

## **J. ELLEN MARSDEN**

Rubenstein School of Environment and Natural Resources  
University of Vermont, Rubenstein Ecosystem Science Laboratory, Burlington, VT 05401  
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### **RESEARCH INTERESTS**

Great Lakes fisheries restoration and ecology; ecological effects of introduced species; lake trout early life history and spawning behavior; behavioral ecology; conservation of genetic resources in fishes

### **EDUCATION**

Ph.D. - Cornell University, Department of Natural Resources, 1988.

M.S. - Cornell University, Ecology & Systematics, 1985.

B.A. - Bryn Mawr College, Biology, 1978.

### **PROFESSIONAL EXPERIENCE**

Professor Emerita, 2024

Interim Director, Rubenstein Ecosystem Science Laboratory, Jan – June 2018

Chair, Wildlife and Fisheries Biology Program 2011-2016

Professor, University of Vermont, 2006- 2024

Associate Professor, University of Vermont, 2001 - 2006

Assistant Professor, University of Vermont, 1996 - 2001

Associate Professional Scientist, Illinois Natural History Survey; Director, Lake Michigan Biological Station, 1995-96; Assistant Professional Scientist and Director, 1990-95

Adjunct Professor, Northwestern University, 1992-96; University of Illinois-Champaign/Urbana 1994-7;

Loyola University 1992-7; Purdue University 1995-7; Univ. of Wisconsin-Milwaukee 1995-2000

Research Associate, Cornell University, Department of Natural Resources, 1988-1990

### **AWARDS**

2024 New York chapter of American Fisheries Society Professional Achievement Award

2021 Inducted as a Fellow of the American Fisheries Society

2019 New York Council Trout Unlimited Professional Achievement Award

2019 Christie-Loftus Award from the Great Lakes Fishery Commission

2017 Glen Elder Leadership Award for support of students in the LGBTQ community

2015 Best Paper in Ichthyology in Copeia 2014 (Marsden and Tobi 2014)

2014 Most cited paper in Journal of Great Lakes Research 2009-2012 (Marsden and Hauser 2009)

2006 Editors Award, Journal of Great Lakes Research

2005 Best Paper Award, NY Chapter American Fisheries Society Conference, Liverpool, NY

2000 Marcia Caldwell Award for Commitment and Dedication to the Students of the School of Natural Resources, University of Vermont

1995 Best Paper Award, Mid-West Fish and Wildlife Conference, Detroit

1995 Best Paper (co-author) in Transactions of the American Fisheries Society (*Grewe et al. TAFS 123:309-320*)

1993 Best Paper Award, 83rd annual meeting of the Illinois Section of the American Water Works Association

1990 Honorable Mention for paper in N Am J Fish Manage (*Marsden et al. NAJFM 9:257-268*).

1988 Best Paper Award, NY Chapter American Fisheries Society Conference, Binghamton, NY

1987 New York Sea Grant Scholar Award

1986 Best Paper Award, Best Student Presentation, NY Chapter American Fisheries Society Conference, Rome, NY

**PROFESSIONAL ACTIVITIES**

## PROFESSIONAL COMMITTEES AND REVIEW PANELS:

Great Lakes Acoustic Telemetry Observation System Core group member, 2023 to present  
Great Lakes Fishery Commission, Fisheries Research Board, Board of Technical Experts Core group, 2014-present  
Invited member, FishLamp, a workgroup of the Sea Lamprey Control Board, GLFC, 2021-2024  
Publications Committee, Journal of Great Lakes Research, 2012-2015  
Lake Trout Suppression Research Panel, Yellowstone Lake, 2013-present  
Great Lakes Fishery Commission, Sea Lamprey Research Board, 2003-2012 (Chair 2005 – 2010)  
Lake Champlain Basin Program Aquatic Nuisance Species Committee, 2005 - present  
Fish Scientific Advisory Group for Vermont Endangered Species Committee, 2004 - 2010  
Lake Champlain Sea Lamprey Alternatives Workgroup, 2003 – present; Chair 2006 - 2012  
Lake Champlain Fisheries Technical Committee, Strategic Plan working group, 2005 - 2009  
Northeastern Division American Fisheries Society Student Travel Awards Chair, 2004 - 2008  
Great Lakes Fishery Commission, Lamprey Reproduction Reduction Task Force, 2004 - 2010  
Great Lakes Fishery Commission, Lamprey Trapping and Pheromones Task Group, 2003 - 2005  
UVM EPSCoR Awards Review Committee, 2003  
Program Advisory Council, New York Sea Grant, 2002-2011  
Great Lakes Fishery Commission, Board of Technical Experts Lake Trout Task Area, 1997-99  
Invited member, Aquatic Nuisance Species Task Force's Ballast Water Program Effectiveness and Adequacy Criteria Committee, 1999  
Lake Champlain Fisheries Technical Committee, 1997 - present  
Lake Champlain Native Mussel Working Group, 1997 - 2001  
Yellow perch task group, Lake Michigan Technical Committee, 1993-1997  
Creel task group, Lake Michigan Technical Committee, 1994-1997  
Organizer, Round Goby Conference, sponsored by Illinois-Indiana Sea Grant, Chicago, Feb 21-22, 1996  
Steering Committee, RESTORE: Restoration of Lake Trout in the Great Lakes: a Critical Assessment, Ann Arbor MI, Jan. 1994  
Chair, American Fisheries Society North Central Division Great Lakes Technical Committee, 1995-6  
Co-Chair, American Fisheries Society North Central Division Genetics Technical Committee, 1992-3  
Chair of the Great Lakes Commission's Panel on Exotic Species, 1992-93; Panel's representative to the National Task Force on Non-indigenous Aquatic Nuisance Species - Research Protocol Committee.  
Committee to Develop Confinement and Containment Protocols for Zebra Mussels, 1992  
Zebra Mussel-Specific Research Protocol Development Committee (NOAA), 1992  
Lake Michigan Technical Committee (Great Lakes Fishery Commission) 1991-1997  
Lake Ontario Committee (Great Lakes Fishery Commission) 1986-90  
Lower Lakes Lake Trout Coordination Group, 1985-90

## EDITORIAL ACTIVITIES:

Editor, Strategic Plan for Lake Champlain Fisheries, Fisheries Technical Committee, 2018-2019  
Guest Editor, special issue on Lake Champlain, 2011, J Great Lakes Res 2011  
Associate Editor, Journal of Great Lakes Research, 1995-2012  
Editor, Strategic Plan for Lake Champlain Fisheries, Fisheries Technical Committee, 2008  
Guest Editor, special issue on Great Lakes Sea Lamprey Research Themes, 2007, J Great Lakes Res 33 (SI 2).  
Special Editor, Marsden, J. E., J. L. Gunderson, M. R. Klepinger, and C. R. Bronte, eds. 1998.  
International symposium on Eurasian ruffe (*Gymnocephalus cernuus*) biology, impacts and control. J Great Lakes Res 24(2) special section.  
Special Editor, JH Selgeby, RL Eshenroder, CC Krueger, JE Marsden, and RL Pycha, eds. 1995.  
International conference on restoration of lake trout in the Laurentian Great Lakes. J Great Lakes Res , 21, suppl 1.

Special Editor, D. P. Philipp, J. M. Epifanio, J. E. Marsden, and J. E. Claussen, eds. 1995. Protection of aquatic biodiversity. Proceedings of the World Fisheries Congress, Theme 3. Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi  
Associate Editor, North American Journal of Fisheries Management, 1992-1994  
Newsletter Editor, Genetics Section, American Fisheries Society, 1991-92

**PROFESSIONAL SOCIETIES:**

American Fisheries Society (local & National chapters, Genetics Section, Introduced Fish Section)  
International Association of Great Lakes Research  
Fellow of the Cooperative Institute for Limnology and Ecosystems Research  
Great Lakes Research Consortium  
Freshwater Mussel Conservation Society

**MANUSCRIPTS REVIEWED FOR:**

Canadian Journal of Fisheries and Aquatic Sciences; Canadian Journal of Zoology; North American Journal of Fisheries Management; Journal of Great Lakes Research; Transactions of the American Fisheries Society; Fisheries (Bulletin of the American Fisheries Society); Journal of Heredity; CRC Press; Biotropica; Auk; Biological Invasions; Journal of Shellfish Research; Northeastern Naturalist, Archiv. Fur Hydrobiologie; American Midland Naturalist; Malacologia, Oecologia; Animal Behaviour; Aquatic Biology

**GRANT PROPOSALS REVIEWED FOR:**

Great Lakes Research Consortium; Great Lakes Fishery Commission; National Sea Grant Program; Wisconsin Sea Grant; Ohio Sea Grant; Michigan Sea Grant; New Jersey Sea Grant; National Science Foundation; Hudson River Foundation; Connecticut Sea Grant; Great Lakes Protection Fund; National Undersea Research Program

**TEACHING**

**COURSES TAUGHT**

University of Vermont:

Water as a Natural Resource, spring semester, 1996 - 2004  
Fisheries Biology and Techniques (with field labs), fall semester, 1996 – 2023  
Fisheries Management, spring semester, alternate years, 1997 - 2024  
Ichthyology, spring semester, alternate years, 1997 - 2023  
Aquatic Ecology and Watershed Science (graduate seminar) 2001 - 2002  
Conservation Biology (co-taught; with computer labs), spring semester, 2001-2017  
Conservation Genetics, graduate seminar, 2001  
Professional Skills (graduate course) 2005 - 2009  
Natural Resources Ecology and Assessment (co-taught) 2015  
Scientific Writing and Interpretation (co-taught) 2017 - 2019

Cornell University:

Introductory Biology for majors (lab)  
Introductory Biology for non-majors (lab)

**GRADUATE STUDENTS ADVISED (with current positions)**

Jenni Cawein, Northwestern University, co-advised (MS 1992)  
Steven Robillard, University of Wisconsin-Milwaukee, co-advised (MS 1998) Illinois Dept. of Natural Resources  
Jeffrey Stein, University of Illinois Champaign-Urbana (MS 1998), Senior Research Scientist, Illinois Natural History Survey

David Hallac, University of Vermont (MS 1999) Superintendent, NPS, Cape Hatteras  
Adam Zerrenner, University of Vermont (MS 2000) Field Supervisor, Southwest Region, USFWS  
Brian Ellrott, University of Vermont (MS 2003) National Marine Fisheries Service, California  
Eric Howe, University of Vermont (MS 2003, PhD 2006), Director, Lake Champlain Basin Program, VT  
Steven Smith, University of Vermont (MS 2006) Fish Biologist, Lake Champlain Office, USFWS  
Carrol Hand, University of Windsor (MS 2006, co-advised)  
Michael Harrington, University of Vermont (MS 2006, co-advised)  
Jacob Riley, University of Vermont (MS 2008) Stantec Consulting, ME  
Wayne Bouffard, University of Vermont (MS 2009) USFWS, VT  
Seth Herbst, University of Vermont (MS 2010) Research Section Manager, Michigan Dept. of Fisheries and Wildlife  
Bret Ladago, University of Vermont (MS 2013) Fisheries Biologist, VT Dept, of Fish and Wildlife  
Victoria Pinheiro, University of Vermont (MS, 2015) Climate Impacts Group, University of Washington  
Lee Simard, University of Vermont (MS, 2016) Fisheries Biologist, VT Dept, of Fish and Wildlife  
Carrie Kozel, University of Vermont (MS, 2016) Assistant Program Manager, Science; Great Lakes Fishery Commission  
Peter Euclide, University of Vermont (Ph.D., 2018) Research Associate, Purdue University  
Pascal Wilkins, University of Vermont (MS, 2020), Fisheries Biologist, NYDEC Lake Erie  
Ben Block, University of Vermont (MS, 2020, co-advised with Jason Stockwell), TetraTech Inc.  
Matthew Futia, University of Vermont (Ph.D., 2024), post-doctoral associate, UVM  
Mia McReynolds, University of Vermont (Ph.D., current, co-advised with Jason Stockwell)  
Shelby Scarfo, University of Vermont (MS, current)

#### POST-DOCTORAL ASSOCIATES (with current positions)

Michael Chotkowski (USFWS, CA)  
Declan McCabe (Associate Professor, Saint Michael's College VT)  
Mark Beekey (Associate Professor, Sacred Heart University, CT)  
Aude Lochet (Lake Champlain Sea Grant, VT)  
Rosalie Bruel (co-mentored with Jason Stockwell; Office Français de la Biodiversité, France)  
Ariana Chiapella (co-mentored with Jason Stockwell; lecturer, Univ. of Vermont)  
Ben Marcy-Quay (Fish Biologist, USGS Hammond Bay Biological Station)  
Justin Lesser (co-mentored with Jason Stockwell; post-doc, Florida International University )  
Rose Stuart (co- mentored with Jason Stockwell)  
Bianca Possamai (current, co- mentored with Jason Stockwell)  
Matthew Futia (current)

#### EXTERNAL COMMITTEE MEMBER

Colin Clark, MS, SUNY Brockport (current)  
Kelly Hoyer, PhD, Central Michigan University, 2025  
Miranda Devan, MS, Central Michigan University (current)  
Ben Hlina, PhD, Carleton University, Ottawa ONT, 2023  
Emily Wimmer, MS, Central Michigan University, 2021  
Alex Gatch, MS Purdue University, 2018  
Stacy Furgal, PhD, Cornell University, 2018  
Lee Gutowsky, PhD, Carleton University, Ottawa ONT, 2014  
Dimitry Gorsky, PhD, University of Maine, Orono, 2009  
Caitriona Macguire, PhD, Queen's University, Belfast, Ireland, 2002  
Cynthia Kolar, PhD, University of Notre Dame, 2002  
Jeff Stein, MS Univ. of Illinois-Champaign 2001  
Curt Elderkin, Ph.D. Univ. of Southwestern Louisiana 2000  
Thomas Lauer, Purdue University, 1996

## UNDERGRADUATE HONORS THESES

Jack Baker, 2022 (co-mentored)  
 Alex Naccarato, 2021  
 Amelia Smith, 2021, Hobart-Williams College, (external examiner)  
 Katrina Rokocz, 2020  
 Maddi Sorrentino, 2019  
 Kirsti Carr, 2018  
 Madeline Schumacher, 2018  
 Grace Scorpio, 2018 (committee member)  
 Nathaniel Sharp, 2018 (committee member)  
 Lucas Beck, 2018 (committee member)  
 Hannah Reithinger, 2010  
 Mike Ellis, 2009 (Biology)  
 Ashley Porter, 2004 (Biology)  
 Dan Amato, 2003 (Biology)  
 Matthew Toomey, 2001 (Biology)

## UNDERGRADUATE STUDENTS MENTORED AT UVM (SINCE 2000)

Allie Spiers 2023	Meghan Euclide, 2013-15
Meghna Satheesh 2021 (co-mentored)	Ben Szydlowski, 2013-14
Danielle Berger 2021 (co-mentored)	Anastasia Procaccini, 2013
Grace Hemmelgarn 2022, Allegheny College	Michael McDonald, 2013-14
Delaney Stokes 2018-19 (co-mentored)	Justin Lemma, 2013-2015
Katrina Rokocz 2018-19	Lee Simard, 2012-14
Maddi Sorrentino 2018 (co-mentored)	Alex Sotola, 2012-14
Delaney Stokes 2018 (co-mentored)	Donovan Drummey, 2012
Leah Cawthorn 2018	Peter Ferguson, 2012
Brianna Brockett 2018	Harrison Tobi, 2012
Alex Bennett 2018	Kevin Ostantowski, 2010-2012
Matt Fidler 2018	Meghan Forrer, 2010
Jude Dickerson 2018	Eric LaMontagne 2009
Jessica Griffin, 2017	Elias Rosenblatt 2009
Adrien Plouffe, 2017	Caitlin Margolin 2009
Alex Bennett, 2017-18	Meigan Forrer 2009
Bethany Alger, 2016	Alia Richardson 2009
Levi Brown, 2016	Neil Thompson, 2008
Justin Sell, 2016	Joshua Ashline, 2006-07
Leah Cawthorn, 2016-18	Steve Midway, 2006
Caleb Basa, 2016	Erika Partee, 2006
Matthew Gorton, 2016	Chelsea Harrington, 2006
Natalie Flores, 2015 (REU intern)	Paul Simonin, 2006
Erin Keogh, 2015 (REU intern)	Jesse Wheeler, 2001-02
Brad Roy, 2014-15	Porter Gill, 2001
Tyler Parent, 2013-14	

**GRANTS (\* indicates students)**

2025-2028. Bernos, T, M Henderson, JE Marsden, B Pientka, S Good, L Early, M Murphy. Developing abundance indices for Lake Champlain's nearshore fish communities. Hudson River Foundation.  
 2025-2028. Henderson M, P Euclide, J Homola, D Isermann, JE Marsden, B Pientka. Genetic and

- behavioral differences between tributary and lake spawning ecotypes of Lake Whitefish (*Coregonus clupeaformis*) in Lake Champlain. GLFC 3 years \$296,966
- 2025-2028, Rinchar, J., and 19 investigators. Evaluation of thiamine deficiency in lake whitefish as a potential cause of their recruitment failure. GLFT, \$362,647
- 2024-2028 Bunnell, D. et al. Evaluating the effect of invasive mussels on the egg survival of lake whitefish. 2024-2028, \$80,143 (year 1), ~\$100,000 annually. USGS/CESU
- 2024-2026 Lesser, J., JD Stockwell, JE Marsden. How do seasonally flooded wetlands contribute to nearshore consumer production in Lake Champlain? Vermont Water Resources Center \$39,252
- 2024-2025 Stuart, R, B Marcy-Quay, JE Marsden, JC Stockwell. Could American eel predation be a natural control for sea lamprey populations? LCBP \$150,000 1.5 years
- 2024-2025 Lesser, J, JD Stockwell, JE Marsden, K Rose. How did the alewife invasion affect food web function in Lake Champlain? LCBP \$299,000
- 2024-2026 Henderson, M., J. Lesser, JD Stockwell, JE Marsden. Not just a needle in a haystack: using models to understand the impact of a round goby invasion on the Lake Champlain ecosystem. LCBP \$255,224
- 2024-2026 Holbrook, C., T Brenden, Funnell, T., T Binder, JE Marsden. Lake whitefish use of constructed and natural reefs in Thunder Bay, Lake Huron: an amendment to “Habitat use and movement patterns across the lake whitefish stock complex in Lake Huron”. GLFC \$30,297
- 2024-2029. Stockwell, J. D. and J. E Marsden. Lake Champlain Fish Ecology: a mesocosm approach to the Great Lakes, part III. Great Lakes Fishery Commission. \$700,000 annually
- 2023-2025. Stockwell, JD, JE Marsden. Equipment to Support the GLFC-Funded Omnibus Research Project - Lake Champlain Fish Ecology: a mesocosm approach to the Great Lakes (Phases II and III). Great Lakes Fishery Commission \$700,000
- 2023-2025 Stockwell, JD, JE Marsden, A McReynolds, J. M Jech, L. Rudstam. Evaluating vessel avoidance during vessel/trawl surveys of pelagic fish using a hybrid research vessel. GLFC \$306,141
- 2022-2024 Robinson J, N Johnson, K Scribner,; JE Marsden, R Booth, B Young, M Symbal, B Mattes. Validate and apply sea lamprey diet analysis using DNA metabarcoding. Great Lakes Fishery Commission \$207,000
- 2022-2023 Stockwell, JD, JE Marsden, A Chiapella, J Lesser, B. Possamai. Food web responses to round goby and quagga mussel invasions across the gradient of lake types within the Lake Champlain ecosystem. USGS Vermont Water Resources Center. \$39,991
- 2022-2023 Marsden JE., B. Marcy-Quay, C. Wilson. Quantifying abundance and recruitment in a re-establishing lake trout population by close-kin mark-recapture. GLFC, \$171, 778 (2 years)
- 2022-2023 Marsden JE, B Marcy-Quay, Evaluation of post-stocking performance of lake trout using genetics – Lake Champlain Sea Grant. 2 years, \$131,530
- 2021-2025 Rinchar J, M Futia\*, JE Marsden, AN Evans, S Sañudo-Wilhemly. Do lake trout eggs and free embryos acquire thiamine during development in wild populations? GLFC, \$186,586, 2 years
- 2021-2025. Marsden JE, TR Binder, J He. Lake trout colonization of artificial reefs: who’s interested, and how long does it take? GLFC \$113,471
- 2020-2023 McNaught, S, T Galarowicz, J Jonas, J Smith, N Barton, JE Marsden. Importance of food and predators to lake whitefish and cisco recruitment in Lake Michigan. Great Lakes Fishery Trust, 2 years, \$207,000
- 2020-2024. Marsden, JE, JD Stockwell. Forage fish community monitoring in Lake Champlain. Lake Champlain Basin Program, \$238,822
- 2020-2021 Stockwell JD, JE Marsden, A Chiapella. How much carbon is in those mussels? The potential impact of a quagga mussel invasion on energy pathways in Lake Champlain. Water Resources Center, \$36,000.
- 2020-2021. Marsden, JE and M. Futia\*. Three-dimensional habitat occupancy of wild juvenile and stocked adult lake trout in Lake Champlain. Lake Champlain Sea Grant. \$77,630

- 2019-2020. Stockwell, JD, JE Marsden, R Bruel. A food web modeling approach to evaluate and predict impacts of Lake Champlain fish population changes. Lake Champlain Sea Grant Program. \$147,539
- 2018-2023 Marsden, JE, JD Stockwell. Lake Champlain fish ecology: a mesocosm approach to the Great Lakes. Great Lakes Fishery Commission. \$1,780,000.
- 2018-2020. Cooke, S. J., J. E. Marsden, D. P. Philipp, J. Claussen. Developing a conservation strategy for lake trout on Lake Papineau. NSERC and Kenauk Nature Preserve. \$110,000
2017. J. E. Marsden. Mobile receiver and telemetry for tracking fish. Lake Champlain Basin Program, \$10,000
- 2016 \*Euclide, P., and J. E. Marsden. Quantifying the extent and history of habitat fragmentation in the Lake Champlain basin. Water Resources Center - \$10,000
- 2016 \*Kozel, C., and J. E. Marsden. Can early feeding ameliorate thiamine deficiency in wild lake trout fry? Water Resources Center – thiamine and fry - \$10,000
- 2015 Marsden, J. E. Evaluation of successful lake trout recruitment in Lake Champlain: what has changed? UVM John Hilton faculty research fund, \$10,151
- 2015 Stott, W. S. C. Riley, T. R. Binder, J. E. Marsden, C. C. Krueger, S. Koproski, A. Kowalski, Natural lake trout strain identification in northern Lake Huron. Great Lakes Fishery Commission. \$18,296
- 2014 Marsden, J. E. and J. D. Stockwell. An acoustic telemetry array for Lake Champlain: investigating effects of aquatic habitat fragmentation on lake whitefish. Water Resources Center. \$40,000
- 2014-2016 Marsden, J. E., J. Rinchar, and A. Evans. Can early feeding in lake trout fry ameliorate thiamine deficiency? Great Lakes Fishery Commission. \$138,977
- 2013-2018. Marsden, J. E. and J. D. Stockwell. Lake Champlain fish ecology: a mesocosm approach to the Great Lakes. Great Lakes Fishery Commission. \$945,000.
- 2013-2014. Marsden, J. E., C. Guy, R. Gresswell. Evaluation of lake trout egg distribution, density, and survival in Yellowstone Lake. Wyoming Council of Trout Unlimited. \$190,000
- 2012-2013 Marsden, J. E., J. Johnson. Attraction of spawning lake trout to conspecifics and reef odor. Great Lakes Fishery Commission \$50,000
- 2012-2013 Miehl, S. and J. E. Marsden. Diel and spatial movement patterns of downstream migrating sea lamprey transformers. Great Lakes Fishery Commission, Lake Champlain Sea Lamprey Alternatives Workgroup \$162,000
- 2011-2013. Marsden, J. E., W. Kilpatrick, and W. Ardren. Genetic examination of lake whitefish population sub-structuring among basins in Lake Champlain. State Wildlife Incentives Grant, VTDFW, \$39,688
- 2012-2013 Lochet, A., B. Fryer, J. E. Marsden. Tributary contributions to the production of parasitic- and spawning- phase sea lamprey in Lake Champlain using recent advances in statolith microchemistry. Lake Champlain Sea Lamprey Alternatives Workgroup \$50,000
- 2011-13. Marsden, J. E. Restoration of native salmonids and other inter-jurisdictional fish in Lake Champlain. USFWS Cooperative Agreement. \$100,000
- 2011-12. Fitzgerald, E., J. E. Marsden, and B. Haselton. Measuring the effects of lakeshore development on littoral habitat quality in Mallets Bay, Vermont. Lake Champlain Basin Program. \$114,599
- 2010 Marsden, J. E. Restoration of native salmonids and other inter-jurisdictional fish in Lake Champlain. USFWS Cooperative Agreement. \$20,000
- 2010-2011. Adams, J., N. Dingleline, J. E. Marsden, and J. Johnson. Reef Habitat Restoration in Thunder Bay, Lake Huron. Estuaries Restoration Act. \$516,876.
- 2009-2010 Marsden, J. E. Evaluation of the Champlain Canal as a current exotic species vector. Lake Champlain Sea Grant, \$101,00
- 2009-2010 Adams, J., J. E. Marsden, J. Johnson, and N. Dingleline. Evaluation of habitat remediation in Thunder Bay, Lake Huron, on lake trout spawning success. Great Lakes Fish and Wildlife Restoration Act \$64,000

- 2009-2011 Determination of micro-elemental stability of sea lamprey statoliths. Marsden, J. E., S. Ludsins, B. Fryer, and E. Brothers. Great Lakes Fishery Commission, \$175,623
- 2009-2010. Emerging threats on Lake Champlain. Levine, S., J. E. Marsden, and M. Watzin. Lake Champlain Sea Grant, \$371,000.
- 2007 The effects of zebra mussel growth in different calcium levels on predatory selection by pumpkinseed sunfish (*Lepomis gibbosus*). Partee, E. and J. E. Marsden. Helix Undergraduate Research Award, \$5,000.
- 2006-2008. Emerging threats on Lake Champlain. Levine, S., J. E. Marsden, and M. Watzin. Lake Champlain Sea Grant, \$450,000.
- 2005-2007. Aquatic Invasive Species Research: Use of migratory and sex pheromones to increase trapping efficiency of sea lamprey. Marsden, J. E. and D. L. Parrish. National Sea Grant, \$107,000
- 2004-2007. Evaluation of lake trout spawning habitat for Lake Michigan deep reefs. Janssen, J., C. Bronte, J. E. Marsden, and D. J. Jude. Great Lakes Fishery Trust, \$360,000
- 2004-2006 Distribution and factors affecting survival of sea lamprey eggs in and out of nests. Lake Champlain Basin Program, \$30,000
- 2004 RUBY summer internship to \*Rebecca Drapp, Saint Michael's College. Faculty advisor J. E. Marsden. \$5,000
- 2004 Sea lamprey egg survival in and out of nests. Marsden, J. E. Nature Conservancy \$10,000; USFWS 10,000.
- 2004-2006 Micro-elemental analysis of statoliths as a tool for tracking stream origins of sea lamprey. Ludsins, S. A., J. E. Marsden, and B. J. Fryer. Great Lakes Fishery Commission, 2 years, \$96,315
- 2004-2006 Development of a population viability model to optimize sea lamprey control strategies in Lake Champlain. Marsden, J. E., S. A. Ludsins, P. Sullivan, and B. J. Fryer. Lake Champlain Sea Grant, 2 years, \$83,990
- 2003-2004 Microelemental analysis of Lake Champlain sea lamprey statoliths. Martin, C. and J. E. Marsden. Lake Champlain Basin Program, \$10,000; USFWS. \$8,000.
- 2002 A test for inducible defense in the zebra mussel (*Dreissena polymorpha*). UVM Undergraduate Research and Faculty Mentoring grant, Matt Toomey\* and J. E. Marsden; \$3,000
- 2002-4 A multidimensional approach to evaluating a barrier at the Champlain Canal. Malchoff, M., J. E. Marsden, M. Hauser, E. Fitzpatrick, and W. Howland. National Sea Grant \$95,000
- 2001-2003 Aquatic Nuisance Species: Effect of zebra mussel colonization of soft sediments on foraging success and habitat choice by benthic fish. Marsden, J. E., Mark Beekey, Declan McCabe. National Sea Grant, \$125,758
- 2001-2004 Movement and population size of sea lamprey in Lake Champlain and its tributaries. J. E. Marsden, P. Sullivan, M. Malchoff. Great Lakes Fishery Commission. 2 years, \$122,253
- 2001-2002 Population size estimates of sea lamprey transformers in Lake Champlain tributaries. J. E. Marsden, D. Parrish. U. S. Geological Service, Biological Resources Division. 1 year, \$49,491.
- 2001-2003 Effects of interstitial predators on lake trout recruitment in Lake Michigan. J. Fitzsimons, J. E. Marsden, J. Jonas, and R. Claramunt. Great Lakes Fishery Trust. \$360,000; co-funding from Great Lakes Fishery Commission, \$135,000.
- 2000-2002 Developing ecosystem indicators and an environmental score card for the Lake Champlain Basin Program Watzin, M. C., D. Wang, R. Manning, B. Rosen, W. C. Hession, E. A. Cassell, J. E. Marsden, W. Kuentzel, and A. Shambaugh. Lake Champlain Basin Program, \$99,997
- 2000-2001 Investigation of lake trout spawning on deep reefs as a potential restoration tool. J. E. Marsden. National Undersea Research Program, \$42,448
- 2000-2002 Effect of zebra mussel colonization of soft sediments on burrowing invertebrates and insectivorous fish. J. E. Marsden. EPA-EPSCoR post-doctoral fellow award. \$60,000
- 2000 Assessment of stimuli that affect movement and detachment of adult zebra mussels. EPSCoR undergraduate summer grant to \*Matt Toomey (advisor: J. E. Marsden) \$5,000.
- 1999-2000 Compensatory responses of sea lamprey larvae to chronic population reduction; J. E. Marsden. Vermont EPSCoR Graduate Research Fellowship. \$21,630.

- 1999-2000 Population density and dynamics of sea lamprey populations in treated and untreated streams: growth rates, survival, sex ratio, and age at transformation. J. E. Marsden and \*A. Zerrenner. Great Lakes Fishery Commission. \$17,707.
- 1999 Effect of natural calcium levels on growth of zebra mussels and resistance to predation in Lake Champlain. Helix Minigrant for Undergraduate Research in Science. \*C. Newt and J. E. Marsden. \$3,500.
- 1998-99 Smelt research on Lake Champlain. VT Department of Fish and Wildlife. \$17,000
- 1998 Development of a monitoring protocol for the eastern sand darter, *Etheostoma pellucidum*, in the Poultney River, Vermont and New York. J. E. Marsden. The Nature Conservancy. \$5,000
- 1998 Genetic variation among *Eastern elliptio* (Mollusca: bivalvia) populations in the Lake Champlain basin. University of Vermont Undergraduate Research and Faculty Mentoring grant. \*E. Ennis and J. E. Marsden. \$5,000
- 1997-8 Assessment of active dispersion by adult zebra mussels, and consequences for unionid mussel refugia. J. E. Marsden. Connecticut Sea Grant Program. \$4,974.
- 1997-8 Degradation and restoration of Lake Michigan: past and future of nonindigenous species (NIS). D. Lodge, D. Schneider, R. Sparks, J. E. Marsden. National Sea Grant Program. \$76,629
- 1996-8 Evaluation of potential for native mussel refugia following the invasion of zebra mussels. J. E. Marsden and D. Parrish. USFWS. \$67,000
- 1996-7 Application of genetic analysis to detect multiple paternity and sperm precedence in the freshwater snail *Elimia*. J. E. Marsden. University of Illinois – Urbana-Champaign Campus Research Board, \$8,300
- 1997-9 Yellow perch population assessment in southwestern Lake Michigan. . J. E. Marsden and \*S. Robillard. IL Dept. of Natural Resources. \$307,566
- 1996-2001 Creel survey of the Illinois waters of Lake Michigan. IL Dept. of Natural Resources. J. E. Marsden and W. Brofka. \$123,947
- 1996 Parental strain analysis of wild-caught lake trout fry from Lake Michigan. J. E. Marsden and B. May. US Fish and Wildlife Service. \$3,195
- 1995-7 Sea Grant Non-Indigenous Species Extension Specialist at the Lake Michigan Biological Station. J. E. Marsden. Illinois-Indiana Sea Grant. \$125,000
- 1995 Preliminary assessment of the potential effects of introduced gobies on aquatic ecosystems in Illinois. D. Soluk, W. Resetarits, J. E. Marsden, and J. Janssen. Environmental Protection Trust Fund Commission. \$149,515
- 1995 Parental strain analysis of wild-caught lake trout fry from Lake Michigan. J. E. Marsden and B. May. US Fish and Wildlife Service. \$4,135
- 1995 A genetic, morphological, and ecological analysis of freshwater gastropods in southwestern Lake Michigan. J. E. Marsden. University of Illinois – Urbana-Champaign Campus Research Board, \$9,300
- 1995 Detection of actively-used lake trout spawning reefs and assessment of egg vulnerability to sculpins. J. Janssen and J. E. Marsden. National Undersea Research Program. Submersible use + \$5,000
- 1994-7 Yellow perch population assessment in southwestern Lake Michigan, including evaluation of sampling techniques. J. E. Marsden and D. P. Philipp. IL Dept. of Conservation. \$239,666
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- 1992 Effects of puncturing the gas bladder and decompression on survival of tagged yellow perch. J. E. Marsden. IL-IN Sea Grant. \$4,000.

- 1992 Long-term zebra mussel monitoring in south-western Lake Michigan. J. E. Marsden. Critical Trends Assessment Committee. \$2,250
- 1991-3 Identification of actively used near-shore lake trout spawning sites in south-eastern Lake Michigan. J. E. Marsden. Illinois-Indiana Sea Grant Program. \$59,500
- 1991-3 Zebra mussel study on Lake Michigan. J. E. Marsden. Illinois Department of Conservation. \$135,000
- 1991-3 Genetics of zebra mussel populations: critical data for ecological studies and development of effective long-term control strategies. J. E. Marsden and B. May. US Environmental Protection Agency. \$102,113
- 1990 Development of a standardized protocol to monitor the spread and density of zebra mussel (*Dreissena polymorpha*) populations. J. E. Marsden, A. Aitken, R. Engel and D. Molloy. Great Lakes Research Consortium, \$8,500
- 1989 Identification of parental strains of lake trout eggs captured during spawning in Lake Ontario. C. C. Krueger and J. E. Marsden. New York Sea Grant Institute. \$9,570.
- 1989 Effect of substrate size on spawning site selection by lake trout and on overwinter mortality of eggs. C. C. Krueger and J. E. Marsden. New York Sea Grant Institute. \$83,538.
- 1988 Analysis of strain composition of lake trout eggs. J. E. Marsden. Empire State Lake Ontario Derby, Inc. \$2,000.
- 1988 Comparison of substrate selected by spawning lake trout, and evaluation of techniques for egg collection. C. C. Krueger and J. E. Marsden. Great Lakes Fishery Commission. \$78,880.
- 1987 Identification of the sources and amount of lake trout egg mortality on a reef in Lake Ontario. C. C. Krueger and J. E. Marsden. Great Lakes Fishery Commission. \$32,537.
- 1979-1987 Genetics Society of America student travel award; American Museum of Natural History Roosevelt Award; Local Sigma Xi Award; National Sigma Xi Grants-in-Aid of Research; Cornell University summer research grant; Explorer's Club Education and Youth Activities Fund grant; Bermuda Biological Station Scholarship

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**SCIENTIFIC PRESENTATIONS** (presenter only)

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- 2020 Seasonal depth distribution of wild and stocked juvenile lake trout in Lake Champlain. Wilkins, P. D., J. E. Marsden. New York Chapter American Fisheries Society conference, Lake Placid NY
- 2019 Early development and feeding plasticity in an invasive population of lake trout. Marsden, JE., LG Simard, R Gresswell, M Euclide. IAGLR Conference, Brockport NY
- 2018 Growth and recruitment of juvenile lake char in Lake Champlain. Marsden, J. E., and P. Wilkins. Large Lakes Symposium, Evian, France
- Growth and recruitment of juvenile lake char in Lake Champlain. Marsden, J. E., and P. Wilkins. Char Symposium, Duluth MN
- Long-term assessment of artificial reefs – physical and biological aspects. Marsden, J.E., J Johnson, N. Dingledine, J. Adams. American Fisheries Society annual conference, Atlantic City NJ.
- Diet analysis of wild and stocked juvenile lake trout in Lake Champlain: Looking for clues that explain recruitment. Marsden, J. E. and M. N. Schumacher. Lake Champlain Research Conference, January 8<sup>th</sup>-9<sup>th</sup>, 2018
- Development of acoustic telemetry coverage and collaborative fish monitoring in Lake Champlain. Marsden, J. E., GLATOS workshop, Ann Arbor, Feb. 2018
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- 2013 Acing the interview – symposium on Professional Skills.. J. E. Marsden. IAGLR Conference, Purdue University
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- Tracking the natal origin of parasitic sea lamprey using statolith microchemistry. Lochet, A., J. E. Marsden, B. Fryer, S. Ludsins. Annual American Fisheries Society conference, St. Paul, MN
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- A deep-water electroshocker for sampling small fishes and invertebrates from interstitial spaces. Marsden, J. E., J. W. Riley, N. F. Thompson, J. Janssen, and C. Houghton. American Fisheries Society annual conference, Seattle, WA
- 2010 The decline of fish populations and fisheries in Lake Champlain: an historic review, J. E. Marsden and R. Langdon. Lake Champlain Research Consortium conference, Burlington, VT
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- Feasibility of a Champlain Canal AIS barrier. International Association of Great Lakes Research annual conference, Peterborough, Ont (given via teleconference)
- Status of lake whitefish (*Coregonus clupeaformis*) in Lake Champlain, with S. Smith, and J. Hatt. American Fisheries Society annual conference, Ottawa, Ont
- Investigations into age-0 mortality of lake trout in Lake Champlain. Lake Trout Age-1 Mortality Coordination workshop, E. Lansing, MI
- 2007 Deep-water techniques for evaluating lake trout spawning. With J. Janssen and J. W. Riley. International Association of Great Lakes Research annual conference. State College, PA
- 2006 Panel discussion on sea lamprey control in Lake Champlain, Northeastern Division American Fisheries Society conference, Burlington VT, April 2006
- Predictive morphometric relationships for estimating fecundity of sea lamprey from Lake Champlain and other landlocked populations. with S. J Smith, International Association of Great Lakes Researchers annual conference, Windsor, Ont.
- Tributary contributions to the parasitic and spawning adult population of sea lamprey (*Petromyzon marinus*) in Lake Champlain using elemental signatures. With Howe, E. A., S. A. Ludsin, C. H. Hand, and B. J. Fryer. International Association of Great Lakes Researchers annual conference, Windsor, Ont.
- Fate of post-emergent lake trout fry in Lake Champlain. With J. W. Riley. Reintroduction of Native Fishes Research Coordination Workshop, Great Lakes Fishery Commission, Ypsilanti, MI
- 2005 A comparison of lake trout spawning and fry emergence in lakes Michigan, Huron, and Champlain. with B. J. Ellrott, J. D. Fitzsimons, R. M. Claramunt and J. L. Jonas. New York Chapter American Fisheries Society Conference, Liverpool NY.
- 2004 Lake trout egg deposition, fry hatch, and predation in Lake Michigan, Parry Sound (Lake Huron), and Lake Champlain with R. Claramunt, J. D. Fitzsimons, J. Jonas, & B. Ellrott. Native Fish Restoration Workshop, GLFC, Ann Arbor MI
- Sea lamprey control in the Great Lakes and Lake Champlain. Invited presentation to the NE Aquatic Nuisance Species Panel, Saratoga Springs, NY
- 2003 Aquatic invaders in Lake Champlain - sources, vectors, and potential solutions. with M. Hauser, and M. Malchoff, Northeast Fish and Wildlife Conference, Providence RI
- Field trials to test behavioral response of migratory phase sea lamprey to larval pheromone within tributary systems. Great Lakes Fishery Commission Sea Lamprey Research Workshop, Detroit
- The Champlain Canal: a conduit for exotic species, with M. Hauser and M. Malchoff, 12<sup>th</sup> International Aquatic Invasive Species Conference, Windsor, Ont.
- Estimating population size of sea lamprey larvae in streams, with E. Howe, P. Sullivan, and Mark Malchoff. American Fisheries Society, Quebec, QUE
- 2002 Lake trout reproduction in Lake Champlain, with Brian Ellrott, Northeast Fish and Wildlife Conference, Portland, ME
- The impact of zebra mussel colonization of soft sediments on foraging efficiency of benthic fish, with M. Beekey, and D. McCabe, American Fisheries Society Annual Conference, Baltimore, MD
- A comparison of lake trout fry emergence in lakes Michigan, Huron, and Champlain, with B. Ellrott, J. Fitzsimons, R. Claramunt, and J. Jonas. Great Lakes Fishery Commission workshop on lake trout, Ann Arbor
- 2001 Investigation of lake trout spawning on deep reefs, with B. Ellrott. International Assoc. of Great Lakes Researchers annual conference, Green Bay, WI
- 2000 Wetland substrates as unionid refugia from zebra mussels, with D. E. Hallac. 10<sup>th</sup> International Zebra Mussel Conference, Toronto, Canada.

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- 1999 Assessment of rainbow smelt stocks during and eight-year experimental sea lamprey control program on Lake Champlain. First North American Workshop on Rainbow Smelt, Quebec City, Feb. 21-23 (presented for George LaBar)
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Zebra mussels impede lake trout reproductive success in Lake Michigan, with M. A. Chotkowski, 8<sup>th</sup> International Zebra Mussel and Aquatic Nonindigenous Nuisance Species Conference, March, Sacramento, CA
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Distribution and population dynamics of the round goby in the Great Lakes, with M. Chotkowski, Mid-West Fish and Wildlife Conference, Detroit MI
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- 1993 Substrate preferences of newly settled zebra mussels, Third International Zebra Mussel Conference, Toronto, Ontario  
Population dynamics and movement of yellow perch in south-western Lake Michigan, with W. Brofka, D. Makauskas, and W. H. Horns, 55<sup>th</sup> Midwest Fish and Wildlife Conference, St. Louis, MO
- 1992 Evidence of lake trout egg deposition in southwestern Lake Michigan, with M. J. Keniry and W. Brofka. 54<sup>th</sup> Midwest Fish and Wildlife Conference, Toronto, Ontario  
Lake trout restoration in the Great Lakes: a research perspective, with Charles C. Krueger, David Perkins, and Bernie May, World Fisheries Congress, Athens, Greece  
Integrated pest management in freshwater systems - lessons from the zebra mussel invasion in North America, Theme 3 symposium, World Fisheries Congress, Athens, Greece  
Zebra mussel settlement behavior, Joint Illinois-Wisconsin chapters meeting of the American Fisheries Society, Waukegan IL  
Standardized zebra mussel monitoring protocols, presented by Lois Deacon, Second International Zebra Mussel Conference, Toronto, Ontario
- 1991 Genetic polymorphism among disjunct populations of zebra mussels in the Great Lakes, co-authored with B. May, Second International Zebra Mussel Research Conference. Rochester, NY  
Status of zebra mussels in Lake Michigan - temporal and spatial distribution of veligers and adults, presented with L. Bardygula, Second International Zebra Mussel Research Conference, Rochester, NY.  
Zebra mussel monitoring in Lake Michigan, 1991 - techniques and results, Electric Power and Research Institute Zebra Mussel Conference, Itasca, IL  
Natural reproduction by stocked lake trout in Lake Ontario: prospects for Lake Michigan, Illinois American Fisheries Society meeting, Urbana, IL

- 1990 Development and use of standardized zebra mussel monitoring guidelines, First International Zebra Mussel Research Conference, Columbus, OH  
Lake trout egg deposition, fertilization rate, and overwinter survival in Lake Ontario, National American Fisheries Society, Pittsburgh, PA  
Stocked lake trout deposit eggs non-randomly with respect to substrate type, International Association of Great Lakes Researchers, Windsor, Ont.  
Stocked lake trout deposit eggs non-randomly with respect to substrate type, New York Chapter of the American Fisheries Society, Owego, NY
- 1989 Reproductive success of lake trout strains stocked in Lake Ontario: comparisons among years, among life stages, and between hatchery-raised and wild fry, National American Fisheries Society, Anchorage, AK
- 1988 Preliminary observations on lake trout egg deposition in Lake Ontario, New York Chapter of the American Fisheries Society, Binghamton, NY
- 1987 Parental origins of naturally-produced lake trout fry in Lake Ontario, New York Chapter of the American Fisheries Society, Rome, NY
- 1986 Parental origins of naturally-produced lake trout fry in Lake Ontario, National American Fisheries Society, Providence, RI  
Two new isozyme loci in salmonids, with application to lake trout rehabilitation in lake Ontario, New York Chapter of the American Fisheries Society, Rome, NY
- 1985 Distribution of genetic variation within and among hatchery strains of lake trout (*Salvelinus namaycush*), New York Chapter of the American Fisheries Society, Rome, NY
- 1980 A computer simulation of trans-Atlantic bird migration, Migration, Orientation and Homing Symposium, Milbrook, NY

## POSTER PRESENTATIONS

- 2019 The importance of personality in individual fish movements. Gordon Research Conference on Movement Ecology of Animals, Lucca, Italy
- 2018 Visual display of complex, multidimensional spatial data from acoustic telemetry. J. E. Griffin and J. E. Marsden. GLATOS workshop, Ann Arbor MI
- 2009 Evaluation of calcein for marking lake trout fry, and estimation of fry abundance on a spawning reef. J. E. Marsden, J. Hatt, and J. W. Riley. International Charr Symposium, Stirling, Scotland
- 2008 Effects of egg and fry predators on lake trout recruitment in Lake Michigan. J. D. Fitzsimons, J. E. Marsden, J. L. Jonas, and R. M. Claramunt. Great Lakes Fishery Trust 10-yr anniversary, MI
- 2006 A life cycle approach to modeling sea lamprey in the Lake Champlain basin. Howe, E. A., J. E. Marsden, T. M. Donovan, R. H. Lamberson. American Fisheries Society annual conference, Lake Placid, NY
- 2004 Development of a matrix-based population viability model to manage a population for extinction. Howe, E. A., J. E. Marsden, T. M. Donovan, R. H. Lamberson, T. Tear. World Fisheries Conference, Vancouver, WA.
- 1999 Lake Champlain Basin Native Mussel Research, M. Lyttle, D. Hallac, J. E. Marsden, S. Fiske, C. Eliopoulos, P. Stangel, R. Levey. Champlain Research Consortium Symposium, NY and New England Association of Environmental Biologists, VT.
- 1997 A substrate to which zebra mussel will not attach, with P. Charlebois, Northeast Conference on Nonindigenous Aquatic Species. Burlington VT
- 1993 Species-specific confinement and containment protocols, with D. Reid, L. Johnson, J. Bidwell, J. Carlson, and J. Nichols. Third International Zebra Mussel Conference, Toronto
- 1992 Zebra mussel monitoring, Joint Illinois and Wisconsin American Fisheries Society meeting, Waukegan, IL
- 1991 Standard protocols for sampling and monitoring zebra mussels, Illinois American Fisheries Society annual meeting, Urbana, IL

- 1987 Single locus inheritance in a tetraploid amphibian: an analysis of expected progeny ratios in tetraploid organisms, Genetics Society of America, San Francisco, CA
- 1985 Distribution of genetic variation within and among hatchery strains of lake trout (*Salvelinus namaycush*) 3rd Annual Genetics in Aquaculture Symposium, Davis, CA

## INVITED PRESENTATIONS, SEMINARS AND COLLOQUIA

- 2023 FishLamp presentation on the history of Lake Champlain sea lamprey suppression  
Invited talk on artificial reef work to Great Lakes Fishery and Ecosystem Restoration (GLFER) Project Review Committee  
Invited talk on artificial reef research to Electric Power Research Institute (remote)
- 2022 Presentation on Fisheries projects and ROVs to high school student program led by Chris Whittaker, at ECHO  
Discussion of invasive species with CREST summer program
- 2021 Graduate student-led seminar, Michigan State University, Jan 20 (remote)
- 2020 Lake trout research: staying relevant to management. Invited seminar, Michigan State University, Lansing MI, March 2020 (cancelled due to Covid)  
Zoom a Scientist – remote talk on fisheries assessment for Lake Champlain Sea Grant program  
Presentation on lake trout research for the Lake Champlain Basin Program Technical Advisory Committee
- 2019 Charlotte Central School 6<sup>th</sup> grade on salmonid conservation  
Presentation and field trip for Lake Champlain Maritime Museum course on Special Topics in Lake Champlain Natural History, Kill Kare State Park
- 2018 Presentation on lake trout to Central VT Chapter of Trout Unlimited  
Presentations on lake trout juvenile recruitment research to two VT Fisheries Division meetings  
Fish and fisheries, field trip with L Champlain Maritime Museum Teacher Development class  
Careers talk with Mansfield Hall students
- 2017 Wake Robin presentation on Lake Champlain history and research
- 2016 Keynote speaker at World Water Day Celebration, Champlain Basin Education Initiative  
Fish ecology talk, Fisheries Leadership Institute (a Lake Champlain Sea Grant initiative)  
Lake trout talk, Central Vermont Trout Unlimited  
Guest lecture in Limnology course, Green Mountain College
- 2015 Keynote speaker, Ohio State University, Lake Erie-Inland Waters Annual Research Review  
Seminar speaker, Department of Environmental Sciences, University of Toledo, Use of acoustic telemetry to define lake trout spawning sites and behavior  
Invited speaker, Sea Grant Great Lakes Network annual meeting in Burlington, VT; a retrospective on 25 years of aquatic invasive species research.
- 2014 Lake Champlain Basin Program workshop on global warming: Implications of global warming for aquatic invasions.  
Seminar speaker, Carleton University, Ottawa, Ont. Artificial reefs for lake trout spawning - if we build it, will they like it?
- 2012 Non-indigenous fish species: past mistakes, future solutions? EEEF Conference Plenary speaker, Windsor, Ontario
- 2009 “Meet the Scientist” public presentation on sea lamprey at ECHO
- 2008 Keynote speaker, Federation of Vermont Lakes and Ponds Vermont Lake Seminar 2009, Shelburne, VT  
Lake trout in Lake Champlain. Invited seminar at Green Mountain College, VT
- 2007 Invited seminar, University of Maine, Orono. Lake trout restoration: what 50 years of (mostly) failure have taught us
- 2006 Invited seminar, Queens University, Kingston, Ont. Aquatic exotic species: the good (?), the bad (!), and the ugly
- 2005 Invited panelist for Lake Champlain Basin Program’s State of the Lake workshop, Plattsburgh, NY

- 2004 UVM Alumni Speaker Series, Small mussels, big muscles: how zebra mussels wreak havoc on the lives of fishes
- 2002 Invited seminar, Dept. of Biology, Notre Dame University; Substrate alteration by zebra mussels: physical and biological consequences  
Seminar on sea lamprey control, Queens University, Belfast, Northern Ireland  
Departmental seminar on lake trout research, Biology Department, University of Vermont  
Panel speaker on Global Climate Change, Vermont Watershed Symposium
- 2000 Exotic species in Lake Champlain, National Aquatic Nuisance Species Task Force meeting, Burlington VT  
Panel speaker, Aiken Lecture Series on Vermont Watersheds, Burlington VT
- 1999 Effect of zebra mussels on native mussels and lake trout. Invited seminar speaker, SUNY Buffalo  
Restoration of Lake Trout in the Great Lakes, Conservation Biology seminar series, University of Vermont.  
Yellow perch decline in Lake Michigan: an inter-jurisdictional management problem, Invited seminar series, Cornell University  
Lake trout, zebra mussels, and artificial reefs. Invited informal seminar, Cornell Biological Field Station
- 1998 Lake trout restoration, invited seminar, Laval University, Quebec  
The elements of an effective zebra mussel monitoring program. Invited presentation at the Conference on Zebra Mussels in Ireland; Galway, Ireland  
Ecological effects of zebra mussels. Invited presentation at the Conference on Zebra Mussels in Ireland; Galway, Ireland
- 1997 Aquatic Invaders and Ecosystem Change in the Great Lakes, invited presentation at Biological Invasions: Consequences and Ecological Restoration - A Watson Armour III Spring Symposium at the Field Museum of Natural History, Chicago  
Lake trout in Lake Michigan: past, present, future, invited seminar, U. Wisconsin-Milwaukee
- 1996 Yellow perch research on Lake Michigan, School of Natural Resources, University of Vermont  
Round gobies, National Sea Grant media briefing on aquatic exotics and their impacts. Chicago IL  
Summary of research on round gobies, research symposium organized by the Great Lakes Panel on Exotic Species, Ann Arbor MI  
The Great Lakes: molded by exotic species, managed for exotic species, plenary session, Illinois Chapter of the AFS Meetings, Chicago, IL
- 1995 Genetics and taxonomy of *Dreissena* in North America, with A. P. Spidle and B. May. American Society of Zoologists, symposium on zebra mussels, St. Louis  
Potential causes of the decline of yellow perch in Lake Michigan, Illinois constituents meeting hosted by IL Dept. of Conservation, Des. Plaines, IL  
Zebra mussels and exotic species in Lake Michigan, Dept. of Forestry and Natural Resources, Purdue U.
- 1994 seminar on lake trout ecology, Lake Forest College  
seminar on lake trout restoration, Virginia student chapter AFS, Virginia Polytechnic Institute  
seminar on zebra mussels, Virginia Polytechnic Institute  
Potential causes of the decline of yellow perch in Lake Michigan, Lakewide Perch Conference, Kenosha WI  
Stock identification and mixed stock analysis: biochemical and analytic tools for fisheries conservation, restoration, and management, IAGLR Conference, Windsor, Ontario
- 1993 Genetic aspects of species restoration in the Great Lakes, guest lecture, Illinois student chapter of the American Fisheries Society, Champaign, IL  
Overview of research related to lake trout restoration in the Great Lakes, guest lecturer, Stone Biological Laboratory, Ohio State University  
Settling preferences of zebra mussels, Army Corps of Engineers Conference, Chicago, IL

- Refinements in the monitoring of veligers and newly settled adults. Michigan Sea Grant Conference  
Zebra Mussels in Michigan, E. Lansing, MI
- Genetic effects of hatchery rearing on stocked fish, Fish Ecology course, Stone Biological  
Laboratory, Ohio State University
- Studying lake trout reproduction with genetics and SCUBA, Department of Biology, Illinois-  
Wesleyan University, Bloomington IL
- 1992 Redesigning the Great Lakes ecosystem with the introduction of exotic species. Illinois Natural  
History Survey seminar, Champaign, IL
- Lake trout restoration in the Great Lakes, Loyola University, Department of Biology, Chicago, IL.  
Ecology of Lake Michigan. US Environmental Protection Agency, Chicago, IL
- Laboratory analysis of zebra mussels. Illinois Department of Public Works, Springfield, IL.
- Lab analysis of zebra mussels, Illinois section of the American Water Works Assoc., Arlington  
Heights, IL
- Impacts of accidental introductions, National Audubon Society workshop on Native Fish, Introduced  
Fish, and Genetically Engineered Fish, Washington, DC
- Monitoring techniques for zebra mussels, Zebra Mussel Workshop '92 held by the US Army Corps  
of Engineers and the Tennessee Valley Authority, Nashville, TN
- Standardized methods for zebra mussel monitoring, Michigan Sea Grant Zebra Mussel Workshop, E.  
Lansing, MI
- Zebra mussel biology, Illinois River Basin Zebra Mussel Workshop, Clinton, IL
- Update on zebra mussels in the Great Lakes, Nature of Illinois Foundation Board of Trustees meeting,  
Chicago, IL
- 1991 Overview of the zebra mussel invasion: biology, impacts, and projected spread, Governor's  
Conference on the Management of the Illinois River System, Peoria, IL
- Standardized zebra mussel monitoring protocols, Ontario Ministry of Natural Resources Zebra  
Mussel Workshop, Toronto, Ont.
- Monitoring protocols, Ohio River Basin Commission and the Upper Mississippi River Basin  
Association meeting, Ft. Mitchell, KY
- What are zebra mussels - why are they a problem?, Calumet Regional Industrial Zebra Mussel  
Conference, Merrville, IN
- Lake trout restoration in the Great Lakes, University of Wisconsin colloquium, Milwaukee, WI
- Zebra mussels, Lake Forest College, Department of Biology seminar series, Lake Forest, IL
- Lake trout restoration in the Great Lakes, University of Illinois at Chicago, Dept. of Ecology and  
Evolution
- 1990 The formation and decline of the Great Lakes ecosystem. Chicago Academy of Sciences
- 1989 Rehabilitation of lake trout in Lake Ontario, University of Rochester, Department of Physics

## **OUTREACH ACTIVITIES**

### **PUBLIC PRESENTATIONS AND WORKSHOPS**

- 2025 Public presentation about Thunder Bay reefs at NOAA Thunder Bay National Marine Sanctuary
- 2024 Lake Champlain Basin Program "Love the Lake" series, 'The Good, the Bad, and the Ugly – a  
perspective on invasive species'
- 2023 Talk on round goby to Federation of Vermont Lakes and Ponds,
- 2019 Presentation to Lake Champlain Trout Unlimited, Plattsburgh NY
- 2018 Moderator and panelist, "The Lake Between/Le Lac qui nous unit" conference, Burlington, VT
- 2017 Talk on Lake Champlain history and research, Wake Robin, VT
- 2016 Keynote speaker, World Water Day Celebration, Champlain Basin Education Initiative, Burlington  
VT
- Fish ecology talk, Fisheries Leadership Institute (a Lake Champlain Sea Grant initiative); Crown  
Point NY
- Progress toward lake trout restoration, Central Vermont Trout Unlimited, Burlington, VT

- 2015 Lake trout suppression in Yellowstone Lake. Central Vermont Trout Unlimited, Burlington VT  
Tracking lake trout with acoustic telemetry. Angler's Forum Workshop, Burlington VT
- 2014 ROVs, AUVs, and Acoustic Telemetry - Studying Fish with Modern Technology, invited presentation at ECHO Science Center, Burlington, VT  
Invited talk on Champ to the Visiting Nurses Association, Burlington, VT  
From Cat(o)s to Fleas – Updates from Lake Champlain and Beyond, New York chapter of Trout Unlimited, Plattsburgh NY  
Familiar Issues, Emerging Issues, Lake Champlain Committee Annual meeting, Burlington, VT  
Fish Response to Reef Restoration in Thunder Bay, Thunder Bay National Marine Sanctuary, Alpena, MI
- 2013 Lake trout suppression in Yellowstone Lake. Central Vermont Trout Unlimited, guest speaker
- 2012 Reef Restoration in Thunder Bay, Lake Huron – outreach day, Alpena, MI  
Invited talk on Fish and Fisheries of Lake Champlain, Elder Education Enrichment, Oct. 5 2012
- 2011 Reef Restoration in Thunder Bay, Lake Huron – outreach day, Alpena, MI
- 2010 Seminar at Johnson State College
- 2009 Presentation to New York chapter of Trout Unlimited, Plattsburgh, NY
- 2007 Presentation on research to Central Vermont Chapter, Trout Unlimited
- 2005 Lake trout restoration: searching the deeps for fish eggs, Lake Champlain Basin Program Love the Lake program, Grand Isle VT  
The not-so silent deeps: how fishes communicate, ECHO Center, Burlington VT
- 2004 Fish lectures presented to ECHO Center volunteers for training  
Presentation to Lake Champlain Kayaker's Club, North Hero, VT
- 2003 Fish lectures presented to ECHO Center volunteers for training  
Presentations on lamprey and lake trout research to Lake Champlain Trout Unlimited, Plattsburgh NY, and Vermont Central chapter of Trout Unlimited, Burlington VT
- 2002 Research on lake trout and sea lamprey, invited talk to the Central Vermont Chapter of Trout Unlimited, Burlington, March 5, 2002  
Changing Habitats – aquatic nuisance species, Lake Champlain Basin Initiative Summit 2002: Explore the diversity of the Lake Champlain Basin, Shelburne Farms, May 15.
- 2001 Invited lecturer on fish hatchery genetics for aquaculture course given by Vermont State personnel for New England culturists; Feb 27, 2001  
Lake trout and sea lamprey research on Lake Champlain, invited talk to Trout Unlimited, Plattsburgh NY  
Funky fish facts, Center for Lake Champlain 4<sup>th</sup> annual Wednesday speaker series, Burlington VT  
Fishes of Lake Champlain, Lake Champlain Basin Science Center teacher training workshop  
Invited lecturer on fish hatchery genetics for aquaculture course given by Vermont State personnel for New England culturists; Feb 27, 2001  
Zebra mussel effects on lake ecosystems and cycles, 3-hr lecture as part of Earth, Water, Sky, a series of teacher training workshops organized by Horace Puglisi, Essex School District
- 2000 Biology of a Large Lake, presentation to EcoPeers II, a teacher training event at the Lake Champlain Basin Science Center  
Skulls, a public presentation at the Lake Champlain Basin Science Center (with Mark Freeman)  
Exotic species in Lake Champlain, Summit 2000, Basin Harbor Club
- 1999 Lake Champlain Fish Ecology, to Lake Champlain Basin Science Center volunteers, Burlington VT  
Round gobies and other invaders on the horizon, public meeting on fish invaders convened by the Lake Champlain Committee, Plattsburgh NY
- 1998 Presentation on Lake Champlain fishes, to Lake Champlain Science Center volunteers, Burlington VT  
Diving and fisheries research, Waterfront Diving Center, Burlington VT  
Biological invasion of the lakes; Framin' the Basin Summer Institute (middle school teacher training workshop)

- 1997 Invaders on the horizon, presented at The Lake Invaders, a public meeting convened by the Lake Champlain Committee, Plattsburgh NY  
Native freshwater fishes, presentation to the Tropical Fish Club of Burlington, VT
- 1996 Presentation on lake trout, Oak Brook Trout Unlimited chapter, Oak Brook IL  
Presentation on Lake Michigan yellow perch, Sport Fishing Convention, Rosemont IL  
Exotic species in our lakes: more than just zebra mussels, Illinois Lake Management Association Annual Conference, Lisle IL  
Lake Michigan Ecology, banquet presentation at the Abbott Labs chapter of Sigma Xi, Grayslake IL
- 1995 The changing Lake Michigan fishery. Illinois Steelheaders, Wheeling IL  
Research diving talk to West Shore Aquasports dive club, Beach Park IL  
Zebra mussel talk to Chicago Water Reclamation District, IL
- 1994 Status of yellow perch and lake trout in southern Lake Michigan, Ad Hoc Fishing Council, Chicago IL  
Informal lunch discussion to the Zion Exchange Club, IL  
Update on yellow perch in Lake Michigan, Ad Hoc Fishing Council, Chicago IL
- 1993 Zebra mussels in Lake Michigan, Great Lakes Naval Base Yacht Club, IL  
Fisheries research on Lake Michigan, North Point Marina, IL, sponsored by Illinois Beach State Park, IL  
Participant, information acquisition session for CNN, coordinated by AFS Fisheries Action Network, Chicago  
presentation on INHS Lake Michigan research to the Lake Michigan Federation, Chicago IL  
Zebra mussel identification and monitoring techniques, workshop held at the Lake Michigan Biological Station for Nalco Chemical Co. personnel  
Zebra mussel identification and monitoring techniques, workshop held at the Lake Michigan Biological Station for Martin Marietta personnel  
Focus on Lake Michigan - Native life, at Science Connections, a conference sponsored by the Chicago Botanic Garden, Glencoe IL  
Zebra mussels in Lake Michigan: where they are, what they're doing, and who they affect. Lake Michigan Water Analysts 1993 Winter Conference. Mundelein, IL
- 1992 Lake trout restoration, Oak Brook Chapter of Trout Unlimited, Oak Brook, IL  
Presentation to the Illinois Chapter of Salmon Unlimited about lake trout research, Elmwood, IL  
Research at the Lake Michigan Biological Station, Wisconsin Science Writers, Milwaukee, WI
- 1991 Zebra mussel biology, Underwater Archeological Society of Chicago, Chicago IL  
Discussion on zebra mussels, Illinois Outdoor Writer's Conference, Alton IL  
Lake trout research in Lake Michigan, Indiana chapter of Salmon Unlimited, Gary, IN  
Update on zebra mussel sightings, West Shore Water Producers Association summer meeting, Glencoe, IL
- 1990 Update on the Lake Trout Propagation in Lake Ontario, Lake Ontario Charter Boat Association, Buffalo, NY
- 1989 Cornell Summer College, Explorations in Biology and the Health Professions, Ithaca, NY
- 1988 Lake trout spawning in Lake Ontario, Niagara County Fish Advisory Board, Olcott, NY  
The Future of Lake Trout, Lake Ontario Charter Boat Association, Buffalo, NY
- 1987 Careers in Fisheries, 4-H leaders in-service training presentation, Ithaca, NY  
Lake trout restoration, Cortland chapter of Trout Unlimited, Cortland, NY

## NEWS AND MEDIA

- 2025 (Matt Futia). [Article in FishSens](#); Interview with Lauri Munroe-Hultman on lake trout restoration for article on USFWS web site; Lake trout restoration story: interviews by Adirondack Explorer, Vermont Digger; stories in WCAX, NBC5 (<https://vtdigger.org/2025/04/11/native-lake-trout-the-dweller-of-the-deep-has-retuned-to-thrive-in-lake-champlain/>); <https://www.adirondackexplorer.org/stories/native-lake-trout-success-story-in-lake-champlain->

- [stocking-to-end-this-year](#); Vermont Public Radio (Morning Edition, All Things Considered) May 22, 2025 <https://www.vermontpublic.org/local-news/2025-05-22/wild-lake-trout-populations-rebounded-lake-champlain-scientists-dont-know-why>; Interview on Interlochen Public Radio's [Points North](#) podcast about history of Sea Grant and Lake Champlain as a Great Lake, June 2025 - <https://www.interlochenpublicradio.org/podcast/points-north/2025-07-18/a-good-not-great-lake>; interview about Champ for ECHO display; article in Bridge Michigan about declining lake whitefish and dreissenid mussels, June 2025; interview with Alpena News about artificial reefs and work with Sanctuary <https://www.thealpenanews.com/news/2025/09/successful-artificial-reefs-and-more-research-in-thunder-bay/>
- 2024 interview with Zachary Matson, Adirondack Explorer, for story on restoration of lake trout in Lake Champlain; interviewed by Josh Brown, UVM Communications, for future article on research capacity and projects on the Marcelle Melosira
- 2023 Interviews with Daniel Schoenherr, Environmental Reporter for Great Lakes Echo, on Thunder Bay artificial reefs; Evan Thorne, Field Naturalist Program at UVM, for article in *Fieldnotes*; Teresa Homs, WCMU Public Media, Central Michigan University, on Thunder Bay artificial reefs; Kira Corasanti, reporter for Vermont Community News Service, on lake trout stocking cut, April 2023; Michael Frett, reporter for The Islander (VT) on lake trout stocking cuts; Eileen Fitzgerald, Lake Champlain Committee, interviews on lake trout recovery and stocking cuts; North Avenue News Katie Futterman, Seven Days, interview about effect of floods on fishes
- 2022 Burlington Free Press interview on reduced ice on Champlain; Cat Viglienzoni, WCAX about effect of less ice on Champlain; Dana Homlund, Adirondack explorer, about L. Champlain power line project; underwater footage used by Sarah Pagura for Detroit Public TV's series [Great Lakes Now](#); graduate project highlighted in blog for Global Underwater Explorers; panelist on VPR Morning Edition with Mikaela Lefrak on invasives and blue-green algae blooms; provided information, photos, edits for Lake Champlain Committee 'Lake Look' article on fish in winter
- 2021 Article by Andrew Blok for 30-yr retrospective on discovery of zebra and quagga mussels in North America, for Great Lakes Now; Kelly House, Environment Reporter, Bridge Michigan; article on lake trout stocking cuts, Adirondack Explorer; live radio interview about lake trout stocking cuts, Ric Cengeri, WDEV Waterbury; WCAX Wildlife Watch segment on lake trout restoration; underwater footage of lake trout used by Discovery Channel; underwater footage of lake trout used by Green Bag Entertainment for 'Planet Snoop'
- 2020 Ry Rivard, Adirondack Explorer (Champlain Canal barrier)
- 2019 Vermont Edition with Jane Lindholm (exotic species issues)
- 2018 Axios Science News; WPTZ, WCAX (lake trout restoration)
- 2017 Vermont Edition with Jane Lindholm (lake trout restoration); Brian MacQuarrie, Boston Globe (lake trout restoration); WCAX Vermont Public TV; Alpena News; Discovery Channel; Comcast News; Ted Williams for The Nature Conservancy; Adirondack Explorer; [UVM communications video](#); Tom Messner on NBC News Plattsburgh
- 2015 Candy Page, Burlington Free Press (Lake Champlain fishes); Wilson Ring, Associated Press (IAGLR conference); Vermont Edition, Jane Lindholm, VPR (IAGLR conference)
- 2014 Interviews with Bill Rappal for book on invasives; Joshua Brown, article in Vermont Quarterly; Seven Days article on Lake Champlain fish as a local food; Joel Baird, Burlington Free Press, on Lake Champlain fisheries; provided outreach materials on exotic species to the Lake Champlain Maritime Museum for interpretive displays
- 2013 WPTZ Conservation Correspondent; Peter Payette, Michigan Radio (Thunder Bay artificial reef project)

- 2012 StoryHouse Productions for National Geographic special on lake monsters; segment of River Monsters TV program on lampreys; VPR about spiny water flea; Anya Hueneke, Public Television, on lake research; WCAX Public Television with Jason Stockwell on spiny water flea invasion; Candace Page for Burlington Free Press on spiny water flea invasion; VTDigger on effects of Hurricane Irene on stream fishes; John Dillon on VPR on Missisquoi Bay fish kill; Josh Brown on story for Vermont Quarterly; WBKB news Channel 11, Alpena, MI on Thunder Bay project; Alpena News, on Thunder Bay project; National Geographic for Animal Planet program on Champ and other cryptozoology; UVM Today article by Joshua Brown on lake trout field research; Vermont Edition, VPR with Jane Lindholm on lake trout research
- 2011 National Geographic segment on lake monsters; Channel 3 VT; channel 11 news Alpena, MI
- 2010 Interviews with Candace Page on whitefish research, Burlington Free Press; Jeff Meyers, Press-Republican
- 2009 Interview with Sam Hemingway for Burlington Free Press on Champ sighting  
Interviewed by undergraduate for article in "Vermont Women"
- 2008 Victor Guadagno, Emerging Science TV Program with Vermont Public Television and VT EPSCoR, on aquatic food webs  
David Filipov, Boston Globe - sea lamprey
- 2007 Michelle Nijhuis, High Country News, CO – interview about quagga mussel invasion in Lake Mead
- 2006 Tamarack Media - provided material for a Lake Champlain documentary for Sea Grant  
Burlington Free Press; History Channel,; Travel Channel
- 2005 National Wildlife Magazine; Mountain Lake PBS, Plattsburgh NY; Travel Channel; Voice of America radio, NY; New York Times
- 2004 WAMC Public Radio Plattsburgh; Plattsburgh Press-Republican.
- 2003 Northern Sky News; Rutland Times-Argus; Across the Fence (local public television); Food for Thought (local public radio, 4 broadcasts); Champlain 2000 Channel 5 News Plattsburgh (3 segments); Channel 3 News (2 segments); Burlington Free Press; Rutland Herald (2 articles); AP article in Burlington Free Press; Fox TV News, Boston; Saint Michael's College on-line newspaper; Seven Days (local Burlington paper).
- 2002 Plattsburgh Press-Republican; Burlington Free Press; Lake Champlain Weekly; Colchester Chronicle; Plattsburgh Republican; Champlain 2000 Channel 5 News Plattsburgh (3 segments); Seven Days (Burlington local paper); CBC TV.
- 2001 Champlain 2000 Channel 5 News Plattsburgh
- 2000 Steve Swanson, Chicago Tribune; Madeleine Bouton, Rutland Herald; freelance writer for the Lake Champlain Committee
- 1999 Pat Bradley, WAMC Public Radio Plattsburgh; Julie Becker, UVM extension radio program Food for Thought (4 segments); Jeff Meyers, Press Republican VT; Nina Keck, Vermont Public Radio
- 1998 John Raby, Minnesota Public Radio; Steve Swanson, Chicago Tribune; Pat Bradley, WAMC radio Plattsburgh NY; Sheryl Gaster, Wisconsin Public Radio, call-in talk show; Leah Hansen, CKLW radio, Windsor, Ontario; Vermont Quarterly magazine; Shane Tritsch, Chicago Tribune; Madeleine Bodun, Rutland Herald
- 1997 Julie Becker, UVM Extension radio program Food for Thought; Channel 5 news, Plattsburgh NY
- 1996 Ann Witner, Peoria Star; WXFM Mt. Zion, Decatur, IL; Alan Krashesky, Eyewitness News, Channel 7 Chicago; Lee Ann Spencer, Chicago Tribune; Judy Wang, CLTV News Chicago; Aaron Freeman on the Moira Tapp program, WBEZ Chicago Public Radio; Caroly Waller, Daily Herald, Vernon Hills IL; LeeAnn Spencer, Chicago Tribune; John Husar, Chicago Tribune; Peter Kendall, Chicago Tribune; Kevin Carmondy, IN Southtown News; Peter Kendall, Chicago Tribune; Chicago Reader; John Husar, Chicago Tribune; invited participant in media briefing organized by National Sea Grant - Alien Invaders, Ecological Threats

- 1995 Dave Mall, Field and Stream; Guy Meadows, Illinois radio station; Mara Tapp and David Slafsky, WBEZ Chicago Public Radio; Tim Zorn, Chicago Post-Tribune; Mr. Whitt, Hammond IN Times; Susan Degrane, Chicago Reader; Celeste Bush, Chicago Sun-Times; Dean Rebuffoni, Minneapolis Star-Tribune; Don Johnson, North American Fisherman Magazine.
- 1994 Kathy Anderson, Channel 7 News Chicago; Paul Smith, Journal Times Racine; Tom Bolbot, Illinois Outdoor News Network; Steve Swanson, Chicago Tribune; WDNR (use of zebra mussel slide for public leaflet); Voice of America, Chicago; John Husar, Chicago Tribune;
- 1993 Peter Fredericci, Chicago Tribune; Joel Oppemeir, North-Western University journalism student; Lee Ann Spencer, Chicago Tribune; Chuck Stultz, Detroit News Herald; Mike McKeefe, Michigan City News Dispatch; S. Botts, freelance for Chicago Reader; John Husar, Chicago Tribune; reporter, Atlantic Constitution; reporter, Northwestern University; Randy Hess, Lakeland Boating Magazine; Neal Singer, Champaign-Urbana News Bureau; Mike Matulis, State Journal Register; Springfield IL; Laune Guering, Chicago Tribune; Cindy Humphries, Carbondale IL newspaper; Lieter Cloutier, CBC French Radio, Toronto; Steve Swanson, Chicago Tribune.
- 1992 WNIJ Public Radio, Rockford IL; Mark Etkind, "Scientific American Frontiers" Public TV; Jay Kumar, Bass Times; Vicki Urbenick Chesterton Tribune; Tom Apple, Waterways Magazine; Guy Campanile, "Down to Earth" series, WBBN Chicago; Kathy Anderson, Channel 7; Tome Spears, Ottawa Citizen; Amy Hanson, Port Huron, MI; Linda Yu, WLS TV Chicago; Peter Gurie, Toronto Star; Jack Grazier, Erie Daily Times; Giselle Owenvill, CBS; Patty Sisson, "Soundings"; RayTyson, USA Today; Peter Fredericci, Chicago Reader; LeeAnn Spencer, Chicago Tribune.
- 1991 North Shore Tonight, Illinois local TV news program; Simeon Moss, Ithaca Journal; Chris Taylor, Watertown Times; Jill Zelichson, Rochester Times Union; WSKG; NY Times; AMICAS (National Defense Council); St. Louis Waterways (weekly magazine); "compass" magazine; Steve Swanson, Chicago Tribune; Belleville News Democrat; WMAX II; Lake Michigan Federation; Post-Tribune, Gary IL; DuPage College radio; WI Sea Grant Institute; WLS-TV, channel 7

#### Video footage

- StoryHouse Productions for National Geographic special on lake monsters, 2012  
 River Monsters episode on sea lampreys, 2012  
 Chasing Discovery video, 2008  
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 Various Sea Grant and University of Vermont publications

**Training and certifications**

NAUI Open water scuba diver 1978

NAUI Scientific Diver 1979

PADI Rescue Diver, Divemaster 1985

NAUI High-altitude dive certification, drysuit certification 2013

Wilderness First Aid, 2014

USGS certified diver, 2015