

Martin J. Hamel

Associate Professor; University of Georgia
Warnell School of Forestry and Natural Resources
hamel@uga.edu | 706-542-1477

EDUCATION

PhD, Natural Resource Sciences University of Nebraska-Lincoln, Lincoln, NE	December 2013
MS, Wildlife and Fisheries Sciences South Dakota State University, Brookings, SD	May 2006
BS, Conservation Management/Biology Upper Iowa University, Fayette, IA	May 2003

PROFESSIONAL RESEARCH EXPERIENCE

<u>Years</u>	<u>Position</u>	<u>Institution</u>
2022-Present	Associate Professor	University of Georgia
2019-Present	Adjunct Professor	University of Nebraska-Lincoln
2019-2022	Assistant Professor	University of Georgia
2014-2019	Research Assistant Professor	University of Nebraska-Lincoln
2008-2014	Research Technologist II	University of Nebraska-Lincoln
2006-2008	Fisheries Biologist I	Nebraska Game and Parks Commission

PROFESSIONAL SERVICES AND ACTIVITIES

- Member, American Fisheries Society (2004-present)
- President, Education Section of the AFS (2016-present)
- Faculty advisor, UGA student subunit of the AFS (2019-present)
- Independent Science Advisory Panel member, Missouri River Recovery Implementation Committee

MENTEES OVER THE PREVIOUS 5 YEARS

- 11 Graduate (6 current)
- 3 Undergraduate (theses/research projects)
- 2 Research Associates (2 current)

TEACHING

- Fisheries Management (FISH 5360/7360)
- Age and Growth of Fishes (FISH 8300)
- Conservation Conversations (FYOS 1001)
- Natural Resources Conservation (FANR 1100E)

RECENT RESEARCH PUBLICATIONS (36 Total Peer-reviewed Publications)

Yeager, J.W., Bonvechio, T.F. & Hamel, M.J. 2024. Population demographics and angler exploitation of Suwannee Bass. *North American Journal of Fisheries Management* 44:415-427.

Yeager, J.W., Bonvechio, T.F. & Hamel, M.J. 2024. Movement dynamics and habitat selection of Suwannee bass *Micropterus notius*. *Hydrobiologia* 851(5):1153-1167. <https://doi.org/10.1007/s10750-023-05379-0>

Werner, J.P., Q.D. Dean, M.A. Pegg, and M.J. Hamel. 2023. Patterns in spatial use and movement of Silver Carp among tributaries and main-stem rivers: Insight from otolith microchemistry analysis. *Biological Invasions* 25(2):471-484. DOI: <https://doi.org/10.1007/s10530-022-02927-y>

- Dean, Q.D., J.P. Werner, M.A. Pegg, and M.J. Hamel. 2022. Blue catfish population characteristics and dispersal along a great plains river gradient. *River Research and Applications* 38(6):1179-1191. DOI: 10.1002/rra.3985
- Pegg, M.A., M.J. Hamel, J. Koch, and D. Buckmeier. 2022. Creating a digital repository of calcified structures from known-age fishes, a century in the making. *Fisheries* 47(8):357-360 DOI: 10.1002/fsh.10773
- Werner, J.P., Q.D. Dean, M.A. Pegg, and M.J. Hamel. 2022. Spatial variability of Silver Carp population demographics in a large tributary river. *North American Journal of Fisheries Management* 42(4):882-892. DOI: 10.1002/nafm.10777
- Dean, Q., M.A. Pegg, and M.J. Hamel. 2021. Temporal patterns of capture, retention rates and efficacy of bank poles in the Kansas River: A novel sampling tool for catfish managers. *North American Journal of Fisheries Management* 41:S379-S387 DOI: <https://doi.org/10.1002/nafm.10627>
- Hamel, M.J., J.J. Spurgeon, M.A. Pegg, and K.D. Steffensen. 2020. Uncovering unique plasticity in life history of an endangered centenarian fish. *Nature Scientific Reports* <https://doi.org/10.1038/s41598-020-69911-1>
- Hamel, M.J., J.J. Spurgeon, and M.A. Pegg. 2020. Catfish population characteristics among river segments with altered fluvial-geomorphic conditions in the Missouri River, NE, USA. *North American Journal of Fisheries Management* <http://dx.doi.org/10.1002/nafm.10478>
- Goto, D., M.J. Hamel, J.J. Hammen, M.L. Rugg, M.A. Pegg, and V.A. Forbes. 2020. Divergent density feedback control of migratory predator recovery following sex-biased perturbations. *Ecology and Evolution* <https://doi.org/10.1101/828244>

GRANTS/FUNDING

16 funded projects totaling research funds >\$2.9 million

RECENT RESEARCH PRESENTATIONS (126 TOTAL PRESENTATIONS)

- Simon, T., and M.J. Hamel. 2024. Can otolith microchemistry inform sportfish stocking program? Georgia Chapter of the American Fisheries Society, LeGrange, GA.
- Nolan, J.D., A.T. Bond, H. Rider, A.G. Fox, and M.J. Hamel. 2024. Coastal migratory behavior of juvenile Atlantic Sturgeon (*Acipenser oxyrinchus oxyrinchus*) from the South Atlantic Distinct Population Segment. Georgia Chapter of the American Fisheries Society, LeGrange, GA.
- Bond, A.T., H. Rider, J. Nolan, A.G. Fox, and M.J. Hamel. 2024. A statistical model to assess juvenile Atlantic Sturgeon age based on length and Julian day. Georgia Chapter of the American Fisheries Society, LeGrange, GA.
- Rider, H., A. Bond, J. Nolan, A.G. Fox, and M.J. Hamel. 2024. Validating Shortnose Sturgeon age estimates from known age fish. Georgia Chapter of the American Fisheries Society, LeGrange, GA.
- Schumber, Z., M. Baker, B. Irwin, M.J. Hamel, and P. Hazelton. 2024. Habitat and landscape characteristics affecting *Corbicula* presence in the upper Savannah River drainage. Georgia Chapter of the American Fisheries Society, LeGrange, GA.
- Browning, E., W. Gerrin, J. Shelton, B. Shamblyn, M.J. Hamel, P. Hazelton, S. McNair, A. Musolf, B. Ammen, and R. Bryne. Aquatic nuisance species in Georgia: current status of weather loach research by UGA Warnell School of Forestry and Natural Resources. Georgia Chapter of the American Fisheries Society, LeGrange, GA.
- Perry, S., M. Phillips, B. Irwin, and M.J. Hamel. 2024. Movement and habitat use of Lake Sturgeon in the Coosa River System in Georgia. Georgia Chapter of the American Fisheries Society, LeGrange, GA.

- Phillips, M., S. Perry, B. Irwin, and M.J. Hamel. 2024. Abundance and evidence of natural recruitment of reintroduced Lake Sturgeon in the Coosa River, Georgia-Alabama. Georgia Chapter of the American Fisheries Society, LeGrange, GA.
- Phillips, M., S. Perry, B. Irwin, and M.J. Hamel. 2024. Growth and abundance of reintroduced Lake Sturgeon in the Coosa River, Georgia – Alabama. Southern Division of the American Fisheries Society, Chattanooga, TN.
- Nolan, J.D., A.T. Bond, H. Rider, A.G. Fox, and M.J. Hamel. 2024. Coastal migratory behavior of juvenile Atlantic Sturgeon (*Acipenser oxyrinchus oxyrinchus*) from the South Atlantic Distinct Population Segment. Southern Division of the American Fisheries Society, Chattanooga, TN.
- Rider, H., A. Bond, J. Nolan, A.G. Fox, and M.J. Hamel. 2024. Validating Shortnose Sturgeon age estimates from known age fish. Southern Division of the American Fisheries Society, Chattanooga, TN.
- Faherty, T., J. Shelton, P. Hazelton, M.J. Hamel, W. Gerrin, S. McNair, K. Evans, and B. Shamblin. 2024. Mitochondrial and nuclear genetic markers suggest at least three introductions of Weather Loach (*Misgurnus anguillicaudatus*) introductions in Georgia. Southern Division of the American Fisheries Society, Chattanooga, TN.
- Bond, A.T., H. Rider, J. Nolan, A.G. Fox, and M.J. Hamel. 2024. A statistical model to assess juvenile Atlantic Sturgeon age based on length and Julian day. Southern Division of the American Fisheries Society, Chattanooga, TN.
- Hamel, M.J., J.D. Koch; M.A. Pegg, and D. Buckmeier. 2023. A proposed publicly available known-age fish structure repository. 7th International Otolith Symposium, Vina Del Mar, Chile – South America.
- Phillips, M., S. Perry, B. Irwin, and M.J. Hamel. 2023. Growth and longevity of Lake Sturgeon in the Coosa River in Georgia. American Fisheries Society annual meeting, Grand Rapids, MI.
- Perry, S., M. Phillips, B. Irwin, and M.J. Hamel. 2023. Movement and habitat use of Lake Sturgeon in the Coosa River system in Georgia. American Fisheries Society annual meeting, Grand Rapids, MI.
- Davis, V., R. Bringolf, P. Sakaris, T. Bonvechio, and M.J. Hamel. 2023. Diet composition of introduced blue catfish populations in four major rivers in Georgia. American Fisheries Society annual meeting, Grand Rapids, MI.
- Hamel, M.J. and W. Gerrin. 2023. Trace element concentrations in Georgia waters: applications for future fish microchemistry studies. Georgia Chapter of the American Fisheries Society, St. Simons, GA.
- Davis, V., T. Bonvechio, R. Bringolf, P. Sakaris, and M. Hamel. 2023. Diet composition of introduced blue catfish populations in four major rivers of Georgia. Georgia Chapter of the American Fisheries Society, St. Simons, GA.
- Phillips, M., B. Irwin, and M. Hamel. 2023. Growth and longevity of Lake Sturgeon in the Coosa River system in Georgia. Georgia Chapter of the American Fisheries Society, St. Simons, GA.
- Amman, B., W. Gerrin, P. Hazelton, J. Shelton, B. Shamblin, and M. Hamel. CSI Warnell: Investigating the source, dispersal, and recruitment of the Weather Loach using otolith microchemistry. Georgia Chapter of the American Fisheries Society, St. Simons, GA.
- Perry, S., B. Irwin, and M. Hamel. 2023. Movement and habitat use of Lake Sturgeon in the Coosa River system in Georgia. Georgia Chapter of the American Fisheries Society, St. Simons, GA.
- McNair, S., W. Gerrin, J. Shelton, B. Shamblin, M. Hamel, and P. Hazelton. 2023. Approach of the loach: Genetics. Georgia Chapter of the American Fisheries Society, St. Simons, GA.
- D'Ercole M., M. Hamel, P. Hazelton, A. Kaeser, and A. Fox. 2023. Flow regime and recruitment in Gulf Sturgeon in the Apalachicola River. Georgia Chapter of the American Fisheries Society, St. Simons, GA.