

Kelly Filer Robinson

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EDUCATION

Ph.D., Forest Resources (Fisheries Science), **University of Georgia**, Athens, GA, May 2011
M.S., Marine Biology, **College of Charleston**, Charleston, SC, December 2006
B.A., Biology, Spanish, **University of Virginia**, Charlottesville, VA, May 2001

PROFESSIONAL EXPERIENCE

March 2016–present. Assistant Professor. Quantitative Fisheries Center, Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI.

April 2015–February 2016. Independent Consultant- Decision Analysis and Data Analysis.

March 2012–March 2015. Postdoctoral Research Associate. New York Cooperative Fish and Wildlife Research Unit, Department of Natural Resources, Cornell University, Ithaca, NY.

January 2007–August 2011. Graduate Research Assistant / Research Professional III. Georgia Cooperative Fish and Wildlife Research Unit, University of Georgia, Athens, GA.

September 2006–December 2006. Laboratory Technician, Freshwater Fish Ecology Lab, University of Georgia, Athens, GA.

May 2004–August 2006. Graduate Research Assistant, South Carolina Department of Natural Resources, Charleston, SC.

October 2002–May 2003. Laboratory Technician, Fish Systematics Lab, Old Dominion University, Norfolk, VA.

July 2001–May 2002. Biomolecular Research Facility DNA Sequencing Lab, University of Virginia, Charlottesville, VA.

CONTRACTS AND GRANTS (TOTAL ACQUIRED: \$1,652,254)

13. Brenden, T., M. Jones, **K. Robinson**. Lake Productivity Modeling to Estimate Capacity to Support Double-Crested Cormorant Predation. Michigan Department of Natural Resources, **\$110,000**, January 2020 – June 2021.
12. Murphy, C., L. Ivan, **K. Robinson**, S. Sitar, J. Bence. Assessment of Sea Lamprey Parasitism Sublethal Impacts on Siscowet and Lean Lake Trout Populations. Great Lakes Fishery Commission, **\$128,750**, January 2020 – December 2021.
11. **Robinson, K.**, M. Jones, R. Clark, B. Roth. Updated Decision Analysis to Inform Multi-Species Salmonine Management in Lake Michigan. Michigan Sea Grant, **\$149,540**, February 2020 – January 2022.
10. **Robinson, K.**, M. Kornis, D. Bunnell, J. Janssen, S. Riley, B. Weidel, D. Hondorp, M. Vinson. Evaluating the Effects of Increased Predator and Competitor Abundances on Slimy Sculpin Populations in the Great Lakes. Great Lakes Fishery Commission, **\$243,744**, January 2020 – December 2024.
9. **Robinson, K.**, M. Jones, R. Clark, M. Kornis, C. Bronte, K. Pangle. Assessing the Contribution of Wild Chinook Salmon from Lakes Huron and Michigan to the Lake Michigan Sport Fishery Using Otolith Microchemistry. Great Lakes Fishery Trust, **\$131,129**, October 2019 – September 2021.

8. **Robinson, K.** Continued Coordination for Workshops with Grass Carp Structured Decision Making Working Group. Michigan Department of Natural Resources, **\$28,575**, March 2019 – September 2019.
7. **Robinson, K.,** M. Jones, Y. Jiao. Managing Lake Erie walleye (*Sander vitreus*) in the face of uncertain natural mortality and climate-related effects on recruitment. Great Lakes Fishery Commission, **\$63,994**, January 2019 – December 2020.
6. **Robinson, K.** Consequences of Connectivity. Great Lakes Fishery Commission, **\$301,000**, January 2019 – December 2023.
5. Anctil, A., D. Bessette, S. Moore, M. Ruty, **K. Robinson**. Examining the Impacts of and Improving Decision-Making Processes for Offshore Wind Development in the U.S. Great Lakes. MSU Interdisciplinary Team Building Initiative, **\$10,000**, June 2018 – May 2020.
4. **Robinson, K.,** S. Herbst, J. Boase, J. Francis, M. DuFour, T. Brenden, P. Kočovský, K. Scribner, J. Robinson. Implementing and evaluating grass carp control actions in Lake Erie. Michigan Invasive Species Grant Program, **\$250,400**, April 2018 – March 2020.
3. **Robinson, K.** Professional Development Micro-grant, MSU College of Agriculture and Natural Resources, **\$2,500**, June 2017.
2. **Robinson, K.,** M. Jones. Grass Carp Structured Decision Making to Inform Adaptive Management Framework. Michigan Department of Natural Resources, **\$80,000**, December 2016 – September 2017.
1. **Robinson, K.,** M. Khoury, A. Milt, D.J. Shook, L. Walter. Comparison of Decision Making Techniques for Selection of River Connectivity Projects in the Michigan Fruitbelt. Great Lakes Fishery Commission, **\$152,622**, October 2016 – October 2018.

CONTRACTS AND GRANTS (IN PREP/ SUBMITTED)

1. Bennett, A., **K.F. Robinson**, J. Viridin. CNH2-S: Governing social-ecological linkages: Policy pathways to sustainable fisheries and nutrition security. National Science Foundation, **\$614,000**, submitted November 15, 2019.

PEER-REVIEWED PUBLICATIONS

Published

15. **Robinson, K.F.,** M. DuFour, M. Jones, S. Herbst, T. Newcomb, J. Boase, T. Brenden, D. Chapman, J. Dettmers, J. Francis, T. Hartman, P. Kocovksy, B. Locke, C. Mayer, J. Tyson. In press. A collaborative response to invasive grass carp in Lake Erie through a structured decision making process. *Journal of Great Lakes Research*.
14. Lin, H., **K.F. Robinson**, L. Walter. 2020. Prioritizing road-stream crossing upgrades based on erosion risk and the impact on migratory species. *River Research and Applications* 36:371-382.
13. Lennox, R., G.A. Bravener, Lin, H., C.P. Madenjian, A.M. Muir, C.K. Remical, **K.F. Robinson**, A.M. Rous, M.J. Siefkes, M.P. Wilkie, S.J. Cooke. 2020. Potential changes and challenges to the biology and management of invasive sea lamprey *Petromyzon marinus* in the Laurentian Great Lakes due to climate change. *Global Change Biology* 26:1118-1137.
12. Lin, H., **K.F. Robinson**, M. Jones, L. Walter. 2019. Using structured decision making to overcome scale mismatch challenges in barrier removal for watershed restoration. *Fisheries* 44:545–550.
11. **Robinson, K.F.,** A.K. Fuller, R.C. Stedman, W.F. Siemer, D.J. Decker. 2019. Integration of social and ecological science in natural resource decision making: challenges and opportunities. *Environmental Management* 63(5):565–573.
10. Lin, H., **K.F. Robinson**, A. Milt, L. Walter. 2019. The application of web-based decision support tools and the value of local information in prioritizing barrier removal, a case study in northwest lower Michigan, USA. *Journal of Great Lakes Research* 45:360–370.
9. Lin, H., **K.F. Robinson**. 2019. How do migratory fish populations respond to barrier removal in spawning and nursery grounds? *Theoretical Ecology*. doi.org/10.1007/s12080-018-0405-0

8. **Robinson, K.F.**, A.K. Fuller, M.V. Schiavone, B.L. Swift, D.R. Diefenbach, W.F. Siemer, D.J. Decker. 2017. Addressing wild turkey (*Meleagris gallapavo*) population declines using structured decision making. *Journal of Wildlife Management* 81(3): 393–405.
7. **Robinson, K.F.**, A.K. Fuller, J.E. Hurst, B.L. Swift, A. Kirsch, J. Farquhar, D.J. Decker, W.F. Siemer. 2016. Structured decision making as a framework for large-scale wildlife harvest management decisions. *Ecosphere* 7(12): e01613.
6. Cohen, J., A. Hecht, **K.F. Robinson**, E.E. Osnas, A.J. Tyre, C. Davis, A. Kocek, B. Maslow, S. Melvin. 2016. To exclose nests or not: structured decision making for the conservation of a threatened species. *Ecosphere* 7(10): e01499.
5. **Robinson, K.F.**, D.R. Diefenbach, A.K. Fuller, J.E. Hurst, C.S. Rosenberry. 2014. Can managers compensate for coyote predation of white-tailed deer? *Journal of Wildlife Management* 78: 571–579.
4. **Robinson, K.F.**, C.A. Jennings. 2014. Productivity of functional guilds of fishes in managed wetlands in coastal South Carolina. *Journal of Fish and Wildlife Management* 5: 70–86.
3. **Robinson, K.F.**, C.A. Jennings. 2014. A comparison of resident fish assemblages in managed and unmanaged coastal wetlands in North Carolina and South Carolina, USA. *Southeastern Naturalist* 13: 237–260.
2. **Robinson, K.F.**, C.A. Jennings. 2012. Maximizing recruitment of age-0 spot (*Leiostomus xanthurus*) from a South Carolina estuary: an evaluation of coastal impoundment management alternatives via structured decision-making. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 4: 156–172.
1. **Filer, K.R. [K.F. Robinson]**, G.R. Sedberry. 2008. Age, growth and reproduction of the barrelfish *Hyperoglyphe perciformis* (Mitchill) in the western North Atlantic. *Journal of Fish Biology* 72: 861–882.

In review

2. DuFour, M., **K.F. Robinson**, M. Jones, S. Herbst. In review. A matrix population model to aid grass carp (*Ctenopharyngodon idella*) management in the Great Lakes Basin – Lake Erie. *Journal of Great Lakes Research*.
1. **Robinson, K.F.**, A.K. Fuller, M.L. Jones. In review. Using structured decision making to incorporate ecological and social values into harvest decisions: case studies of walleye, deer, and turkey. In: *Harvest of Fish and Wildlife: New Paradigms for Sustainable Management*. K. Pope and L. Powell, editors.

In preparation

9. Matthias, B., **K.F. Robinson**, M.L. Jones. In prep. Foraging arena theory and walleye (*Sander vitreus*) recruitment in Lake Erie. To be submitted to *Fisheries Research*.
8. J.B. Hume, Almeida P.R., Buckley C.M., Criger L.A., Madenjian C.P., **Robinson K.F.**, Wang C., Muir A.M. In prep. Managing native and non-native sea lamprey (*Petromyzon marinus*) populations in the face of anthropogenic change: a prospective assessment of key threats and uncertainties. To be submitted to *Journal of Great Lakes Research*.
7. Cook, J., W. Porter, **K.F. Robinson**. In prep. An expert-elicited approach to inform risk assessments for chronic wasting disease. To be submitted to *Ecosphere*.
6. **K.F. Robinson**, C.R. Bronte, D.B. Bunnell, P. Euclide, D. Hondorp, J. Janssen, M. Kornis, S. Riley, M. Vinson, Volkel, S., B. Weidel. In prep. A synthesis of the biology and ecology of sculpin species in the Laurentian Great Lakes and implications for the adaptive capacity of the benthic ecosystem. To be submitted to *Reviews in Fisheries and Aquaculture Science*.
5. **Robinson, K.F.**, A. Drake, M. Koops, E. Rutherford, H. Zhang. In prep. A typology of uncertainty in bioenergetics and food web modeling for Asian carps in the Great Lakes: implications and actions for management. To be submitted to the *Journal of Great Lakes Research*.

4. Volkel, S., K.F. Robinson, D.B. Bunnell, D. Hondorp, B. Weidel, E. Roseman, S. Riley. In prep. Slimy sculpin (*Cottus cognatus*) and round goby (*Neogobius melanostomus*) spatial overlap in the Great Lakes following round goby invasion. To be submitted to Canadian Journal of Fisheries and Aquatic Science
3. Volkel, S., K.F. Robinson, D.B. Bunnell, D. Hondorp, B. Weidel, E. Marsden, M. Vinson, E. Roseman, S. Riley. In prep. Changes in the condition of slimy (*Cottus cognatus*) and deepwater (*Myoxocephalus thompsonii*) sculpins in the Great Lakes associated with shifts in benthic species composition.
2. Siefkes, M., S. Miehl, **K.F. Robinson**. In prep. Historic sea lamprey (*Petromyzon marinus*) abundances in the Great Lakes. To be submitted to the Journal of Great Lakes Research.
1. Buckley, C., K.F. Robinson, H. Lin, A.M. Muir, L. Walter. In prep. Barrier removal, sea lamprey (*Petromyzon marinus*) management, and a changing climate in the Great Lakes.

BOOK CHAPTERS

1. **Robinson, K.F.**, A.K. Fuller. 2017. Guiding stakeholders through the process: Participatory modeling and structured decision making. In: Including Stakeholders in Environmental Modeling: Considerations, Methods, and Applications. S. Gray, M. Paolisso, S. Gray, and R. Jordan, editors.

TECHNICAL REPORTS

9. Lin, H., K.F. Robinson, L. Walter. 2018. Structured decision making for barrier removal prioritization. Workshop report to the Ohio Department of Natural Resources, Sandusky, OH.
8. Volkel, S., K.F. Robinson. 2017. First sculpin workshop report. Report to the Great Lakes Fishery Commission, Ann Arbor, MI.
7. Jones, M.L., T.B. Steeves, S. Nowicki, **K.F. Robinson**, L. Peterson, A.J. Jensen. 2017. Accounting for potential effects on fish production from barrier removals to inform management decisions: an application of structured decision making. Report to the Great Lakes Fishery Commission Science Transfer Board, Ann Arbor, MI.
6. Wood, J., S. Veloz, G. Block, **K.F. Robinson**. 2016. San Pablo Bay National Wildlife Refuge Climate Adaptation Plan. Report to the San Pablo Bay NWR and San Francisco Bay Joint Venture, San Francisco, CA.
5. **Robinson K.F.**, C. Brown-Lima, C. Marschner, P. Barrett, R. Williams, A. Locke, H. Mosher, S. Young, B. Quirion, L. Gailor, M. Marquand, L. Rohleder, B. Blossey, S. Bachman, J. Dean, D. Adams, L. Suprenant, M. Taylor, B. O'Brien. 2015. Developing criteria for invasive species priority setting in New York State. Report from the structured-decision making workshop, Cornell University, Ithaca, NY.
4. **Robinson, K.F.**, A.K. Fuller. 2015. A structured decision making approach to white-tailed deer buck harvest management in New York State. Report to the New York State Department of Environmental Conservation, Albany NY.
3. **Robinson, K.F.**, A.K. Fuller. 2015. A structured decision making approach to mitigating wild turkey population decline in New York State. Report to the New York State Department of Environmental Conservation, Albany, NY.
2. Huning, B., B.J. Mattsson, C. Sloop, G. Block, J. Cummings, W. Murray, **K.F. Robinson**. 2015. Developing a spatially-explicit climate adaptation framework for estuarine ecosystems of the San Francisco Bay: Climate Adaptation for Decision Support. San Francisco Bay Joint Venture, Fairfax, CA.
1. Hecht, A., **K.F. Robinson**, E.E. Osnas, J. Cohen, A.J. Tyre, D. Brinker, C. Davis, M. Hake, L. Johnson, E. King, A. Kocek, B. Maslow, S. Melvin, T. Pover, L.M. Zitske, D.C. Brewer, F. Johnson. 2014. Balancing demographic benefits and risks of using predator exclosures on U.S. Atlantic Coast piping plover nests. National Conservation Training Center, Shepherdstown,

WV. <http://training.fws.gov/courses/ALC/ALC3159/reports/final-reports/2014FR/Hecht-et-al-2014-Piping-Plover-Predator-Enclosures.pdf>

OTHER PUBLICATIONS

1. **Robinson, K.F.**, C. Barans, M. Arendt. 2018. Predictions of the presence of coastal pelagic fishes off Georgia, USA, from local oceanographic and biological conditions. Proceedings of the 70th Gulf and Caribbean Fisheries Institute 70:315–323.

INVITED SEMINARS AND PRESENTATIONS

8. **Robinson, K.F.**, M.L. Jones. 2020. Updating the predator-prey ratio to evaluate stocking strategies for all salmon and trout species. Ludington Regional Fishery Workshop. Ludington, MI, February 1.
7. **Robinson, K.F.** 2020. Structured decision making for sustainable fisheries. 75th Annual Convention of the Ontario Commercial Fisheries Association. Niagara Falls, ON, January 10–12.
6. **Robinson, K.F.**, A.K. Fuller, M.V. Schiavone, D.R. Diefenbach, W.F. Seimer. 2019. A structured decision making approach to addressing wild turkey population declines. INFORMS Annual Meeting. Seattle, WA, October 20–23.
5. **Robinson, K.F.**, A.K. Fuller, M.L. Jones. 2019. Using structured decision making to incorporate ecological and social values into harvest decisions: case studies of walleye, deer, and turkey. Joint Meeting of the American Fisheries Society and the Wildlife Society. Reno, NV, September 29–October 3.
4. **Robinson, K.F.**, H. Lin, L. Walter. 2019. Using decision analysis to incorporate ecological and social science into barrier removal decisions. 62nd Annual Conference of the International Association for Great Lakes Research. Brockport, NY, June 10–14.
3. **Robinson, K.F.** 2017. Introduction to structured decision making. Strategic Discussion of National Asian Carp Management and Control. Springfield, IL, January 18–19.
2. **Robinson, K.F.** 2013. Structured decision making in natural resources management. Cornell University, Department of Natural Resources Fall Seminar Series, Ithaca, NY, October 29.
1. **Robinson, K.F.**, C.A. Jennings. 2011. A comparison of the fish communities in managed and unmanaged wetlands in coastal South Carolina. Fort Johnson Marine Science Seminar Series, Charleston, SC, August 26.

CONTRIBUTED PRESENTATIONS (*Presenter)

25. Nathan, L.*, M. DuFour, S. Herbst, T. Newcomb, **K.F. Robinson**. 2019. Structured decision making and adaptive management of AIS responses: an application to grass carp in Lake Erie. 21st International Conference on Aquatic Invasive Species, Montreal, Canada, October 27–31.
24. Young, R.*, J. Boase, T. Brenden, J. Buszkiewicz, S. Herbst, P. Kocovsky, C. Mayer, L. Nathan, J. Navarro, **K.F. Robinson**, E. Weimer. 2019. Ongoing efforts to control grass carp in the Detroit River and tributaries to western Lake Erie. Joint Meeting of the American Fisheries Society and the Wildlife Society. Reno, NV, September 29–October 3.
23. Buckley, C.*, H. Lin, **K.F. Robinson**. 2019. Predicting the effects of climate change and barrier failure on sea lamprey production in the Great Lakes. 3rd Sea Lamprey International Symposium, Detroit, MI, July 28–August 2. (Invited poster)
22. Nathan, L.*, **K.F. Robinson**, J. Boase, T. Brenden, J. Buszkiewicz, M. DuFour, J. Francis, S. Herbst, P.M. Kocovsky, J. Robinson, K. Scribner, S. Thomas, R. Young. 2019. Implementation of grass carp adaptive management response actions in Lake Erie. 62nd Annual Conference of the International Association for Great Lakes Research. Brockport, NY, June 10–14.
21. Raupp, J.*, L. Nathan, **K.F. Robinson**. 2019. Evaluating sampling gear type's ability to predict the impact of Asian carp species within the Great Lakes. University Undergraduate Research and Arts Forum at Michigan State University, East Lansing, MI, April 5. (poster)

20. Nathan, L.*, **K.F. Robinson**, J. Boase, T. Brenden, J. Buskiewicz, M. DuFour, J. Francis, S. Herbst, P.M. Kocovsky, J. Robinson, K. Scribner, S. Thomas, R. Young. 2019. Adaptive management of Lake Erie grass carp: reducing uncertainties while implementing response strategies. Michigan Fish and Wildlife Conference, Gaylord, MI, March 14.
19. **Robinson, K.F.***, S. Herbst, T. Newcomb, M. DuFour, M. Jones. 2018. Grass carp SDM: informing the grass carp response in Michigan and Ohio. Great Lakes Panel on Aquatic Nuisance Species Meeting, Ann Arbor, MI, November 7–8.
18. **Robinson, K.F.***, S. Herbst, T. Newcomb, M. DuFour, M. Jones. 2018. Using adaptive management to control grass carp in Lake Erie. The Cooperative Institute for Great Lakes Research Annual All Partners Meeting, Ann Arbor, MI, September 21. (poster)
17. Lin, H.*, **K.F. Robinson**. 2018. How do migratory fish populations respond to habitat enhancement in spawning and nursery grounds? Annual Meeting of the American Fisheries Society, Atlantic City, NJ, August 20–24.
16. **Robinson, K.F.***, S. Herbst, T. Newcomb, M. DuFour, M. Jones. 2018. A collaborative response to invasive grass carp in Lake Erie through an adaptive management process. Annual Meeting of the American Fisheries Society, Atlantic City, NJ, August 20–24.
15. Volkel, S.*, **K.F. Robinson**, D. Bunnell, D. Hondorp, B. Weidel, E. Roseman, S. Riley. 2018. Slimy sculpin and round goby spatial overlap in the Great Lakes following round goby invasion. 61st Annual Conference of the International Association of Great Lakes Research, Toronto, Canada, June 18–22.
14. DuFour, M., **K.F. Robinson***, S. Herbst, T. Newcomb, M. Jones. 2018. Using adaptive management to combat Lake Erie grass carp. 61st Annual Conference of the International Association of Great Lakes Research, Toronto, Canada, June 18–22.
13. Lin, H.*, **K.F. Robinson**, A. Milt, L. Walter. 2018. The application of web-based decision support tools and the value of local information in prioritizing barrier removal, a case study in northwest lower Michigan, USA. Society for Freshwater Science, Detroit, MI, May 20–24.
12. **Robinson, K.F.***, S. Herbst, M. DuFour, T. Newcomb, M. Jones. 2018. Adaptive management as a framework for invasive grass carp actions in Lake Erie. Joint meeting of the AMCS and CAMNet, University of Nebraska, Lincoln, NE, March 19–22.
11. DuFour, M.*, **K.F. Robinson**, M. Jones, S. Herbst, T. Newcomb. 2018. Collaboratively managing Lake Erie grass carp through a structured decision making process. Midwest Fish and Wildlife Conference, Milwaukee, WI, January 28–30.
10. **Robinson, K.F.***, C. Barans, M. Arendt. 2017. Predictions of the presence of coastal pelagic fishes off Georgia, USA, from local oceanographic and biological conditions. 70th Annual Conference of the Gulf and Caribbean Fisheries Institute, Mérida, Mexico, November 6–10.
9. DuFour, M., S.J. Herbst*, N.D. Popoff, T. Newcomb, J. Francis, R. Carter, J. Navarro, M. Jones, **K.F. Robinson**, T.O. Brenden, A. Mahon, K. Pangle, J. Tyson. 2017. Multi-jurisdictional collaborations and structured approach for grass carp control in Lake Erie. International Conference on Aquatic Invasive Species. Fort Lauderdale, FL, October 26.
8. Fuller, A.K.* , **K.F. Robinson**, R.C. Stedman, W.F. Siemer. 2017. Integration of social and ecological sciences for natural resource decision making: challenges and opportunities. Annual Meeting of The Wildlife Society, Albuquerque, NM, September 23–27.
7. **Robinson, K.F.***, A.K. Fuller, D.R. Diefenbach, M. Casalena, M.V. Schiavone. 2014. A structured decision-making approach to regulated fall turkey harvest in New York and Pennsylvania. 70th Annual Northeast Fish and Wildlife Conference (Northeast Association of Fish and Wildlife Agencies), Portland, ME, April 13–15.
6. **Robinson, K.F.***, W.L. Fisher. 2013. A structured decision-making approach to fish stocking in Owasco Lake, NY. Annual Meeting of the American Fisheries Society, Little Rock, AR, September 9–13.
5. **Robinson, K.F.***, A.K. Fuller. 2013. A structured decision-making approach to white-tailed deer (*Odocoileus virginianus*) buck harvest management in New York State. 69th Annual

Northeast Fish and Wildlife Conference (Northeast Association of Fish and Wildlife Agencies), Saratoga Springs, NY, April 7–9.

4. **Robinson, K.F.***, C.A. Jennings. 2012. Maximizing recruitment of YOY spot (*Leiostomus xanthurus*) from a South Carolina estuary: an evaluation of coastal impoundment management alternatives via structured decision-making. Adaptive Management Conference Series, Cornell University, Ithaca, NY, June 12–14.
3. **Robinson, K.F.***, C.A. Jennings. 2011. Productivity of functional guilds of fishes in managed wetlands in coastal South Carolina. Annual Meeting of the American Fisheries Society, Seattle, WA, September 4–8.
2. **Robinson, K.F.***, C.A. Jennings. 2011. A comparison of resident fish communities in managed and unmanaged wetlands in North Carolina and South Carolina, USA. Annual Meeting of the American Fisheries Society, Seattle, WA, September 4–8.
1. **Robinson, K.F.***, C.A. Jennings. 2011. Productivity of functional guilds of fishes in managed wetlands in coastal South Carolina. Joint Meeting of Society of Wetland Scientists, WETPOL, and Wetland Biogeochemistry Symposium, Prague, Czech Republic, July 3–8.

SCIENTIFIC AND PUBLIC SERVICE AND EDUCATION

Courses Taught

2. **Spring Semester 2019**. Instructor, Adaptive Management of Natural Resource Systems (FW 854), Michigan State University, East Lansing, MI.
1. **Spring Semester 2017**. Co-Instructor, Adaptive Management of Natural Resource Systems (FW 854), Michigan State University, East Lansing, MI.

Student and Postdoctoral Research Associate Advising

Current Graduate Students

2. Shane Flinn, Ph.D., Evaluating the consequences of restoring connectivity to tributaries to the Great Lakes
1. Connor Buckley, M.S., Effects of climate change on the use of barriers to control sea lamprey populations in the Great Lakes

Current Postdoctoral Research Associates

1. Dr. Jason Fischer, Adaptive management efforts for the control of grass carp in Lake Erie

Current Graduate Student Advisory Committees

3. Emily Dean, Ph.D., Department of Fisheries and Wildlife, Michigan State University
2. Alex Wright, Ph.D., Department of Integrative Biology, Michigan State University
1. Jonathan Cook, Ph.D., Department of Fisheries and Wildlife, Michigan State University

Former Undergraduate Students

1. Jamie Raupp, Effects of habitat on catchability of common carp in Lake Erie

Former Graduate Students and Current Affiliations

1. Shea Volkel, M.S., University of South Florida Ph.D. program

Former Postdoctoral Research Associates and Current Affiliations

4. Dr. Bryan Matthias, United States Fish and Wildlife Service
3. Dr. Hsien-Yung Lin, Carlton University, Ottawa
2. Dr. Mark DuFour, Ohio Department of Natural Resources
1. Dr. Lucas Nathan, Michigan Department of Natural Resources

Former Graduate Student Advisory Committees and Current Affiliations

1. Cleo Harris, M.S., Michigan Department of Natural Resources

Decision Analysis Leadership and Training Provided

13. Facilitator and decision analyst, Structured Decision Making for Nonnative Salmonid Stocking and Walleye Harvest Management in the Ontario Waters of Lake Huron, Ontario Ministry of

- Natural Resources, Forestry / Fisheries Management Zone Councils, First Nations, and Metis Nation of Ontario, November 2019–present.
12. Instructor, Structured Decision Making, One-day workshop at the Joint Meeting of the American Fisheries Society and the Wildlife Society. Reno, NV, September 29.
 11. Instructor, Adaptive Management, National Conservation Training Center, Shepherdstown, WV, September 16–20, 2019.
 10. Facilitator and decision analyst, Online Tools, Decision Making, and Barrier Removal. A workshop for biologists and managers, Ohio Department of Natural Resources, Westlake, OH, September 25, 2018.
 9. Facilitator and decision analyst, Structured Decision Making for the Management of Elk in Alberta, Canada, Canmore, Alberta, Canada, August 1–2, 2018.
 8. Instructor, Structured Decision Making for Natural Resources Management. An introductory workshop for biologists and managers, Alberta Environment and Parks, Alberta, Canada, July 30–31, 2018.
 7. Facilitator and decision analyst, Structured Decision Making for the Management of Grass Carp in Lake Erie, East Lansing, MI, December 2016–October 2017.
 6. Facilitator and Instructor, Fish Production and Barrier Removals: A Structured Decision Making Workshop for Great Lakes Fisheries Managers, Detroit, MI and Toronto, ON, November 14–17, 2016.
 5. Facilitator and Core Team member, San Pablo Bay National Wildlife Refuge Adaptation Plan, Petaluma, CA, February–December 2016.
 4. Workshop leader, Structured Decision Making and Natural Resources Management. Developed and led a workshop for the leaders of the Freshwater Fisheries and Wildlife sections of the South Carolina Department of Natural Resources, December 9, 2014.
 3. Structured decision-making coach, San Francisco Bay Climate Adaptation Decision Support, developing decision analytic tools to conserve San Francisco Bay estuarine ecosystems, April 2014–March 2015.
 2. Apprentice coach, Balancing Demographic Benefits and Risks of Using Predator Exlosures on U.S. Atlantic Coast Piping Plover Nests, USFWS/USGS Structured Decision Making Workshop, National Conservation Training Center, Shepherdstown, WV, December 9–12, 2013.
 1. Netica expert, decision model workshop for conservation of the endangered Allegheny woodrat, State College, PA, March 11–13, 2013.

Scientific Workshops Conducted

1. Organized and facilitated workshop on the sculpins of the Great Lakes for the Great Lakes Fishery Commission's Re-establishment of Native Deepwater Fishes theme. Great Lakes Science Center, Ann Arbor, MI. June 5–6, 2017.

Departmental Service

6. Member, review panel, Theodore Roosevelt Conservation and Environmental Leadership Fellowship, December 2019–present.
5. Member, Search Committee for QFC co-director Faculty Position in Fisheries and Wildlife, November 2019–present.
4. Member, Ad-hoc Major Moves Space Committee, Department of Fisheries and Wildlife, April 2019–present.
3. Member, Search Committee for GLATOS Faculty Position in Fisheries and Wildlife, August 2018–February 2019.
2. Faculty Advisor, Annual Fisheries and Wildlife Graduate Student Organization Research Symposium, April 2018–February 2019.
1. Scribe for faculty meetings, Fall 2016 – Spring 2017.

Service to Academic Community

6. Participant/Reviewer, Binational Ecological Risk Assessment for Black Carp in the Great Lakes Basin, Milwaukee, Wisconsin, December 4–6, 2018.
5. Guest associate editor, special edition of the Journal of Great Lakes Research on research and management of Chinese aquaculture carps in the Laurentian Great Lakes, November 2018–present
4. Member, Great Lakes Fishery Commission Board of Technical Experts, Fishery Research Board, December 2017–present.
3. Member, Great Lakes Fishery Commission Sea Lamprey Research Board, December 2016–present.
2. Co-chair of the Cornell University Department of Natural Resources Postdoctoral Researcher Association, Fall 2013–Spring 2014.
1. Chaired the technical session “Wetlands Management I” at the Joint Meeting of Society of Wetland Scientists, WETPOL, and Wetland Biogeochemistry Symposium, Prague, Czech Republic, July 2011.

Service to Broader Community

3. Guest Scientist (video chat), Tuscaloosa County High School (Alabama) Class, “What it’s like to be a Fisheries Biologist,” February 26, 2019.
2. Guest Scientist (video chat), Tuscaloosa County High School (Alabama) Class, “What it’s like to be a Fisheries Biologist,” March 1, 2018.
1. Science Panelist, Great Lakes Science in Action Symposium, Central Michigan University, October 20, 2017.

Rendering Scientific Judgment

I have provided peer reviews for the following journals:

13. Biological Conservation
12. Cahiers de Biologie Marine
11. Ecological Indicators
10. Environmental Modelling and Software
9. Integrated Environmental Assessment and Management
8. Journal of Fish Biology
7. Journal of Great Lakes Research
6. Journal of Wildlife Management
5. Land Use Policy
4. North American Journal of Fisheries Management
3. Proceedings of the Southeastern Association of Fish and Wildlife Agencies
2. Wetlands Ecology and Management
1. Wildlife Society Bulletin

I have provided peer reviews for the following books:

1. Case studies in decision analysis for natural resource management, D. Smith, editor

I have provided peer reviews for the following granting organizations:

2. Great Lakes Fishery Commission
1. Wisconsin Sea Grant

I have served as a United States Geological Survey Fundamental Science Practices reviewer

Service Presentations and Writing

4. Reversing Wild Turkey Population Declines. 2014. Article for the Wildlife Management Institute Magazine.

3. The Ecology of Fishes in Impoundments in Coastal South Carolina. October 2007. Poster and presentation at Friends of Nemours fundraiser
2. The Elusive Barrelfish: an Enigma Wrapped in a Mystery. Written for Estuary to the Abyss cruise of NOAA Ocean Exploration project, August 2004.
1. Expanding Fisheries and Fishery Potential on the Blake Plateau. Written for Estuary to the Abyss cruise of NOAA Ocean Exploration project, August 2004.
<http://oceanexplorer.noaa.gov/explorations/04etta/background/fisheries/fisheries.html>

Professional Society Membership and Offices Held

4. Sigma Xi Scientific Research Society, associate member
3. American Fisheries Society, member
2. International Association of Great Lakes Research, member
1. University of Georgia Student Subunit of the American Fisheries Society, member, Secretary May 2008–December 2009

TECHNICAL TRAINING RECEIVED

14. Mental Health First Aid Adult Certification, Michigan State University, November 22, 2019
13. First Day of Class: Success on Day 1, Success Throughout, workshop participant, MSU STEM Teaching Essentials Workshop, August 21, 2019.
12. Introduction to Bayesian Modeling with Stan, CSTAT, MSU, June 7, 2018.
11. Adaptive Management, workshop participant, National Conservation Training Center, Shepherdstown, WV, September 11–15, 2017.
10. So You Have all of this Assessment Data, Now What?, workshop participant, MSU College of Agriculture and Natural Resources Teaching Workshop, April 20, 2017.
9. Collaboration and Conflict Transformation, workshop participant, National Conservation Training Center, Shepherdstown, WV, November 28–December 2, 2016.
8. Decision Analysis: Tools, workshop participant, National Conservation Training Center, Shepherdstown, WV, March 3–8, 2013
7. Decision Analysis: Expert Elicitation and Facilitation, workshop participant, National Conservation Training Center, Shepherdstown, WV, December 3–7, 2012
6. Likelihood and Bayesian Approaches to Data Analysis for Ecologists, workshop participant, State University of New York College of Environmental Science and Forestry, Syracuse, NY, May 29–June 2, 2012
5. Advanced Structured Decision Making practicum, participant, National Conservation Training Center, Shepherdstown, WV, (remote-access), March 12–16, 2012
4. USFWS/USGS Structured Decision Making Workshop, observer, National Conservation Training Center, Shepherdstown, WV, February 6–10, 2012
3. Emerging Leaders Program, Graduate School of the University of Georgia, October 2010
2. Motorboat Operator Certification Course, US Department of the Interior, Lake Russell, GA, August 2009
1. Defensive Driving Certification, US Geological Survey, November, 2013

MY RESEARCH IN THE MEDIA

4. Kobilinsky, D. 2018. Are Turkeys in Trouble? Managers Search for Answers. *Wildlife Professional*. 12(6): 18–26.
3. Travis, J. 2018. Fishy Comings and Goings in Area Waters. *Traverse City Record Eagle*. September 16.
2. Dau., J. 2017. Aquatic Invaders: Defending the Great Lakes from Invasive Species. *Futures Magazine*, Michigan State University, AgBioResearch.
1. Baggaley, K. 2017. Wild turkeys are in trouble. *Popular Science*. <https://www.popsci.com/wild-turkey-decline?dom=rss-default&src=syn>

