

MARTIN J. HAMEL

Associate Professor
University of Georgia
Warnell School of Forestry and Natural Resources
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EDUCATION

PhD 2013 University of Nebraska, Lincoln; Natural Resource Sciences – Applied Ecology Specialization;
Dissertation: Determining *Scaphirhynchus* Sturgeon Population Demographics and Dynamics:
Implications for Range-Wide Management, Recovery, and Conservation; Advisor: M.A. Pegg

MS 2006 South Dakota State University; Wildlife and Fisheries Sciences – Fisheries Specialization;
Thesis: Behavioral Responses of Rainbow Smelt to Sensory Deterrent Systems; Advisor: M.L.
Brown

BS 2003 Upper Iowa University; Conservation Management and Biology; Senior Thesis Project:
Crepidostomum in Rock Bass (*Ambloplites rupestris*); Advisor: R. Klann

AAS 2001 Kirkwood Community College; Parks and Natural Resources

PROFESSIONAL APPOINTMENTS

2022-present Associate Professor, Warnell School of Forestry and Natural Resources, University of Georgia
2019-2022 Assistant Professor, Warnell School of Forestry and Natural Resources, University of Georgia
2019-present Adjunct Professor, School of Natural Resources, University of Nebraska
2014-2019 Research Assistant Professor, School of Natural Resources, University of Nebraska-Lincoln
2008-2014 Research Technologist II – River Ecology Specialist, School of Natural Resources, University of Nebraska-Lincoln
2006-2008 Fisheries Biologist I, Nebraska Game and Parks Commission
2004-2006 Graduate Research Assistant, South Dakota State University

GRANTS/FUNDING

Hamel, M.J., M.A Pegg, D. Buckmeier, and J. Koch. Creating a digital repository of calcified structures from known-age fishes. Multistate Conservation Grant Program – Wildlife and Sportfish Restoration. Total award: \$428,854

Hamel, M.J., and A. Fox. Assessing reproduction and recruitment dynamics of Atlantic and Shortnose Sturgeon in Georgia coastal rivers. National Marine Fisheries Council, 2022-2024. Total award: \$786,586 (split 50%).

Hamel, M.J., B. Irwin, and J. Kirsch. Determining critical knowledge in life history of Lake Sturgeon in the Coosa River basin, Georgia. FY22 Science Support Partnership; U.S. Fish and Wildlife Service – 2021-2024. Total award: \$85,770 (split 50%).

Hamel, M.J., and B. Irwin. Evaluation of Lake Sturgeon in the Coosa River. Georgia Department of Natural Resources. 2021-2023. Total award: \$145,324 (split 70%-30%).

Hamel, M.J. Spatial changes in trace element water chemistry across river basins of Georgia with applications for fish movement. Office of Research, University of Georgia, 2021-2023. Total award: \$23,562

Hamel, M.J. Determining movement dynamics, life history attributes, and angler exploitation of Suwannee Bass in Georgia. Georgia Department of Natural Resources, 2020-2021. Total award: \$96,668

Hamel, M.J. Evaluating impacts on sportfish dynamics following the establishment of hydrilla in Lake Sinclair, Georgia. Georgia Power Company, 2020-2021 Total award: \$137,500 (split 50%)

Hamel, M.J., and M.A. Pegg. Blue Catfish Management in the Kansas River. Kansas Wildlife, Parks and Tourism, 2018-2020. Total award: \$206,000 (split 50%)

Hamel, M.J., and M.A. Pegg. Status of Invasive Carps in the Kansas River. Kansas Wildlife, Parks and Tourism, 2018-2020. Total award: \$200,000 (split 50%)

Hamel, M.J., and M.A. Pegg. Continuation: Biological Monitoring of Restored Chutes and Effectiveness in Offsetting Adverse Effects from Levee Construction at the Camp Ashland Training Site for the Nebraska Army National Guard (NEARNG) Environmental Branch. Nebraska Army National Guard, 2017 – 2020. Total award: \$175,777 (split 50%)

Pegg, M.A., and M.J. Hamel. Pallid Sturgeon Movement in the Lower Platte River. Nebraska Game and Parks Commission, 2017-2018. Total award: \$24,802 (split 50%)

Hamel, M.J., and M.A. Pegg. Biological Monitoring of Restored Chutes and Effectiveness in Offsetting Adverse Effects from Levee Construction at the Camp Ashland Training Site for the Nebraska Army National Guard (NEARNG) Environmental Branch. Nebraska Army National Guard, 2014 – 2017. Total award: \$196,946 (split 50%)

Pegg, M.A., and M.J. Hamel. Riverine Sportfish Ecology and Management. Nebraska Game and Parks Commission, 2014 – 2019. Total award: \$401,210 (split 50%).

Burgin, A., M. Pegg, M. Hamel, J. Spurgeon, and J. Hammen. Conservation of large-river fishes: a complementary approach to determine population structure and river-of-origin. UNL Research Council Grant-in-Aid, 2013. Total award \$6,500

Not-awarded

Irwin, B., M. Freeman, S. Wenger, M. Hamel, P. Hazelton, and A. Fox. Advancing understanding of flow effects on fishes and mussels to guide water management under a changing climate. Climate Adaptation Science Center. Total award: \$183,798 – *Not funded*

Hamel, M.J. CAREER: A holistic approach to studying biotic responses to dam removal in a highly fragmented river system. National Science Foundation. 2021-2026. Total award: \$885,237 – *Not funded*

Wenger, S., M. Hamel, and D. Leigh. Adaptively managing for Robust Redhorse: A range-wide collaboration to address data gaps, assess potential environmental threats, and implement conservation actions. 2022-2024. Total award: \$261,288 – *Not funded*

Hamel, M.J. Determining population dynamics, movement, and natal river origin of the invasive Blue Catfish in major river systems of Georgia. Gulf States Marine Fisheries Commission. Total award: \$48,302.10 – *Not funded*

Hamel, M.J., and A. Fox. Population dynamics and life history of Atlantic and Shortnose Sturgeon in the Altamaha and Savannah Rivers, Georgia, National Marine Fisheries Council, 2021-2023. Award requested: \$551,248 (split 50%) – *Not funded*

Hamel, M.J., and J. Glomb. Examining the efficacy of novel techniques for assessing hydrilla and its ecological impact in large reservoirs. North American Plant Management Society, 2020. Award requested: \$40,000 – *Not funded*

Hamel, M.J. Tributary Use of Pallid Sturgeon. Mohamed bin Zayed Species Conservation Fund. 2017. Award requested: \$23,600 – *Not funded*

Pope, K., and M.J. Hamel. Effects of Invasive Carp on Algal and Invertebrate Biomass in the Missouri National Recreational River. National Park Service, 2016-2019. Award requested: \$226,435 – *Not funded*

Hamel, M.J. Lower Platte River Biological Monitoring. Nebraska Environmental Trust, 2017-2020. Award requested: \$76,237 – *Not funded*

Pope, K., and M.J. Hamel. Longitudinal Assessment of Aquatic Macroinvertebrate Communities in Backwater and Side-Channel Habitats in the 59-mile District of Missouri National Recreational River, 2015-2018. Award requested: \$217,862 – *Not funded*

PEER-REVIEWED PUBLICATIONS

Authorship key: **Self** – bold
Graduate Student Supervised – underline
Undergraduate Student Supervised - italics

35. 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 DOI: 10.1002/rra.3985

34. 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 DOI: 10.1002/fsh.10773

33. 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 DOI: 10.1002/nafm.10777

32. Werner, J.P., Q.D. Dean, M.A. Pegg, and **M.J. Hamel**. 2022. Patterns in spatial use and movement of Silver Carp among tributaries and main-stem rivers: Insight from otolith microchemistry analysis. Biological Invasions. DOI: <https://doi.org/10.1007/s10530-022-02927-y>

31. 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>

30. **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>

29. **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>

28. 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>
27. Uerling, C.C., **M.J. Hamel**, and M.A. Pegg. 2019. Fish community response to habitat variables in two restored side channels of the lower Platte River, Nebraska. *River Research and Applications* 35:178-187; DOI: <https://doi.org/10.1002/rra.3390>.
26. Steffensen, K.D., **M.J. Hamel**, and J.J. Spurgeon. 2019. Post-stocking pallid sturgeon *Scaphirhynchus albus* growth, dispersal, and survival in the lower Missouri River. *Journal of Applied Ichthyology* 35:117-127.
25. **Hamel, M.J.**, M. Porath, and L.L. Pierce. 2018. Young Professional Survey Results: Member and non-member perspective on decisions to join AFS. A survey of attitudes and perceptions regarding membership to the American Fisheries Society. *Fisheries*; DOI: <https://doi.org/10.1002/fsh.10066>
24. Goto, D., **M.J. Hamel**, J.J. Hammen, M.L. Rugg, M.A. Pegg, and V.L. Forbes. 2018. Spatially dynamic maternal control of migratory fish recruitment pulses triggered by shifting seasonal cues. *Marine and Freshwater Research* 69:942-961.
23. Spurgeon J.J., **M.J. Hamel**, K.D. Steffensen, and M.A. Pegg. 2018. Spatial structure of large-river fish population across main-stem and tributary habitats. *River Research and Applications* 34:807-815.
22. Steffensen, K.D., and **M.J. Hamel**. 2018. Fin ray removal may be deleterious on *Scaphirhynchus* species. *North American Journal of Fisheries Management* 38:439-445.
21. Hammen, J.J., **M.J. Hamel**, M.L. Rugg, and M.A. Pegg. 2018. Population characteristics of Shovelnose Sturgeon during low- and high-water conditions in the lower Platte River, Nebraska. *North American Journal of Fisheries Management* 38:308-315.
20. **Hamel, M.J.**, A.J. Blank, J.J. Spurgeon, and M.A. Pegg. 2017. Assessment of a channel catfish population in a large open river system. *Fisheries Management and Ecology* 24:460-468.
19. Hammen, J.J., **M.J. Hamel**, M.L. Rugg, and M.A. Pegg. 2017. Habitat associations of shovelnose sturgeon *Scaphirhynchus platyrhynchus* (Rafinesque, 1820) in the lower Platte River, Nebraska. *Journal of Applied Ichthyology* DOI: 10.1111/jai.13513.
18. Phelps, Q.E., S.J. Tripp, **M.J. Hamel**, J. Koch, E.J. Heist, J.E. Garvey, K.M. Kappenman, and M.A.H. Webb. 2016. Status of knowledge of the Shovelnose Sturgeon (*Scaphirhynchus platyrhynchus*, Rafinesque, 1820). *Journal of Applied Ichthyology* 32:249-260.
17. **Hamel, M.J.**, J.J. Spurgeon, C.J. Chizinski, K.D. Steffensen, M.A. Pegg. 2016. Variability in age estimation results in ambiguity and false understanding of population persistence. *North American Journal of Fisheries Management* 36:514-522.
16. **Hamel, M.J.**, J.J. Spurgeon, M.L. Pegg, J.J. Hammen, and M.L. Rugg. 2016. Hydrologic variability influences distribution and occurrence of pallid sturgeon in a Missouri River tributary. *River Research and Application* 32:320-329.
15. Spurgeon, J.J., **M.J. Hamel**, M.A. Pegg. 2016. Multi-scale approach to hydrological classification provides insight to flow structure in an altered river system. *River Research and Applications*. DOI: 10.1002/rra.3041

14. **Hamel, M.J.**, M.L. Rugg, J.J. Hammen, and M.A. Pegg. 2015. Reproductive traits of shovelnose sturgeon *Scaphirhynchus platyrhynchus* (Rafinesque, 1820) in the Lower Platte River, Nebraska. *Journal of Applied Ichthyology*.
13. Spurgeon, J.J., **M.J. Hamel**, M.A. Pegg, and K.L. Pope. 2015. The global status of freshwater fish age validation studies and a prioritization framework for further research. *Reviews in Fisheries Science and Aquaculture* 23:329-345.
12. Hogberg, N.P., **M.J. Hamel**, and M.A. Pegg. 2015. Age-0 channel catfish *Ictalurus punctatus* growth related to environmental conditions in the channelized Missouri River, Nebraska. *River Research and Applications*. DOI: 10.1002/rra.2890.
11. **Hamel, M.J.**, M.A. Pegg, R.R. Goforth, Q.E. Phelps, K.D. Steffensen, J.J. Hammen, and M.L. Rugg. 2014. Range-wide age and growth characteristics of shovelnose sturgeon from mark-recapture data: implications for conservation and management. *Canadian Journal of Fisheries and Aquatic Sciences* 72:71-82.
10. Goto, D., **M.J. Hamel**, J.J. Hammen, M.L. Rugg, M.A. Pegg, and V.E. Forbes. 2014. Spatiotemporal variation in flow-dependent recruitment of long-lived riverine fish: Model development and evaluation. *Ecological Modelling* 296:79-92.
9. Rugg, M.L., **M.J. Hamel**, M.A. Pegg, and J.J. Hammen. 2014. Validation of annuli formation in pectoral fin rays from shovelnose sturgeon in the lower Platte River, Nebraska. *North American Journal of Fisheries Management* 34:1028-1032.
8. **Hamel, M.J.**, M.A. Pegg, J.J. Hammen, and M.L. Rugg. 2014. Population characteristics of pallid sturgeon in the lower Platte River, Nebraska. *Journal of Applied Ichthyology* 30:1362-1370.
7. **Hamel, M.J.**, J.D. Koch, K.D. Steffensen, M.A. Pegg, J.J. Hammen, and M.L. Rugg. 2014. Using mark-recapture information to validate and assess age and growth of long-lived fish species. *Canadian Journal of Fisheries and Aquatic Sciences* 71:559-566.
6. **Hamel, M.J.**, K.D. Steffensen, J.J. Hammen, and M.A. Pegg. 2013. Evaluation of PIT Tag Retention from Two Tagging Locations in Juvenile Pallid Sturgeon. *Journal of Applied Ichthyology* 29:41-43.
5. **Hamel, M.J.**, J.J. Hammen, and M.A. Pegg. 2012. Tag Retention of T-Bar Anchor Tags and Passive Integrated Transponder Tags in Shovelnose Sturgeon. *North American Journal of Fisheries Management* 32:533-538.
4. **Hamel, M.J.**, N.L. Richards, M.L. Brown, and S.R. Chipps. 2010. Avoidance of Strobe Lights by Zooplankton. *Lake and Reservoir Management* 26:212-216.
3. **Hamel, M.J.**, K.D. Steffensen, P.T. Horner, and S.M. Stukel. 2009. A comparison of catch rate with two different benthic trawls in the Missouri River. *Journal of Freshwater Ecology* 24:625-634.
2. **Hamel, M.J.**, M.L. Brown, and S.R. Chipps. 2008. Behavioral Responses of Rainbow Smelt to *in situ* Strobe Lights. *North American Journal of Fisheries Management* 28:394-401.
1. Neely, B.C., **M.J. Hamel**, and K.D. Steffensen. 2008. A Proposed Standard Weight Equation for Blue Suckers. *North American Journal of Fisheries Management* 28:1450-1452.

PUBLICATIONS IN REVIEW

4. Glomb, J.C., R.C., Lowe, J.L. Shelton, and **M.J. Hamel**. *In Review*. Examining the initial response of a sportfish community to hydrilla invasion. Journal of Fish and Wildlife Management.
3. Yeager, J.L., T. Bonvechio, and **M.J. Hamel**. *In Review*. Movement dynamics and habitat selection of Suwannee Bass *Micropterus notius*. Hydrobiologia.
2. Yeager, J.L., T. Bonvechio, and **M.J. Hamel**. *In Review*. Population demographics and angler exploitation of Suwannee Bass. North American Journal of Fisheries Management.
1. Glomb, J.C., R.C., Lowe, J.L. Shelton, and **M.J. Hamel**. *In Review*. Employing remote sensing techniques for monitoring hydrilla occurrence. Journal of Aquatic Plant Management.

PUBLICATIONS IN PREPARATION

4. **Hamel, M.J.**, X. Chen, D. Hall, J. Hall, and K.D. Steffensen. *In Preparation*: Age classification of young *Scaphirhynchus* sturgeon. Ecological Applications.
3. **Hamel, M.J.**, and W. Gerrin. *In Preparation*: Building a reference map of trace element water chemistry: applications for future fish bone microchemistry analyses. Fisheries.
2. **Hamel, M.J.** *In Preparation*: Growth Paradox: interpreting growth patterns for fisheries management. North American Journal of Fisheries Management
1. **Hamel, M.J.** *In Preparation*: Considerations for the management of long-lived species. Fisheries

TEXTBOOK CHAPTERS

Pracheil, B.M., P.J. Braaten, E.B. Macias, C.S. Guy, D.P. Herzog, **M.J. Hamel**, J.C. Justice, A.R. Loepky, J.M. Mollish, J.W. Simmons, and S. Tripp. (*In review*). Warmwater fish in rivers in S. Bonar, N.M. Silva, and K. Pope, editors. Standard methods for sampling North American freshwater fishes, 2nd edition. American Fisheries Society, Bethesda, Maryland.

Phelps, Q.E., **M.J. Hamel**, S.A. Tripp, Z. Jackson, and R. Koenigs. 2017. Choice of structure – selecting the appropriate aging structure *in* M.C. Quist and D.A. Isermann, editors. Age and growth of fishes: principles and techniques. American Fisheries Society, Bethesda, Maryland.

THESIS AND DISSERTATION

Hamel, M.J. 2013. Determining *Scaphirhynchus* Sturgeon Population Demographics and Dynamics: Implications for Range-Wide Management, Recovery, and Conservation. Ph.D. Dissertation. University of Nebraska-Lincoln, Lincoln, Nebraska.

Hamel, M.J. 2006. Behavioral Responses of Rainbow Smelt to Sensory Deterrent Systems. M.S. Thesis. South Dakota State University, Brookings, South Dakota.

POPULAR ARTICLES AND INTERVIEWS

Hamel, M.J. 2021. Interview with the Labor Street Park podcast:
<https://www.youtube.com/watch?v=fLVAXNmTUuw>

Hamel, M.J. 2020. What role does connectivity play in altered aquatic systems? River Stressors podcast.

Hamel, M.J. 2018. Airboats: A vital tool for research when chasing dinosaurs. *Airboating* 12(70):8-12

ORAL PRESENTATIONS

Authorship key: **Self** – bold
Graduate Student Supervised – underline
Undergraduate Student Supervised - italics

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.

Carroll-Everett, L., N. Nibbelink, C. Cox, **M. Hamel**, R. Guy, and J. Flowers. 2023. Interpreting partial information provided by fishery-independent surveys towards a holistic understanding of estuarine fishes. Georgia Chapter of the American Fisheries Society, St. Simons, GA.

Phillips, M. and **M. Hamel**. 2022. Coosa River Lake Sturgeon Reintroduction. Invited speaker for the Oconee River Chapter of Trout Unlimited, Athens, GA.

Phillips, M., S. Perry, and **M. Hamel**. 2022. Population dynamics of reintroduced Lake Sturgeon (*Acipenser fulvescens*) in the Coosa River, GA-AL. Lake Sturgeon Working Group annual meeting – virtual.

Perry, S., M. Phillips, and **M. Hamel**. 2022. Lake Sturgeon movement and habitat use in the Coosa River system. Lake Sturgeon Working Group annual meeting – virtual.

Gerrin, W., J. Shelton, B. Shamblin, **M. Hamel**, and P. Hazelton. 2022. Dirty loaches: an update on the Georgia Oriental Weatherfish (*Misgurnus anguillicaudatus*) invasion. Georgia Chapter of the American Fisheries Society, Jekyll Island, GA.

D'Ercole, M. A. Fox, **M. Hamel**, and A. Kaeser. 2022. Flow regime and recruitment in Gulf Sturgeon in the Apalachicola River, FL. Georgia Chapter of the American Fisheries Society, Jekyll Island, GA.

Hamel, M.J., H.J. Roop, P.C. Sakaris, A.S. Williams, and J. Page. 2022. Where have all the snakehead gone? Two years of monitoring of a wild population of Northern Snakehead *Channa argus* in Gwinnett County, Georgia. Georgia Chapter of the American Fisheries Society, Jekyll Island, GA.

Werner, J.P., Q.D. Dean, **M.J. Hamel**, and M.A. Pegg. 2022. Patterns in special use and movement of Silver Carp among tributaries and main-stem rivers: Insight from otolith microchemistry analysis. Nebraska Chapter of the American Fisheries Society, Grand Island, NE.

Yeager, J.W., T.F. Bonvechio, and **M.J. Hamel**. 2022. Suwannee bass movement, life-history, and angler exploitation in Georgia. Georgia Chapter of the American Fisheries Society, Jekyll Island, GA.

Glomb, J.C., R.C., Lowe, J.L. Shelton, and **M.J. Hamel**. 2022. Novel methods for assessing hydrilla spread in Lake Sinclair, Georgia. Georgia Chapter of the American Fisheries Society, Jekyll Island, GA.

Hamel, M.J., J. Koch, D. Buckmeier, and M.A. Pegg. 2022. A proposed publicly available known-age fish structure repository. Georgia Chapter of the American Fisheries Society annual meeting, Jekyll Island, GA.

Buckmeier, D., **M.J. Hamel**, J. Koch, and M.A. Pegg. 2022. A proposed publicly available known-age fish structure repository. Southern Division of the American Fisheries Society annual meeting, Charlestown, SC.

Koch, J., **M.J. Hamel**, D. Buckmeier, and M.A. Pegg. 2021. A proposed publicly available known-age fish structure repository. American Fisheries Society annual meeting, Baltimore, MD.

Yeager, J.W., T.F. Bonvechio, and **M.J. Hamel**. 2021. Movement dynamics and habitat use of Suwannee Bass in Georgia. Georgia DNR Research Meeting - virtual.

Yeager, J.W., T.F. Bonvechio, and **M.J. Hamel**. 2021. Movement dynamics and habitat use of Suwannee Bass in Georgia. American Fisheries Society annual meeting, Baltimore, MD.

Glomb, J.C., R.C., Lowe, and **M.J. Hamel**. 2021. Assessing hydrilla and its impacts on sportfish communities. American Fisheries Society annual meeting, Baltimore, MD.

Yeager, J.W., T.F. Bonvechio, and **M.J. Hamel**. 2021. Suwannee Bass movement and life-history in the Withlacoochee River, Georgia. Southern Division of the American Fisheries Society – Virtual Conference
*Invited symposium speaker.

Yeager, J.W., T.F. Bonvechio, and **M.J. Hamel**. 2021. Suwannee Bass movement and life-history in the Withlacoochee River, Georgia. Florida Chapter of the American Fisheries Society – Virtual Conference.

Yeager, J.W., T.F. Bonvechio, and **M.J. Hamel**. 2021. Movement dynamics of Suwannee Bass in the Withlacoochee River, Georgia. Georgia Chapter of the American Fisheries Society – Virtual Conference.

Glomb, J., R. Lowe III, J. Shelton, and **M.J. Hamel**. 2021. Assessing hydrilla spread and subsequent impacts on sportfish communities in Lake Sinclair, Georgia. Florida Chapter of the American Fisheries Society – Virtual Conference.

Glomb, J., R. Lowe III, J. Shelton, and **M.J. Hamel**. 2021. Assessing hydrilla spread and subsequent impacts on sportfish communities in Lake Sinclair, Georgia. Southern Division of the American Fisheries Society – Virtual Conference.

Glomb, J., R. Lowe III, J. Shelton, and **M.J. Hamel**. 2021. Into the weeds: Assessing hydrilla occurrence using novel methods in Lake Sinclair, Georgia. Georgia Chapter of the American Fisheries Society – Virtual Conference.

Dean, Q.D., J.P. Werner, M.A. Pegg, and **M.J. Hamel**. 2021. Efficacy and temporal capture patterns of bank poles in the Kansas River: a novel sampling tool for catfish managers. Texas Chapter of the American Fisheries Society 2021 Virtual Annual Meeting.

Hamel, M.J., Q.D. Dean, and J.P. Werner. 2020. Connectivity across altered riverscapes: understanding how scale influences fish populations. American Fisheries Society national meeting – virtual.

Hamel, M.J. 2020. Connectivity: Bridging the gap between research, management, and people. Invited speaker for the Oconee River Chapter of Trout Unlimited, Athens, GA.

Werner, J.P., Q.D. Dean, **M.J. Hamel**, and M.A. Pegg. 2020. Variability in silver carp population demographics in the Kansas River, Kansas. Wyoming/Colorado Chapter of the American Fisheries Society, Laramie, WY.

Werner, J.P., Q.D. Dean, **M.J. Hamel**, and M.A. Pegg. 2020. Variability in silver carp population demographics in the Kansas River, Kansas. Kansas Natural Resources Conference, American Fisheries Society, Manhattan, KS.

Werner, J.P., Q.D. Dean, **M.J. Hamel**, and M.A. Pegg. 2020. Variability in silver carp population demographics in the Kansas River, Kansas. Nebraska Chapter of the American Fisheries Society, Lincoln, NE.

Dean, Q.D., J.P. Werner, **M.J. Hamel**, and M.A. Pegg. 2020. Population Characteristics and Movement Patterns of Blue Catfish in the Kansas River, Kansas. Nebraska Chapter of the American Fisheries Society, Lincoln, NE.

Hamel, M.J., J.J. Spurgeon, M.A. Pegg, and K.D. Steffensen. 2020. Plasticity in life-history traits: adaptations of pallid sturgeon to human perturbations. Southern Division of the American Fisheries Society, Little Rock, AK.

Hamel, M.J., and M.A. Pegg. 2020. Large-river catfish fisheries: insight into catfish community dynamics across varying spatial and temporal patterns. Catfish 2020: The Third International Catfish Symposium, Little Rock, AK.

Dean, Q.D., J.P. Werner, **M.J. Hamel**, and M.A. Pegg. 2020. Population Characteristics and Movement Patterns of Blue Catfish in the Kansas River, Kansas. Catfish 2020: The Third International Catfish Symposium, Little Rock, AK.

Dean, Q.D., **M.J. Hamel**, and M.A. Pegg. 2020. Temporal patterns of capture, retention rates and efficacy of bank poles in the Kansas River. Catfish 2020: The Third International Catfish Symposium, Little Rock, AK.

Hamel, M.J., J.P. Werner, Q.D. Dean, and M. A. Pegg. 2020. The influence of connectivity on native and invasive fish populations in the Kansas River. Georgia Chapter of the American Fisheries Society, Augusta, GA.

Werner, J.P., Q.D. Dean, **M.J. Hamel**, and M.A. Pegg. 2019. Variability in silver carp population demographics in the Kansas River. American Fisheries Society national meeting, Reno, NV.

Dean, Q.D., J.P. Werner, **M.J. Hamel**, and M.A. Pegg. 2019. Population Characteristics and Movement Patterns of Blue Catfish in the Kansas River, Kansas. American Fisheries Society national meeting, Reno, NV.

Werner, J.P., Q.D. Dean, M.J. Hamel, and M.A. Pegg. 2019. Status of invasive carps in the Kansas River. Nebraska Rivers and Streams Technical Committee meeting. Wood River, NE.

Dean, Q.D., J.P. Werner, M.J. Hamel, and M.A. Pegg. 2019. Blue catfish management in the Kansas River. Nebraska Rivers and Streams Technical Committee meeting. Wood River, NE.

Hamel, M.J., J.J. Spurgeon, M.A. Pegg, and K.D. Steffensen. 2018. Linking differential life-history traits of pallid sturgeon throughout the Missouri River basin. International Conference on the Biology of Fishes, Calgary, Alberta.

Hamel, M.J., J.J. Spurgeon, M.A. Pegg, and K.D. Steffensen. 2018. Linking differential life-history traits of pallid sturgeon throughout the Missouri River basin. American Fisheries Society national meeting, Atlantic City, NJ.

Hamel, M.J., J.J. Spurgeon, M.A. Pegg, and K.D. Steffensen. 2018. Diverging life history characteristics of pallid sturgeon throughout the Missouri River basin. Midwest Fish and Wildlife Conference, Lincoln, NE.

Uerling, C.C., M.J. Hamel, M.A. Pegg. 2017. Fish community response to restored side channels on the Lower Platte River, Nebraska. Midwest Fish and Wildlife Conference, Lincoln, NE.

Spurgeon, J.J., **M.J. Hamel,** and M.A. Pegg. 2017. Origin and movement patterns of channel catfish using otolith microchemistry. Midwest Fish and Wildlife Conference, Lincoln, NE.

Hamel, M.J., J.J. Spurgeon, M.A. Pegg, and K.D. Steffensen. 2017. Examination of life history characteristics of pallid sturgeon throughout the Missouri River basin. Midwest Fish and Wildlife Conference, Lincoln, NE.

Hamel, M.J. 2016. University of Nebraska-Lincoln Research. 2017. What we have learned and where we are going. Nebraska Rivers and Streams Technical Committee meeting. Gretna, NE.

Hamel, M.J., J.J. Spurgeon, M.A. Pegg, and K.D. Steffensen. 2016. Examination of life history characteristics of pallid sturgeon throughout the Missouri River basin. American Fisheries Society annual meeting – Invited symposium speaker. Kansas City, MO.

Uerling, C.C., M.J. Hamel, and M.A. Pegg. 2016. Monitoring a Restored Side Channel on the Lower Platte River, NE. American Fisheries Society annual meeting, Kansas City, MO.

Hamel, M.J., and J.D. Koch. 2016. Age and Growth Workshop for the NE/KS AFS joint chapter meeting. Manhattan, KS.

Uerling, C.C., M.J. Hamel, and M.A. Pegg. 2016. Monitoring a Reconnected side channel on the Lower Platte River Nebraska. Nebraska and Kansas Joint Chapter Meeting of the American Fisheries Society, Manhattan, KS.

Turner, D., M. Pegg, and **M.J. Hamel.** 2016. Diet analysis of flathead catfish in the Red River of the North. Nebraska and Kansas Joint Chapter Meeting of the American Fisheries Society, Manhattan, KS.

Uerling, C.C., M.J. Hamel, and M.A. Pegg. 2016. Monitoring fish and macroinvertebrate response to a restored side channel on the Platte River. Midwest Fish and Wildlife Conference, Grand Rapids, MI.

Hamel, M.J., J.J. Spurgeon, C. Chizinski, and M.A. Pegg. 2015. Ignorance is bliss: poor aging precision from an un-validated fish aging structure has deleterious effects on understanding population dynamics. Nebraska Chapter Meeting of the American Fisheries Society, Nebraska City, NE.

Hamel, M.J., J.J. Spurgeon, C.J. Chizinski, K.D. Steffensen, and M.A. Pegg. 2015. Ignorance is bliss: Poor aging precision from an un-validated fish aging structure has deleterious effects on understanding population dynamics. Missouri River Natural Resources Conference, Nebraska City, NE.

Uerling, C.C., K. Turek, M.A. Pegg, and **M.J. Hamel**. 2015. A Biological assessment of the Shell Creek watershed. Nebraska Chapter Meeting of the American Fisheries Society, Nebraska City, NE

Spurgeon, J.J., **M.J. Hamel**, and M.A. Pegg. 2015. Inter-annual variability in climate and anthropogenic stressors drive hydrological character of the Platte River, NE. Nebraska Chapter Meeting of the American Fisheries Society, Nebraska City, NE.

Hamel, M.J., M.A. Pegg, R.R. Goforth, Q.E. Phelps, K.D. Steffensen, J.J. Hammen, and M.L. Rugg. 2014. Range-Wide Age and Growth Characteristics of Shovelnose Sturgeon from Mark-Recapture Data: Implications for Conservation and Management. Midwest Fish and Wildlife Conference, Kansas City, MO.

Hamel, M.J., M.A. Pegg, R.R. Goforth, Q.E. Phelps, K.D. Steffensen, J.J. Hammen, and M.L. Rugg. 2014. Using Mark-Recapture to Determine Population Dynamics of *Scaphirhynchus* Sturgeon: Implications for Pallid Sturgeon Recovery. Missouri River Natural Resources Conference, Nebraska City, NE.

Hogberg, N.P., **M.J. Hamel**, and M.A. Pegg. 2014. Channel catfish first-year growth in relation to environmental conditions in the Missouri River, Nebraska. Joint Meeting of the Nebraska and Iowa Chapters of the American Fisheries Society. Council Bluffs, IA.

Hogberg, N.P., **M.J. Hamel**, and M.A. Pegg. 2014. Long Term Trends in Age-0 Channel Catfish Growth in the Channelized Missouri River, Nebraska. 74th Annual Midwest Fish and Wildlife Conference. Kansas City, MO.

Hamel, M.J., J.J. Hammen, M.L. Rugg, and M.A. Pegg. 2013. Hydrologic Variability Influences Distribution and Occurrence of Pallid Sturgeon in the Lower Platte River. The Missouri River Natural Resources Conference, Jefferson City, MO.

Rugg, M., **M.J. Hamel**, J.J. Hammen, and M.A. Pegg. 2013. Reproductive potential of shovelnose sturgeon in the Lower Platte River, Nebraska. The Missouri River Natural Resources Conference, Jefferson City, MO.

Rugg, M., **M.J. Hamel**, J.J. Hammen, and M.A. Pegg. 2013. Reproductive potential of shovelnose sturgeon in the Lower Platte River, Nebraska. NE Chapter of the American Fisheries Society, Gretna, NE.

Hamel, M.J., J.J. Hammen, M.L. Rugg, and M.A. Pegg. 2013. Hydrologic Variability Influences Distribution and Occurrence of Pallid Sturgeon in the Lower Platte River. NE Chapter of the American Fisheries Society, Gretna, NE.

Hamel, M.J., J.J. Hammen, and M.A. Pegg. 2012. Sturgeon growth characteristics: The good, the bad, and the ugly. NE Chapter of the American Fisheries Society, Gretna, NE.

Hammen, J.J., **M.J. Hamel**, and M.A. Pegg. 2012. Geomorphology and instream habitat associations of shovelnose sturgeon in the lower Platte River, NE. NE Chapter of the American Fisheries Society, Gretna, NE.

Hamel, M.J., J.J. Hammen, and M.A. Pegg. 2012. Sensitivity of using fin rays for shovelnose sturgeon age, growth, and dynamic rate functions. American Fisheries Society national meeting, St. Paul, MN.

Hamel, M.J., K.D. Steffensen, J.J. Hammen, and M.A. Pegg. 2012. Evaluation of two tagging locations for injection of PIT tags in pallid sturgeon. Missouri River Natural Resources Conference, Pierre, SD.

Goto, D., **M.J. Hamel**, J.L. Hammen, M.L. Rugg, M.A. Pegg, and V. Forbes. Spatially Explicit Hydrological Influences on Individual Variation in Shovelnose Sturgeon Reproduction and Recruitment in a Regulated River. American Fisheries Society national meeting, St. Paul, MN.

Hamel, M.J., M.A. Pegg, and J.J. Hammen. 2011. Tag retention of T-bar anchor tags and PIT tags in shovelnose sturgeon. American Fisheries Society national meeting, Seattle, WA.

Hammen, J.L., **M.J. Hamel**, and M.A. Pegg. 2011. Seasonal distributions, characteristics, and population dynamics of shovelnose sturgeon in the Lower Platte River, NE. American Fisheries Society national meeting, Seattle, WA.

Hamel, M.J., M.A. Pegg, and J.J. Hammen. 2011. Tag retention of T-bar anchor tags and PIT tags in shovelnose sturgeon. Missouri River Natural Resources Committee meeting, Nebraska City, NE.

Hamel, M.J., M.A. Pegg, and J.J. Hammen. 2011. Tag retention of T-bar anchor tags and PIT tags in shovelnose sturgeon. NE chapter of the American Fisheries Society, Gretna, NE.

Hammen, J.J., **M.J. Hamel**, and M.A. Pegg. 2011. Shovelnose sturgeon movements within the lower Platte River, NE. NE chapter of the American Fisheries Society, Gretna, NE.

Hamel, M.J., M.A. Pegg, J.J. Hammen, and T.L. Anderson. 2010. Population characteristics of pallid sturgeon in the lower Platte River, Nebraska. NE chapter of the American Fisheries Society, Ponca, NE.

Hammen, J.L., **M.J. Hamel**, T.L. Anderson, and M.A. Pegg. 2010. Population dynamics of shovelnose sturgeon in the Lower Platte River, Nebraska. NE chapter of the American Fisheries Society, Ponca, NE.

Anderson, T.L., **M.J. Hamel**, and M.A. Pegg. 2010. Age and growth of shovelnose sturgeon in the lower Platte River, Nebraska. NE chapter of the American Fisheries Society, Ponca, NE.

Hamel, M.J., M.A. Pegg, J.J. Hammen, and T.L. Anderson. 2010. Population characteristics of pallid sturgeon in the lower Platte River, Nebraska. Missouri River Natural Resources Committee meeting, Nebraska City, NE.

Hammen, J.J., **M.J. Hamel**, and M.A. Pegg. Shovelnose sturgeon movements within the lower Platte River, NE. Midwest Fish and Wildlife Conference, Minneapolis, Minnesota.

Anderson, T.L., **M.J. Hamel**, J.J. Hammen, and M.A. Pegg. 2010. Shovelnose sturgeon, *Scaphirhynchus platyrhynchus* in the Lower Platte River. Thesis Defense.

Hammen, J.J., **M.J. Hamel**, T.L. Anderson, and M.A. Pegg. 2010. Shovelnose sturgeon population dynamics and seasonal population characteristics in the Lower Platte River. Missouri River Natural Resources Conference, Nebraska City, Nebraska.

Hamel, M.J., M.A. Pegg, J.J. Hammen, and T.L. Anderson. 2010. Sturgeon management in the lower Platte River, Nebraska. Platte River Symposium – University of Nebraska-Lincoln, Lincoln, NE.

Hamel, M.J., M.A. Pegg, J.J. Hammen, and T.L. Anderson. 2009. Population characteristics of pallid sturgeon in the lower Platte River. Platte River Symposium – University of Nebraska-Lincoln, Lincoln, NE.

Hamel, M.J., M.A. Pegg, J.J. Hammen, and T.L. Anderson. 2009. Population characteristics of pallid sturgeon in the lower Platte River, Nebraska. Midwest Fish and Wildlife Conference, Springfield, IL.

Hammen, J.L. **M.J. Hamel**, T.L. Anderson, and M.A. Pegg. 2009. Shovelnose sturgeon population dynamics and seasonal population characteristics in the Lower Platte River, Nebraska. Midwest Fish and Wildlife Conference, Springfield, IL.

Hamel, M.J., and K.D. Steffensen. 2008. Age and growth of shovelnose sturgeon in the Missouri River. American Fisheries Society national meeting, Ottawa, Ontario.

Hamel, M.J., and K.D. Steffensen. 2008. Influence of mesh size and trawling techniques on catch of benthic fish species of the Missouri River. NE chapter of the American Fisheries Society, Gretna, NE.

Hamel, M.J., K.D. Steffensen, P. Horner, and S. Stukel. 2008. Influence of mesh size and trawling techniques on catch of benthic fish species of the Missouri River. Missouri River Natural Resources Conference (MRNRC) & BiOp Forum, Nebraska City, NE.

Hamel, M.J., and K.D. Steffensen. 2007. Influence of mesh size and trawling techniques on catch of benthic fish species of the Missouri River. Midwest Fish and Wildlife Conference, Madison, WI.

Hamel, M.J., M.L. Brown, and S.R. Chipps. 2007. Use of hydroacoustics to assess free-ranging rainbow smelt responses to sensory deterrents. Midwest Fish and Wildlife Conference, Madison, WI – Invited symposium speaker.

Hamel, M.J., D.W. Everitt, and J.D. Haas. 2007. Intensive and extensive tracking of pallid and shovelnose sturgeon movements in the middle Missouri River. MRNRC & BiOp Forum, Nebraska City, NE.

Hamel, M.J., D.W. Everitt, and J.D. Haas. 2007. Intensive and extensive tracking of pallid and shovelnose sturgeon movements in the middle Missouri River. AFS Tri-State (Nebraska, Kansas, and Iowa) Chapter Annual Meeting, Council Bluffs, IA.

Hamel, M.J., M.L. Brown, and S.R. Chipps. 2006. Behavioral Responses of Rainbow Smelt to Sensory Deterrence Systems. Midwest Fish and Wildlife Conference, Omaha, NE.

Hamel, M.J., N.S. Richards, M.L. Brown, and S.R. Chipps. 2006. Rainbow Smelt Responses to Sensory Deterrence Systems. AFS Dakota Chapter Annual Meeting, Chamberlain, SD.

Hamel, M.J., and N.S. Richards. 2005. Influence of Underwater Sound and Strobe Lights on Deterrence Behavior of Rainbow Smelt in Lake Oahe, South Dakota. SDGFP Annual Winter Fisheries Meeting. Yankton, SD.

INVITED PRESENTATIONS/SEMINARS

Yeager, J.W., T.F. Bonvechio, and **M.J. Hamel**. 2021. Suwannee Bass movement and life-history in the Withlacoochee River, Georgia. Southern Division of the American Fisheries Society – Virtual Conference
*Invited symposium speaker.

Hamel, M.J., Q.D. Dean, and J.P. Werner. 2020. Connectivity across altered riverscapes: understanding how scale influences fish populations. Invited speaker to the American Fisheries Society annual virtual conference to be presented in the symposium entitled, “Confronting present and emerging stressors in rivers for global fisheries conservation.”

Hamel, M.J. 2020. Connectivity: Bridging the gap between research, management, and people. Invited speaker for the Oconee River Chapter of Trout Unlimited, Athens, GA

Hamel, M.J. 2019. Plasticity in life history traits in a long-lived sturgeon. Invited presentation to the American Fisheries Society student sub-unit of the University of Georgia. Athens, GA, October 2019.

Hamel, M.J. 2018. Connectivity – Bridging the gap between research, management, and people. Invited seminar presented to the University of Wisconsin-LaCrosse. LaCrosse, WI, November 2018

Hamel, M.J. 2018. How do we assess fishes in rivers and streams? Invited seminar presented to the University of Nebraska-Kearney, November 2018.

Hamel, M.J. 2018. Connectivity – Bridging the gap between research, management, and people. Invited seminar presented to the University of Illinois Champaign-Urbana, Champaign, IL, October 2018

Hamel, M.J., J.J. Spurgeon, M.A. Pegg, and K.D. Steffensen. 2018. Linking differential life-history traits of pallid sturgeon throughout the Missouri River basin. Invited presentation to the International Conference on the Biology of Fishes, Calgary, Alberta 2018

Hamel, M.J., M.A. Pegg, J.J. Hammen, and T.L. Anderson. 2010. Population characteristics of pallid sturgeon in the lower Platte River, Nebraska. Invited presentation to the Nebraska Game and Parks Commission, Lincoln, NE, January 2010

Hamel, M.J., M.A. Pegg, J.J. Hammen, and T.L. Anderson. 2009. Population characteristics of pallid sturgeon in the lower Platte River, Nebraska. Invited presentation to the Nebraska Game and Parks Commission, Lincoln, NE, January 2009

Hamel, M.J., M.L. Brown, and S.R. Chipps. 2006. Behavioral Responses of Rainbow Smelt to Sensory Deterrence Systems. Invited presentation to the Midwest Fish and Wildlife Conference, Omaha, NE.

WORKSHOPS/CONFERENCE SYMPOSIA

2023 Co-organizer of “Views on Undergraduate Curricula in Fisheries” symposium for the American Fisheries Society annual meeting in Grand Rapids, MI.

2022 Co-organizer of “Experiences with and Views of Online Learning in the Aftermath Campus Shutdowns” symposium for the American Fisheries Society annual meeting in Spokane, WA.

2021 Getting into graduate school. Workshop prepared for the UGA American Fisheries Society student sub-unit and presented to the Warnell School of Forestry and Natural Resources fisheries and wildlife majors (February 18, 2021).

2020 Co-organizer of “Black Bass Biodiversity, Conservation, and Management” symposium for the Southern Division meeting of the American Fisheries Society – virtual.

2019 Organizer of “Sturgeon population dynamics: a compilation of techniques, tools, and research” symposium for the Southern Division meeting of the American Fisheries Society in Little Rock, AR.

2016 Fish age and growth considerations and procedures. Presented as part of the continuing education program for the 2016 joint conference between the Nebraska and Kansas chapters of the American Fisheries Society, Manhattan, KS.

ACADEMIC EXPERIENCE

Courses taught:

Age and Growth of Fishes (FISH 8300) – Spring 2023 (2 hr)

Fisheries Management/Lab (FISH 5360/7360 & FISH 5360L/7360L) – Fall 2019-2022 (3 hr)

Conservation Conversations (FYOS 1001) – Spring 2021 & Fall 2022 (1 hr)

Information and Strategies for Pursuing a Successful Career in Fisheries (FYOS 1001) – Spring & Fall 2020, and Fall 2021 (1 hr)

Fisheries Problems: How to Develop a Scientific Review Paper (FISH 7980) – Spring 2020 & Spring 2022 (3 hr)

Senior Project in Forestry and Natural Resources Management – Spring 2020 (1 hr)
Ichthyology (NRES 489/889) – Spring 2019 (3 hr)
Stream Ecology (NRES 481/881) – Fall 2015 (3 hr)
Exploring Fisheries Opportunities and Research; Co-Instructor with Dr. Mark Pegg
(NRES 163) – Annually 2013-2019 (1 hr)

Guest lectures:

Georgia Fishes Field Study (Maymester course): University of Georgia – Spring 2021
Environmental Biology of Fishes: University of Georgia – Spring 2020
Freshwater Management Techniques: University of Nebraska-Kearney (Invited, 11/2018)
Fisheries Science (NRES 463/863): Annual guest lectures (2013-2018)
Ichthyology (NRES 489/889): Annual guest lectures (2013-2018)
Topics in Applied Ecology (NRES 801): Fall 2017

Graduate students supervised:

Alan Bond, University of Georgia – Ph.D. (anticipated 2027)
Hunter Rider, University of Georgia – M.S. (anticipated 2025)
Joseph Nolan, University of Georgia – M.S. (anticipated 2025)
Russell Wilson (co-advised with Dr. Fox), University of Georgia – M.S. (anticipated 2024)
Victoria Davis, University of Georgia – M.S. (anticipated 2023)
Savannah Perry, University of Georgia – M.S. (anticipated 2024)
Matthew Phillips, University of Georgia – M.S. (anticipated 2024)
Mark D'Ercole (co-advised with Dr. Fox), University of Georgia – M.S. (anticipated 2023)
Joel Yeager, University of Georgia – M.S. (2022)
Jackson Glomb, University of Georgia – M.S. (2022)
(Presently employed by the University of Georgia)
Jacob Werner, University of Nebraska-Lincoln – M.S. (2020)
(Presently employed by the Nebraska Game and Parks Commission)
Quintin Dean, University of Nebraska-Lincoln – M.S. (2020)
(Presently employed by the Texas Parks and Wildlife Department)
Caleb Uerling, University of Nebraska-Lincoln - M.S (2018)
(Presently employed by Montana Fish, Wildlife, and Parks)

Employees supervised:

David Higginbotham, University of Georgia – Research Professional III
Troy Simon, University of Georgia – Research Professional III (2021-2022)

Graduate student committee member:

Lauren Carroll, University of Georgia – M.S. (anticipated 2023)
Kieran Merritt, University of Georgia – M.S. (2022)
Zach Horstman, University of Nebraska-Lincoln – M.S. (2020)
Henry Hansen, University of Nebraska-Lincoln – M.S. (2019)
Dylan Turner, University of Nebraska-Lincoln – M.S. (2018)
Stephen Siddons, University of Nebraska-Lincoln – M.S. (2016)

Undergraduate Senior/Honors Thesis Advisor:

Emma Browning, University of Georgia (anticipated spring 2024)
Brendan Amman, University of Georgia (anticipated fall 2023)
Brandon Filaski, University of Georgia (2021)
Kaitlyn Elder, University of Nebraska-Lincoln (2019)

ACADEMIC SERVICE

2023-present	University Libraries Committee - UGA
2020-present	Graduate Affairs Committee for the Warnell School of Forestry and Natural Resources - UGA
2020-2021	Curriculum Committee for the Warnell School of Forestry and Natural Resources - UGA
2020-2022	Administrative Committee for the Warnell School of Forestry and Natural Resources - UGA
2015-2019	Community Engagement Committee for the UNL School of Natural Resources
2015-2019	Safety and Facilities Committee for the UNL School of Natural Resources
2012-2013	Staff Advisory Professional Development Committee for the UNL School of Natural Resources
2012-2013	Staff and Professional/Managerial Committee for the UNL School of Natural Resources

CONTINUING EDUCATION, JOB-RELATED TRAINING COURSES, AND AWARDS

Warnell Fall Graduation Commencement Speaker, University of Georgia (2022)
Teaching & Learning Conference, University Systems of Georgia, Athens, GA (2023)
Active Learning Workshop, Center for Teaching & Learning, University of Georgia (2023)
Perusall Exchange – An event for innovators in social learning, virtual (2022)
Biennial Conference on University Education in Natural Resources, UNL – virtual (2022)
Teaching Academy Fellows Program, University of Georgia (2020)
Creating a Sustainable Writing Practice, University of Georgia (Fall 2020)
Faculty Search Committee Training, University of Georgia (11/16/2020)
Promotion and Tenure Dossier Preparation Workshop, University of Georgia (5/19/2020)
Promotion and Tenure Procedure Workshop, University of Georgia (12/17/210)
Active Learning workshop, University of Georgia, Athens, GA (11/2019)
Leadership workshop, Midwest Fish and Wildlife Conference, Lincoln, NE (02/2017)
Leadership workshop, *Becoming an EPIIC Leader*, by Marquita Qualls - Entropia Consulting (10/2016)
Mentoring workshop, *Enhancing Productivity and Professional Relationships*, UNL, (09/2016)
Leadership workshop, Midwest Fish and Wildlife Conference, Grand Rapids, MI (02/2016)
Personal Income Taxation, CYAF 840, University of Nebraska-Lincoln, Spring semester 2017
Principles of Risk Management, CYAF 824, University of Nebraska-Lincoln, Spring semester 2016
Foundations in Financial Planning CYAF 821, University of Nebraska-Lincoln, Spring semester 2016
Investing for the Family's Future, CYAF 883, University of Nebraska-Lincoln, Summer semester 2016
Estate Planning, CYAF 823, University of Nebraska-Lincoln, Fall semester 2016

Awards:

2022 – Creative Teaching Award nomination from the Warnell School, University of Georgia (awaiting results).
2021 – Creative Teaching Award nomination from the Warnell School, University of Georgia (not awarded).
2021 – Alumni Award for Early Career Teaching, University of Georgia.
2018 – Institute of Agriculture and Natural Resources Travel Award, University of Nebraska.
2018 – Early Career Professional Award, Education Section of the American Fisheries Society.
2016 – Institute of Agriculture and Natural Resources Travel Award, University of Nebraska.
2016 - Award of Merit – Fish Management Section of the American Fisheries Society. Awarded for significant achievement and contribution to fisheries science.
2015 – Service Award – Nebraska Chapter of the American Fisheries Society. Awarded for recognition of personal contributions to the achievement and enhancement of fisheries science.
2011 – Best Oral Presentation – Nebraska Chapter of the American Fisheries Society. Awarded for the presentation entitled, “Tag retention of t-bar anchor tags and PIT tags in shovelnose sturgeon.”
2007 – Best Professional Poster Presentation Award. Missouri River Natural Resource Conference

Student awards:

2021 – First Runner Up for Best Student Presentation – Southern Division of the American Fisheries Society virtual conference. M.S. Student – Jackson Glomb

2021 – Overall winner for Best Student Presentation – American Fisheries Society annual conference in Baltimore, MD. M.S. Student – Jackson Glomb

2021 – Runner Up for the Skinner Award from the American Fisheries Society. M.S. Student – Joel Yeager

PROFESSIONAL SERVICE

2022: President-elect, American Fisheries Society, Education Section

2022: Standing declaration for the litigation of Center of Biological Diversity vs. US Department of Transportation Maritime Administration's America's Marine Highway Program

2022: Standing declaration for the litigation of Center of Biological Diversity vs. US Army Corps of Engineers Nationwide Permit 12 regarding the Keystone XL Pipeline

2021: Symposium Moderator, Southern Division of the American Fisheries Society

2021-present: Appointed member of the AFS Financial Planning and Procedures Committee

2020-present: Advisory Board for Field Sciences, Upper Iowa University

2020-present: Independent Science Advisory Panel member – Advisor to the Missouri River Recovery Implementation Committee

2020-present: Associate Editor, Special Issue: Catfish 2020 – the 3rd International Catfish Symposium in *North American Journal of Fisheries Management*

2020: Session Moderator, Southern Division of the American Fisheries Society

2020: Standing declaration for the litigation of Center of Biological Diversity vs. US Army Corps of Engineers

2020: Standing declaration for the litigation of Center of Biological Diversity vs. US Environmental Protection Agency

2019-present: Faculty advisor for the UGA student subunit of the American Fisheries Society

2016-present: Secretary/Treasurer, American Fisheries Society, Education Section

2004-present: Member, American Fisheries Society

2020-present: Member, North American Sturgeon and Paddlefish Society

2014-2019: Early Career professional committee of the North Central Division of the American Fisheries Society

2014-2019: Faculty advisor for the UNL archery club

2007-2019: Member, Nebraska Chapter of the American Fisheries Society

2015-2018: Member, Communications Strategic Planning Committee, American Fisheries Society

2014-2018: Member, Awards Committee for the North Central Division of the American Fisheries Society

2017: Session Moderator, Midwest Fish and Wildlife Conference, Lincoln, NE

2015-2016: President, Nebraska Chapter of the American Fisheries Society

2011-2014: Member, Iowa Chapter of the American Fisheries Society

CONSULTING

2023 Suwannee River Water Management District. Peer reviewer for "The minimum flow and minimum water levels" reports for the upper and middle Suwannee River.

2017 U.S. Army Corps of Engineers. Peer Reviewer of "Middle Mississippi River Sturgeon Chub Model"

MANUSCRIPT REVIEWS:

Ecohydrology, Ecology of Freshwater Fishes, North American Journal of Fisheries Management, Transactions of the American Fisheries Society, Canadian Journal of Fisheries and Aquatic Sciences, Environmental Biology of Fishes, Journal of Applied Ichthyology, Fisheries Management and Ecology, River Research and Applications, Lakes and Reservoirs

TECHNICAL REPORTS

Hamel, M.J., S. Perry, and B. Irwin. 2022. Movement and Distribution of Lake Sturgeon in the Coosa River. Annual Performance Review, US Fish and Wildlife Service Science Support Program.

Hamel, M.J., S. Perry, and M. Phillips. 2022. Population demographics and dynamics of introduced Lake Sturgeon in the Coosa River basin, Georgia. Annual Performance Review, Georgia Department of Natural Resources.

Hamel, M.J., and J. Yeager. 2022. Determining movement dynamics, life history attributes, and angler exploitation of Suwannee Bass in Georgia. Completion Report, Georgia Department of Natural Resources, Atlanta, GA

Hamel, M.J., and J. Yeager. 2021. Determining movement dynamics, life history attributes, and angler exploitation of Suwannee Bass in Georgia. Annual Performance Review, Georgia Department of Natural Resources, Atlanta, GA

Hamel, M.J., and M.A. Pegg. 2019. Riverine Sportfish Ecology and Management. Project completion report (No. F-75-R) to Nebraska Game and Parks Commission, Lincoln, NE

Hamel, M.J., and M.A. Pegg. 2018. Sturgeon Management in the Platte River, Nebraska: Implications to a Declining Sportfish Population. Project completion report to Nebraska Game and Parks Commission, Lincoln, NE

Hamel, M.J., and M.A. Pegg. 2018. Sturgeon Management in the Platte River, Nebraska. Annual Performance Review, U.S. Fish and Wildlife Service, Endangered Species Permitting – Denver, CO.

Hamel, M.J., and M.A. Pegg. 2017. Sturgeon Management in the Platte River, Nebraska: Implications to a Declining Sportfish Population. Annual Performance Report to Nebraska Game and Parks Commission, Lincoln, NE

Hamel, M.J., and M.A. Pegg. 2017. Sturgeon Management in the Platte River, Nebraska. Annual Performance Review, U.S. Fish and Wildlife Service, Endangered Species Permitting – Denver, CO.

Hamel, M.J., and M.A. Pegg. 2016. Sturgeon Management in the Platte River, Nebraska: Implications to a Declining Sportfish Population. Annual Performance Report to Nebraska Game and Parks Commission, Lincoln, NE

Hamel, M.J., and M.A. Pegg. 2016. Sturgeon Management in the Platte River, Nebraska. Annual Performance Review, U.S. Fish and Wildlife Service, Endangered Species Permitting – Denver, CO.

Hamel, M.J., and M.A. Pegg. 2015. Sturgeon Management in the Platte River, Nebraska: Implications to a Declining Sportfish Population. Annual Performance Report Nebraska Game and Parks Commission, Lincoln, NE

Hamel, M.J., and M.A. Pegg. 2015. Sturgeon Management in the Platte River, Nebraska. Annual Performance Review, U.S. Fish and Wildlife Service, Endangered Species Permitting – Denver, CO.

Hamel, M.J., and M.A. Pegg. 2014. Sturgeon Management in the Platte River, Nebraska: Implications to a Declining Sportfish Population. Annual Performance Report to Nebraska Game and Parks Commission, Lincoln, NE

Hamel, M.J., and M.A. Pegg. 2014. Sturgeon Management in the Platte River, Nebraska. Annual Performance Review, U.S. Fish and Wildlife Service, Endangered Species Permitting – Denver, CO.

Hamel, M.J., and M.A. Pegg. 2013. Sturgeon Management in the Platte River, Nebraska: Implications to a Declining Sportfish Population. Annual Performance Report to Nebraska Game and Parks Commission, Lincoln, NE

Hamel, M.J., and M.A. Pegg. 2013. Sturgeon Management in the Platte River, Nebraska. Annual Performance Review, U.S. Fish and Wildlife Service, Endangered Species Permitting – Denver, CO.

Hamel, M.J. and M.A. Pegg. 2012. Sturgeon Management in the Platte River, Nebraska. Annual Performance Report. Nebraska Game and Parks Commission, Lincoln, NE.

Hamel, M.J., and M.A. Pegg. 2012. Sturgeon Management in the Platte River, Nebraska. Annual Performance Review, U.S. Fish and Wildlife Service, Endangered Species Permitting – Denver, CO.

Hamel, M.J. and M.A. Pegg. 2011. Sturgeon Management in the Platte River, Nebraska. Annual Performance Report. Nebraska Game and Parks Commission, Lincoln, NE.

Hamel, M.J., and M.A. Pegg. 2011. Sturgeon Management in the Platte River, Nebraska. Annual Performance Review, U.S. Fish and Wildlife Service, Endangered Species Permitting – Denver, CO.

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