baseline aquatic plant surveys – or, are all of those points *really* necessary? Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes) Quarterly meeting, Wausau, WI. **Invited talk.**
- Hauxwell, J. and K. Wagner.** (10 November 2005). Ecological effects of whole-lake chemical treatments for Eurasian watermilfoil. North American Lake Management Society, Madison, WI

- Hauxwell, J.**, S. Knight, A. Mikulyuk, K. Wagner, P. Rasmussen, and D. Ridgely. (27 October 2005). Results of 2005 statewide aquatic plant sampling using a new protocol. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes) Quarterly meeting, Holcombe, WI. **Invited talk.**
- Hauxwell, J.**, K. Wagner, A. Mikulyuk, and S. Knight. (27 October 2005). Results of Eurasian watermilfoil statewide survey. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes) Quarterly meeting, Holcombe, WI. **Invited talk.**
- Hauxwell, J.**, K. Wagner, and A. Mikulyuk. (28 October 2005). Ecological effects of whole-lake chemical treatments for Eurasian watermilfoil. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes) Quarterly meeting, Holcombe, WI. **Invited talk.**
- Hauxwell, J. and **K. Wagner**. (April 2005). Eurasian watermilfoil survey results for WI. Wisconsin Lakes Convention; Green Bay, WI. **Invited talk.**
- Hauxwell, J.** and K. Wagner. (24 March 2005). Ecological effects of whole-lake chemical treatments: review of existing data. Division of Ecological Services, MN DNR, Winter Aquatic Plant Meeting, St. Paul, MN. **Invited talk.**
- Hauxwell, J.** and K. Wagner. (16 and 17 December 2003). Ecological effects of whole-lake chemical treatments for Eurasian watermilfoil. Wisconsin Department of Natural Resources, Bureau of Fisheries Management and Habitat Protection, Aquatic Plant Management / Industry Meeting; Wisconsin Dells, WI. **Invited talk.**
- Hauxwell, J.**, M. Steinhardt, and K. Wagner. (16 December 2003). Comparison of methodologies for statewide aquatic plant sampling: transect vs point-intercept design? Wisconsin Department of Natural Resources, Bureau of Fisheries Management and Habitat Protection, Aquatic Plant Management Meeting, Wisconsin Dells, WI. **Invited talk.**
- Osenberg, C.**, J. Hauxwell, and T. Frazer. (December 2002). Effect of competition and herbivory on restoration of a native macrophyte (*Vallisneria americana*). St. Johns River Water Management District, FL.

#### *Invited Seminars/Lectures*

- Mikulyuk, A.**, K. Wagner and J. Hauxwell. (12 December 2012). Using aquatic macrophytes to assess lake biotic integrity. Presentation at Limnology and Marine Sciences Seminar Series, Center for Limnology, Madison WI.
- Hauxwell, J.**, S. Knight, A. Mikulyuk, and M. Nault. (19 March 2009). Controlling and managing aquatic invasive species. Wisconsin Lakes Partnership (Wisconsin DNR, University of Wisconsin Extension, and Wisconsin Association of Lakes), Wisconsin Lakes Convention, Green Bay, WI. **Invited plenary.**
- Hauxwell, J.** (11 December 2008). Science to support natural resource management of aquatic ecosystems. University of Wisconsin-Madison, Limnology course guest lecture, Madison, WI **Invited course lecture (165 students).**
- Hauxwell, J.** (27 January 2006). Effects of nutrients and invasive plants on primary production in coastal and inland aquatic systems: patterns, processes, and management. Michigan State University, Department of Fisheries and Wildlife Seminar; Lansing, MI. **Invited seminar.**
- Hauxwell, J.** (17 January 2006). Effects of nutrients and invasive plants on primary production in coastal and inland aquatic systems: patterns, processes, and management. Grand Valley State University, Department of Biology Seminar; Allendale, MI. **Invited seminar.**
- Hauxwell, J.** (17 January 2006). Science to support natural resource management of aquatic ecosystems. Grand Valley State University, Introduction to Natural Resource Management course (NRM 150) guest lecture; Allendale, MI. **Invited course lecture.**

- Hauxwell, J.** (23 February 2004). Effects of nutrients and invasive plants on primary production in coastal and inland aquatic systems: detecting patterns and understanding processes. Michigan State University, Department of Plant Biology Seminar, Lansing, MI. **Invited seminar.**
- Hauxwell, J.** (2 June 2003). Relationship between land-derived nutrient loads and primary production in coastal and inland waters: patterns and processes. United States Geological Survey, Upper Midwest Environmental Sciences Center, Aquatic Sciences Branch Seminar, La Crosse, WI. **Invited seminar.**
- Hauxwell, J.** (21 February 2002). Relationship between land-derived nutrient loads and seagrass loss in temperate estuaries: patterns and processes. Wisconsin Department of Natural Resources, Bureau of Integrated Science Services; 2002 Research Seminar Series, Monona, WI. **Invited seminar.**
- Hauxwell, J.** (31 January 2002). Global alterations to primary production in nearshore environments: a result of anthropogenic nutrient loading from watersheds to estuaries. University of Wisconsin, Department of Botany Colloquium, Madison, WI. **Invited seminar.**
- Hauxwell, J., J. Cebrian, and I. Valiela.** (10 January 2002). Macroalgal canopies contribute to eelgrass (*Zostera marina*) decline in temperate estuaries. Maryland Department of Natural Resources; Workshop on "Understanding the Role of Macroalgae in Shallow Estuaries;" Maritime Institute, Linthicum, MD. **Invited talk.**
- Hauxwell, J.** (8 August 2001). Global alterations to primary production in nearshore environments: a result of anthropogenic nutrient loading from watersheds to coastal waters. Oregon State University, College of Oceanic and Atmospheric Sciences Seminar, Corvallis, OR. **Invited seminar.**
- Hauxwell, J.** (20 March 2001). Relationship between land-derived nutrient loads and seagrass loss in temperate estuaries: Patterns, processes, and management implications. University of Florida, Department of Zoology Seminar, Gainesville, FL. **Invited seminar.**
- Hauxwell, J.** (9 September 2000). Relationship between land-derived nutrient loads and seagrass loss in temperate estuaries: Patterns, processes, and management implications. University of Florida, Department of Fisheries and Aquatic Sciences Seminar, Gainesville, FL. **Invited seminar.**
- Hauxwell, J.** (28 July 2000). Nutrient supply and grazing as controls of biomass and community structure of benthic macrophytes in shallow temperate ecosystems. Boston University Dissertation Defense, Marine Biological Laboratory, Woods Hole, MA.
- Hauxwell, J.** (8 May 2000). Nitrogen supply and grazing as controls of benthic macrophyte community structure in estuarine ecosystems. Boston University Marine Program Seminar, Marine Biological Laboratory, Woods Hole, MA.
- Hauxwell, J.** (1995, 1996, 1997, 1998). Interaction between grazing and nutrient controls of seaweed biomass and community structure in Waquoit Bay. Boston University Marine Program Seminar, Marine Biological Laboratory, Woods Hole, MA.

#### *Scientific Conference Presentations*

- Mikulyuk, A.,** Wagner, K., Hauxwell, J. (November 2012). Assessing impairment in aquatic macrophytes considering environmental and spatial constraints. North American Lake Management Society Meeting, Madison, WI.
- Barton, M.,** Alison Mikulyuk, and Michelle Nault, John Skogerboe, Kelly Wagner, Jennifer Hauxwell, and Scott Van Egeren. (30 October 2012). Chemical and mechanical treatments on Eurasian Watermilfoil abundance: Implications for management. The Upper Midwest Invasive Species Conference (UMISC). La Crosse, WI.
- Nault, M.,** J. Skogerboe, T. Asplund, J. Hauxwell, and M. Barton. (30 October 2012). Evaluation of herbicide applications for control of Eurasian watermilfoil (*Myriophyllum spicatum*). The Upper Midwest Invasive Species Conference (UMISC), La Crosse, WI.

- Wagner, K.,** A. Mikulyuk, S. Van Egeren and J. Hauxwell. (29 October 2012). Availability of aquatic invasives through the live plant trade and landscape risk. The Upper Midwest Invasive Species Conference (UMISC), La Crosse, WI.
- Nault, M.** and J. Hauxwell (22 October 2012). Aquatic plant and algae species assessment group (SAG) recommended NR40 rankings. The Wisconsin Council on Invasive Species in Fitchburg, WI.
- Wagner, K.,** A. Mikulyuk, S. Van Egeren and J. Hauxwell. (October 2012). Availability of aquatic invasives through the live plant trade and landscape risk. The Upper Midwest Invasive Species Conference (UMISC). La Crosse, WI.
- Nault, M.,** T. Asplund, J. Hauxwell, M. Barton, and J. Skogerboe. (28 February 2012). Effects of whole lake early season 2,4-D on Eurasian Watermilfoil (*Myriophyllum spicatum*). Midwest Aquatic Plant Management Society Meeting, Milwaukee, WI.
- Nault, M.,** T. Asplund, J. Hauxwell, M. Barton, and J. Skogerboe. (27 February 2012). What we're learning from herbicide residual monitoring following treatments for Eurasian Watermilfoil (*Myriophyllum spicatum*) in Wisconsin. Midwest Aquatic Plant Management Society Meeting, Milwaukee, WI.
- Mikulyuk, A.,** J. Hauxwell, M. Nault, S. Van Egeren. (9 November 2010). Contrasting the effects of early-season harvesting and chemical treatment in Lake Monona (Madison, WI). Minnesota-Wisconsin Invasive Species Conference, St. Paul, MN.
- Nault, M.,** J. Hauxwell, A. Mikulyuk, M. Nault and S. van Egeren. (9 November 2010). Effects of whole-lake early season 2,4-D on Eurasian watermilfoil (*Myriophyllum spicatum*). Minnesota-Wisconsin Invasive Species Conference, St. Paul, MN.
- Van Egeren, S.,** J. Hauxwell, A. Mikulyuk and M. Nault. (9 November 2010). Invasion trajectories and population trends of Eurasian watermilfoil (*Myriophyllum spicatum*) in Wisconsin. Minnesota-Wisconsin Invasive Species Conference, St. Paul, MN.
- Balfour, M.,** J. Hauxwell, A. Mikulyuk, M. Nault and S. Van Egeren. (9 November 2010). Invasive aquatic species on our door step: The need for vigilant neighbors. Minnesota-Wisconsin Invasive Species Conference, St. Paul, MN.
- Hauxwell, J.,** S. Knight, A. Mikulyuk, and M. Nault. (13 July 2009). Science to support natural resource management of aquatic invasive plants. National Aquatic Plant Management Society Meeting, Milwaukee, WI. **Invited talk.**
- Hauxwell, J.,** S. Knight, A. Mikulyuk, K. Wagner, P. Rasmussen, and D. Ridgely. (10 November 2006). Testing and implementing a statewide protocol for assessing aquatic plant communities in Wisconsin. North American Lake Management Society, Indianapolis, IN.
- Hauxwell, J.,** S. Knight, A. Mikulyuk, K. Wagner, P. Rasmussen, and D. Ridgely. (8 June 2006). Testing and implementing a statewide protocol for assessing aquatic plant communities in Wisconsin. American Society of Limnology and Oceanography, Victoria, B.C.
- Hauxwell, J.** North American Lake Management Society, Madison, WI (9 and 10 November 2005): Moderator, Aquatic Invasive Plants sessions I, IV, and V.
- Canny, L.,** M. Bozek, J. Hauxwell, and K. Wagner. (15 September 2005). Response of macrophytes to human perturbation in Wisconsin lakes. American Fisheries Society; Anchorage, AK.
- Canny, L.,** M. Bozek, J. Hauxwell, and K. Wagner. (14 December 2004). Response of macrophyte communities to human development. Midwest Fish and Wildlife Conference, Indianapolis, IN
- Cebrian, J.,** and J. Hauxwell. (June 2004). Phytoplankton-macroalgae interactions at high levels of anthropogenic eutrophication: Does intense water-column shading often lead to macroalgal decline? American Society of Limnology and Oceanography, Savannah, GA.
- Hauxwell, J.** and K. Wagner. (8 March 2004). Ecological effects of whole-lake chemical treatments of Eurasian watermilfoil. Midwest Chapter of the Aquatic Plant Management Society, Chicago, IL. **Invited talk.**

- Hauxwell, J., **C. Osenberg**, and T. Frazer. (21 August 2002): Effect of competition and herbivory on restoration of a native macrophyte (*Vallisneria americana*). American Fisheries Society, Baltimore, MD.
- Hauxwell, J., **C. Osenberg**, and T. Frazer. (5 August 2002): Effect of competition and herbivory on restoration of a native macrophyte (*Vallisneria americana*) in a spring-fed estuary. Ecological Society of America, Tucson, AZ.
- Hauxwell, J.**, C. Osenberg, and T. Frazer. (8 November 2001). Effect of competing primary producers and herbivory on success of transplants of a native macrophyte (*Vallisneria americana*) in Kings Bay, FL, USA. Estuarine Research Federation, St. Pete Beach, FL.
- Hauxwell, J.**, J. Cebrian, and I. Valiela. (30 September 1999). Effect of macroalgal shading on eelgrass production: understanding eelgrass decline associated with eutrophication. Estuarine Research Federation, New Orleans, LA.
- Hauxwell, J.**, J. Cebrian, and I. Valiela. (1 February 1999): Effect of macroalgal shading on eelgrass biomass and growth: understanding eelgrass decline associated with eutrophication. American Society of Limnology and Oceanography; Sante Fe, NM. **Invited talk.**
- Hauxwell, J.**, J. Cebrian, and I. Valiela. (23 October 1998). Effect of macroalgal shading on eelgrass biomass and growth: understanding eelgrass decline associated with eutrophication. New England Estuarine Research Society, Falmouth, MA.
- Hauxwell, J.**, J. McClelland, P. Behr, and I. Valiela. (13 October 1997). Relative importance of grazing and nutrient controls of macroalgal biomass in three temperate shallow estuaries. Estuarine Research Federation, Providence, RI.
- Hauxwell, J.**, J. McClelland, P. Behr, and I. Valiela. (4 April 1997). Relative importance of grazing and nutrient controls of macroalgal biomass in three temperate shallow estuaries. Benthic Ecology Meeting, Portland, ME.
- Hauxwell, J.** and I. Valiela. (August 1993). Top-down and bottom-up controls of macroalgal biomass in Waquoit Bay. General Scientific Meeting of the Woods Hole Marine Biological Laboratory, Woods Hole, MA.

#### Posters

- Wagner, K.I.**, A. Mikulyuk, S. Van Egeren, J. Hauxwell. (3 June 2014). Landscape risk assessment of invasive aquatic plants in southeast Wisconsin ponds. Invited poster presentation. Great Lakes Briefs on Invasive Organisms Traded in Commerce, Milwaukee, WI.
- Wagner, K.I.**, C. Seeley-Schreck, A. Mikulyuk, S. Van Egeren, J. Hauxwell. (25 April 2014). Aquatic plants in trade: reducing the retail availability of invasives in Wisconsin. Poster presentation. Wisconsin Lakes Convention, Steven's Point, WI.
- Barton, M.**, M. Nault, A. Mikulyuk, K. Wagner, and J. Hauxwell. Early season 2,4-D herbicide and harvesting treatment effects on Eurasian watermilfoil in Turville Bay Lake Monona, Dane County. Poster Presentation. 2014 Wisconsin Lakes Convention. Steven's Point, WI. April 25, 2014.
- Nault, M.**, M. Barton, A. Mikulyuk, K. Wagner, and J. Hauxwell. (25 April 2014). Capturing a decade of aquatic plant research in Wisconsin. Poster Presentation. 2014 Wisconsin Lakes Convention, Steven's Point, WI.
- Frater, P.**, M. Nault, M. Barton, A. Mikulyuk, K. Wagner, and J. Hauxwell. (25 April 2014). Long-term trends in statewide Eurasian watermilfoil populations. Poster Presentation. 2014 Wisconsin Lakes Convention, Steven's Point, WI.
- Barton, M.**, A. Mikulyuk, J. Hauxwell, M. Nault, S. Van Egeren, T. Asplund, S. Graham, S. Jones, J. Leverance, and J. Skogerboe. (10 April 2013). Early season 2,4-D herbicide and harvesting treatment effects on Eurasian watermilfoil in Turville Bay – Lake Monona, Dane County. 2013 Wisconsin Lakes Partnership Convention, Green Bay, WI.

- Barton, M.,** A. Mikulyuk, J. Hauxwell, M. Nault, S. Van Egeren, T. Asplund, S. Graham, S. Jones and J. Leverance, J. Skogerboe. (1 March 2013). Early season 2,4-D herbicide and harvesting treatment effects on Eurasian watermilfoil in Turville Bay – Lake Monona, Dane County. Poster presented at WDNR Science Services Open House, Madison, Wisconsin.
- Nault, M.,** M. Barton, J. Hauxwell, A. Mikulyuk, K. Wagner, J. Skogerboe. (1 March 2013). Science to support strategic investment in invasives prevention & management. Poster presented at WDNR Science Services Open House, Madison, Wisconsin.
- Barton, M.,** A. Mikulyuk, J. Hauxwell, M. Nault, S. Van Egeren, T. Asplund, S. Graham, S. Jones, J. Leverance and John Skogerboe. November 2012. Early season 2,4-D herbicide and harvesting treatment effects on Eurasian watermilfoil in Turville Bay – Lake Monona, Dane County. Poster presented at North American Lake Management Society, Yahara Lakes Special Session. Madison, Wisconsin.
- Hauxwell, J., **A. Mikulyuk, M. Nault** and S. Knight. (February 2009). Aquatic plant monitoring & research. Wisconsin DNR Statewide Integrated Science Services Bureau Meeting, Rothschild, WI. Poster Session.

### **PROFESSIONAL GRANTS RECEIVED**

#### **Total as PI or Co-PI on research projects through FY18 = \$2.9 million**

- Principal Investigator on ongoing project – *Wisconsin Sea Grant Student Engagement Programming*, funded through the NOAA 2018-21 University of Wisconsin Sea Grant College Program Omnibus – ELWD-09 – MSN213754 (2/1/18-1/31/21). \$59k.
- Principal Investigator on ongoing project – *Wisconsin Sea Grant Research and Student Engagement Initiative*, funded through the NOAA 2014-17 University of Wisconsin Sea Grant College Program Omnibus – ELWD-09 – MSN169944 (2/1/16-1/31/19). \$145k.
- Principal Investigator on ongoing project - *Wisconsin Water Resources Fellowship: Collaborating with Water Managers*, funded through the USGS State Water Resources Research Institute Program’s 104B Grant Application – MSN193564 (3/1/16-2/28/18). 61\$k.
- Co-Principal Investigator (Hurley and Hauxwell) on ongoing project – *Advancing Wisconsin Sea Grant’s Research and Student Engagement Programming*, funded through the NOAA 2014-17 University of Wisconsin Sea Grant College Program Omnibus – HCE-27 – MSN169944 (2/1/15-1/31/18). \$46k.
- Principal Investigator on ongoing project – *USGS Internships-Wisconsin Water Sciences Center*, funded by USGS – MSN204255 (6/5/17-6/4/18). \$32k.
- Principal Investigator on ongoing project – *Wisconsin Sea Grant-Coastal Management FY18 Keillor Fellowship-Bechle*, funded by Wisconsin Department of Administration – MSN208774 (6/27/17-7/31/18). \$67k.
- Principal Investigator on project – *Wisconsin Sea Grant-Coastal Management Keillor Fellowship*, funded by Wisconsin Department of Administration – MSN199896 (7/1/16-7/31/17). \$34k.
- Principal Investigator on project – *Wisconsin Water Science-Policy Fellowship*, funded by Wisconsin Department of Natural Resources – MSN201771 (12/23/16-7/31/17). \$33k.
- Co-Principal Investigator (Hurley and Hauxwell) on project - *Wisconsin Water Resources Fellowship: Collaborating with Water Managers*, funded through the USGS State Water Resources Research Institute Program’s 104B Grant Application – MSN142717 (3/1/15-2/29/16). 39\$k.
- Co-Principal Investigator (Hauxwell, Wilkinson, Mikulyuk, Wagner, Van Egeren) on project – *Reducing Invasive Live Organisms in Trade in Great Lakes Watersheds*, funded by the US EPA Great Lakes Restoration Initiative (2011-2014). \$385k.
- Principal Investigator on project at Wisconsin DNR - *Strategic Long-term Monitoring of Lakes Infested with Eurasian Watermilfoil: Effects of Region and Management*, funded by DNR Water Division, Bureau of Water Quality (6/07-6/14). \$72-92k/yr. (\$596k total through FY14).

Principal Investigator on project at Wisconsin DNR - *Baseline Monitoring for Aquatic Plant in Lakes - Protocol Implementation and Building a Representative Lakes Database*, funded by DNR Water Division, Bureau of Water Quality. (6/07-6/14) - \$41-\$48k/yr.; (6/14-6/15) - \$9k (\$324k total).

Co-Principal Investigator on project at Wisconsin DNR – *Implementation and Interpretation of Lakes Assessment Data for the Upper Midwest*, funded by the US EPA (7/05-9/08). \$184k.

Principal Investigator on project at Wisconsin DNR - *Aquatic Plant Sampling of the EPA’s National Lakes Program*, funded by EPA through the DNR Water Division, Bureau of Water Quality (6/07-6/08). \$41k.

Principal Investigator on project at Wisconsin DNR - *Managing Lakes Infested with Eurasian Watermilfoil in Wisconsin: Understanding the Factors Driving Abundance*, funded by DNR Water Division, Bureau of Fisheries Management and Habitat Protection and Watershed Management (6/05-6/07). \$56k/yr. (\$112k total).

Principal Investigator on project at Wisconsin DNR - *Baseline Sampling of Aquatic Plants*, funded by DNR Water Division, Bureaus of Fisheries Management and Habitat Protection and Watershed Management (6/06-6/08). \$37k/yr. (\$74k total).

Principal Investigator on project at Wisconsin DNR - *Effect of Watershed Land Use and Lakeshore Development on Aquatic Plant Communities: Proposal to Evaluate the Potential Use of the Floristic Quality Index as a Monitoring Tool for Small Lakes in Wisconsin*, funded by the Wisconsin DNR, Water Division, Bureau of Fisheries Management and Habitat Protection (6/03-6/07). \$226k.

Principal Investigator on project at Wisconsin DNR - *Use of Diatoms and Plants for Nutrient Assessment in Depressional Wetlands*, funded by the US EPA Region V (2/03-9/04). \$50k.

Co-Principal Investigator on completed project at Wisconsin DNR - *Wetland Monitoring Methods Phase 2: Evaluating and Integrating Assessment Methods*, funded by the US EPA Region V (9/01-9/03). \$20k.

Co-Principal Investigator on project with Craig Osenberg (UF Zoology) and Tom Frazer (UF Fisheries and Aquatic Sciences) - *Pilot Lyngbya Removal and Revegetation Project*, funded by the Southwest Florida Water Management District (10/01-3/03). \$163k.

National Research Proposals Funded during Graduate Degree:

- U.S. Environmental Protection Agency STAR Graduate Fellowship (1998-2000) – approx. \$100k
- U.S. National Oceanic and Atmospheric Administration National Estuarine Research Reserve Graduate Fellowship (1997-1998) – approx. \$50k

### **PROFESSIONAL GRANTS ADMINISTERED**

**Total as DNR Section Chief or UW ASC Assistant Director through FY18 = \$22.9 million across 158 research projects.**

### **PROFESSIONAL HONORS**

Discretionary Merit Award recipient (2018)

Coauthor of paper in *Lake and Reservoir Management* nominated for the *James LaBounty Best Paper Award* by the North American Lake Management Society (2017)

Nominee from Wisconsin DNR and accepted as a National Conservation Leadership Institute Fellow (2014-15)

Senior author of paper in *Lake and Reservoir Management* nominated for the *James LaBounty Best Paper Award* by the North American Lake Management Society (2014)

Discretionary Merit Award recipient (2013 and 2014) – awarded to 10% of agency nominees

WDNR Secretary’s PRIDE award in the Excellence in Leadership category – nominated by section staff, award recognizes an individual for their leadership in furthering the DNR’s mission through “big-picture thinking, communicating a vision, strategic thinking, effective decision-making,

building trust, managing conflict, promoting diversity, fostering innovation and advocating change.” (2012)

Rebecca Wallace Award Nominee (2012) - Award presented by the Wisconsin Natural Resources Board and recognizes an individual “who makes the greatest contribution toward the improvement of relationships with external partners, mentors other staff, and exhibits a healthy balance between their personal and professional life.”

WDNR Secretary’s PRIDE award Special Mention recipient in the Team category for involvement on DNR’s Invasive Species Team (“created in 2004, this cross-divisional team effectively guided and organized the agency’s efforts on invasive species”) (2011)

Invited to serve as an expert panel member for “The Scientific Forum on the Yahara Lakes,” hosted by the Clean Lakes Alliance, and coordinated by Steve Carpenter, recipient of 2011 Stockholm Water Prize (prestigious water science award).

Senior author of paper in *Lake and Reservoir Management* nominated for the *James LaBounty Best Paper Award* by the North American Lake Management Society (2010)

Selected for the Department of Natural Resources Leadership Academy (2008-2009)

Senior author of paper in *Lake and Reservoir Management* selected as Best Journal Article of the Year (2006-2007) by the North American Lake Management Society (2007)

Recipient of the Steven Serns Excellence in Research Award from the WDNR Bureau of Science Services (2007)

Dane County Water Champions Award (2007)

Graduate Degree Honors:

EPA STAR Fellow (1998-2000)

NOAA NERR Fellow (1997-1998)

Invited to attend Dissertation Initiative for the Advancement of Limnology and Oceanography (DIALOG) IV Symposium for recent Ph.D. recipients (Bermuda Biological Station, October 2001), a program co-sponsored by the American Society of Limnology and Oceanography and Whitman College, and supported by the U.S. NSF, NASA, NOAA, Office of Naval Research, and the European Commission

Ablon Bay Foundation Scholarship (1998)

QLF/Atlantic Center for the Environment Sounds Conservancy Grant Award (1997)

Waquoit Bay Fellowship (1996-1998)

Arthur G. Humes Alumni Award (1995)

### **PROFESSIONAL FELLOWSHIP OPPORTUNITIES CREATED**

Wisconsin Water Resources Science-Policy Fellowship (Carolyn Voter, 2015; Dr. Alex Latzka, 2016; Dr. Stephanie DeVries and Francisco Guerrero-Bolaño, 2018)

Wisconsin Sea Grant-Coastal Management Keillor Science-Policy Fellowship (Dr. Adam Bechle, 2016; Dr. Yi Liu, 2018)

Wisconsin Keillor Great Lakes Fisheries Fellowship (Dr. Elizabeth Tristano, 2018)

### **ADDITIONAL SCIENTIFIC CONTRIBUTIONS/SERVICE**

Oversight committee and team memberships:

Sea Grant Water Resources 10-Year Visioning topic co-lead to develop white paper outlining Sea Grant’s role and future opportunities for addressing the Nation’s water resources needs (2017-2018)

University of Wisconsin-Madison Nelson Institute – Water Resources Management Program 10-year Review Committee (2017)

Water @ University of Wisconsin-Madison – Executive Committee Member-at-Large (2017-present); Steering Committee (2014-2017); planning committee and panel discussion member for *2015 Water@UWMadison – A Wisconsin Idea Symposium*, planning committee member



for 2016 *Water@UW-Madison Poster Session*, planning committee member for 2017 *Water@UW-Madison – A Wisconsin Idea Symposium*, planning committee co-lead for 2018 *Water@UW-Madison Spring Symposium – Connecting People and Water Scholarship through Better Communication-On Campus and Beyond*

Lake Superior National Estuarine Research Reserve Advisory Board (2014-present)

UW-Madison Sea Grant Advisory Council (2013-2014)

Wisconsin Fisheries Advisory Council (2014)

Association of Fish & Wildlife Agencies (AFWA) Climate Change Standing Committee (2014)

Association of Fish & Wildlife Agencies (AFWA) Science & Research Standing Committee (2014)

Co-chair, North American Lake Management Society 2012 Meeting Program Committee

Member, North American Lake Management Society 2012 Meeting Host Committee

Member of the planning committee and session moderator for 2<sup>nd</sup> and 3<sup>rd</sup> Science in the Northwoods Conference, Boulder Junction, WI; September 29-October 1, 2010 and October 15-17, 2014. Sponsors included UW Center for Limnology, US Forest Service, USGS, UW-Extension, and WDNR.

Member of Wisconsin Initiative on Climate Change Impacts (WICCI) Water Resources work group (2009-present), reviewer of Wisconsin's first assessment report (2010)

Member of Wisconsin Initiative on Climate Change Impacts (WICCI) Coldwater Fisheries work group (2008-2014)

Member of Governor's Council on Invasive Species Research Subcommittee (2004-2010)

Leader (2007) and Co-leader (2012) of the Aquatic Plants and Algae Species Assessment Group for the Governor's Council on Invasive Species, charged with reviewing potential species invasivity for WI and facilitating regulatory designations from a group of technical experts and stakeholders (2007-present; formal meetings 26 September 2007, 20 November 2007, and April 24, 2012)

Member of Wisconsin DNR Fisheries Management Board responsible for setting statewide policy on research, regulations, stocking, habitat improvement, etc. related to fisheries (2008-2014)

Member of Wisconsin DNR Water Resources Bureau Policy and Management Team responsible for setting statewide policy on water quality management issues (2008-2014)

Member of Wisconsin DNR Science Services Core Management Team responsible for coordinating statewide research activities (2008-2014)

Member of Wisconsin DNR Invasive Species Team (2003-2010)

Member of Wisconsin DNR Invasive Species Rule Work Group (2007-2010)

Member of Wisconsin DNR Water Division Monitoring Team responsible for coordinating statewide aquatic monitoring activities (2008-2011)

Member of the Wisconsin DNR Aquatic Invasive Species Investment Team, charged with strategically distributing \$4 million annually for AIS prevention, education, and control (2007-2010)

Member of Wisconsin DNR Water Division Lakes and Baseline Monitoring Subteams (2001-2005)

Member of Wisconsin DNR Lakes Partnership (2001-2014)

Member of Wisconsin DNR Lakes Technical Team (2005-2009)

Member of Wisconsin DNR Lakes Monitoring Technical Team (2009-2010)

Member of Wisconsin DNR Urban Fishing Team (2007-2010)

Member of Wisconsin DNR Science Services Climate Change Science Team (2007-2009)

Member of North American Lake Management Society 2005 conference program committee (2004-2005)

Moderator of 3 sessions on invasive aquatic plant management at the North American Lake Management Society 2005 conference (2005)  
Member of University of Wisconsin Environmental Remote Sensing Center Advisory committee (for water quality issues) (2001-2004)  
Invited member of Kings Bay Restoration Work Group coordinated by the Southwest Florida Water Management District (2000-2001)

Graduate Committees:

Member of the University of Wisconsin-Madison Water Resources Management interdisciplinary faculty committee for Evaluation and Guidance conference for Master's student (Jack Cotrone) in the Nelson Institute (2018)  
Member of Graduate Committee for University of Wisconsin-Madison Doctoral student (Alison Mikulyuk) in the Department of Zoology, Center for Limnology (2012-2017)  
Coadvisor of University of Wisconsin - Stevens Point Master's student (Laura Sass) in the Department of Natural Resources - Fisheries (2004-2007)  
Coadvisor of University of Wisconsin - Stevens Point Master's student (Andrea Kral) in the Department of Natural Resources - Fisheries (2003-2004)  
Member of Graduate Committee for University of Florida Master's student (Stephanie Keller) in the Department of Fisheries and Aquatic Sciences (2000-2003)

Served as a Reviewer For:

[In current position, coordinated the peer and panel reviews of Water Resources Institute proposals, annual competition, 2014-present. FY16 competition – 15 proposals, FY17 competition – 16 proposals, FY18 – 16 proposals = 47 total proposals]  
[In current position, coordinated the peer and panel reviews of Wisconsin Sea Grant preproposals and proposals biennially, 2014-present. 2016-18 Omnibus – 83 preproposals, 49 full proposals. 2018-20 Omnibus – 84 preproposals, 42 full proposals = 167 total preproposals, 91 full proposals]  
[In DNR Research Chief position, reviewed or coordinated the review of approximately 60 internally funded projects and 10-20 external proposals annually, 2008-2014]  
Promotion package for fixed term faculty position at Michigan State University  
North Carolina Sea Grant 2016-18 Omnibus Competition research proposals (2015)  
UW Sea Grant Aquaculture grant pre-proposals for Wisconsin projects submitted to the NOAA National Aquaculture Competition (relevancy ratings for WI) (2014)  
UW Sea Grant 2014-16 Omnibus Proposals (relevancy ratings for WI as Advisory Council Member) (2013)  
Wisconsin Water Resource Institute USGS 104B Research Program, member of Technical Review Panel to review and rank proposals for funding (2011, 2012)  
Research proposal submitted to the U.S. NOAA, Coastal Ocean Program. Ecology of Harmful Algal Blooms (2004)  
Research proposal submitted to the Natural Environment Research Council (2001)  
*Biological Bulletin* (1997(1), 1998(1))  
*Ecology* (2000(1), 2001(2), 2002(1), 2004(1))  
*Estuaries* (2004)  
*Estuarine, Coastal and Shelf Science* (2001(1))  
*Journal of Phycology* (2001(1), 2002(1), 2003(1))  
*Journal of Sea Research* (2001(1))  
*Journal of Aquatic Plant Management* (2005(2), 2006(1), 2007(1), 2008(1))  
*Marine Ecology Progress Series* (2005(1))  
*Marine Environmental Research* (1999(1))  
*North American Journal of Fisheries Management* (2005(1))  
*Oecologia* (2004(1))

*Scientia Marina* (2001(1), 2002(1))

Organizations (past or current memberships):

International Association for Great Lakes Research (IAGLR); American Fisheries Society (national AFS and Wisconsin Chapter); Association for the Sciences of Limnology and Oceanography (ASLO); North American Lake Management Society (NALMS); Wisconsin Wetland Association (WWA)

Certifications:

Michigan Sea Grant Extension Community-Engaged Research Institute (7/10-14/17), Advanced Open Water SCUBA Diver (PADI); NITROX Diver (Technical Diving International); Certified First Responder; CPR, AED, and Basic First Aid (ASHI-5/28/15); Oxygen Administrator (DAN); Biological Statistics for Fisheries Management Workshop (1.6 CEU accreditation at UW-Extension, 1/13-14/03)

**COMMUNITY SERVICE**

Evansville Education Foundation Board of Directors and Secretary (7/17-present)

Evansville Soccer Club U7 Assistant Coach (9/14-5/15)

JC McKenna Middle School Outdoor Education Day instructor – Aquatic Plant Ecology and Identification (9/26/14)

Evansville Community School District Citizens Advisory Council Member - develop a community survey to develop recommendations to the school district for funding options and priorities (9/13-3/14)

Evansville Soccer Club U6 Assistant Coach (9/13-5/14)

Evansville Community School District Superintendent interview panel (citizen representative) (2013)

Evansville Community School District Strategic Visioning Session participant (2012)