

## CURRICULUM VITAE - LANCE R. WILLIAMS

Chair and Professor of Biology

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### EDUCATION

- Ph.D.** 2000 Mississippi State University, Biological Sciences. Advisor: Dr. Christopher M. Taylor.
- M.S.** 1997 Oklahoma State University, Zoology. Advisor: Dr. Anthony A. Echelle.
- B.S.** 1994 University of Oklahoma, Zoology

### PROFESSIONAL EXPERIENCE

- 2018-Present **Professor of Biology and Chair**, University of Texas at Tyler
- 2014-2018 **Professor of Biology**, University of Texas at Tyler
- 2007-2014 **Associate Professor**, Department of Biology, University of Texas at Tyler
- 2002-2007 **Assistant Professor of Stream Ecology and Fisheries**, School of Environment and Natural Resources, The Ohio State University
- 2006-2007 **Adjunct Faculty**. Department of Biological Sciences, Bowling Green State University
- 2000-2002 **Assistant Professor of Biology**, Louisiana College
- 2001 **Contract Researcher**, USDA Forest Service
- 2000 **Research Associate**, Department of Biological Sciences, Mississippi State University
- 1997-2000 **Graduate Research and Teaching Assistant**, Department of Biological Sciences, Mississippi State University
- 1998-2000 **Adjunct Faculty**, Division of Science, Mississippi University for Women
- 1994-1997 **Graduate Research and Teaching Assistant**, Department of Zoology, Oklahoma State University
- 1993-1994 **Research Technician**, Oklahoma Natural Heritage Inventory, University of Oklahoma & Oklahoma Fisheries Research Lab, Oklahoma Department of Wildlife Conservation

### TEACHING EXPERIENCE

- Research Methods** (BIOL 5394)  
**Biology in Pop Culture** (BIOL 1330)

*Ecology* (BIOL 3336, 3137, U. of Texas at Tyler)  
*Biostatistics* (BIOL 5380, U. of Texas at Tyler)  
*Reservoir Fish Ecology* (ZOO 4970, Univ of Okla Biological Station)  
*Landscape Ecology* (BIOL 5333, 5133, U. of Texas at Tyler)  
*General Biology II* (BIOL 1307, U. of Texas at Tyler)  
*General Biology I* (BIOL 1306, U. of Texas at Tyler)  
*Aquatic Biology* (BIOL 4305/4105, 5305/5105, U. of Texas at Tyler)  
*Univariate & Multivariate Statistics* (BIOL 5101, 5102, U. of Texas at Tyler)  
*Biogeography* (BIOL 4304/5304, U. of Texas at Tyler)  
*Graduate Seminar* (BIOL 5193, U. of Texas at Tyler)  
*Phylogenetic Systematics* (BIOL 5366, U. of Texas at Tyler)  
*Watershed Ecology and Restoration* (ENR 770, The Ohio State University)  
*Quantitative Methods for Natural Resources* (ENR 822, The Ohio State University)  
*Ecology and Management of Aquatic Invertebrates* (NR 627, The Ohio State University)  
*Ichthyology* (ENR 694, The Ohio State University & BIO 4513, Mississippi State University & ZOO 4414, Oklahoma State University)  
*Professional Survey of Forestry, Fisheries, and Wildlife* (ENR 119, The Ohio State Univ.)  
*Field Techniques in Fisheries Management* (ENR 626, The Ohio State University)  
*Research in Natural Resources* (ENR 800, The Ohio State University)  
*Experimental Design in Ecology* (ENR 694, Stone Laboratory Field Station and ZOO 4970/6970, University of Oklahoma Bio. Station)  
*Biology Seminar* (BI 445, Louisiana College)  
*General Biology II (Zoology)* (BI 115/116, Louisiana College)  
*Field Biology* (BI 202, Louisiana College)  
*General Biology I (Botany)* (BI 113/114, Louisiana College)  
*General Ecology* (BI 431/432 Louisiana College & BIO 3104, Mississippi State University)  
*College Connection – Freshman Orientation* (CC 100, Louisiana College)  
*Introduction to Biology I* (BSB 101, Mississippi University for Women)  
*Introduction to Biology II* (BSB 102, Mississippi University for Women)  
*General Zoology* (BIO 1504, Mississippi State University)

### PEER REVIEWED PUBLICATIONS

39. Sain, M.P., J. Norrell-Tober, K. Barthel, M. Seawright, A. Blanton, K.L. Kertweck, J.S. Placyk, Jr., R. Small, **L.R. Williams**, M.G. Williams, and J.A. Banta. 2021. Multiple complementary studies clarify which co-occurring congener presents the greatest hybridization threat to a rare Texas endemic wildflower (*Hibiscus dasycalyx*: *Malvaceae*). *J. Bot. Res. Inst. Texas* 15(1):283-308.
38. Joerger, D., M.G. Williams, and **L.R. Williams**. 2021. Ecological analyses of macroinvertebrate and fish species in six streams on a Louisiana military base from 2001 to 2019. *Open Water* 7, Issue 1, Article 7.
37. Vaughan, C.M., M.G. Williams, N.B. Ford, and **L.R. Williams**. 2020. The role of tributaries in structuring mussel assemblages. *Open Water* 6, Issue 1, Article 3: 1-10.
36. Walters, A.D., M.A. Brown, G.M. Cerbie, M.G. Williams, J.A. Banta, **L.R. Williams**, N.B. Ford, and D.J. Berg. 2019. Do hotspots fall within protected areas? A geographic

- approach to planning analysis of regional freshwater diversity. *Freshwater Biology* 64:2046-2056.
35. Goodding, D., M.G. Williams, D. Ford, **L.R. Williams**, and N.B. Ford. 2019. Associations between substrate and hydraulic variables and the distributions of a sculptured and an unsculptured Unionid. *Freshwater Science* 38:543-553.
  34. Marshall, N.T., J.A. Banta, **L.R. Williams**, M.G. Williams, and J.S. Placyk, Jr. 2018. DNA barcoding permits identification of potential fish hosts of Unionid freshwater mussels. *American Malacological Bulletin* 36:42-56.
  33. Bertram, E.P., J.S. Placyk, Jr., M.G. Williams, and **L.R. Williams**. 2017. Verification of two cyprinid host fishes for the Texas pigtoe, *Fusconaia askewi*. *Freshwater Mollusk Biology and Conservation* 20:65-70.
  32. Walters, A.D., D. Ford, E. Chong, M.G. Williams, N.B. Ford, **L.R. Williams**, and J.A. Banta. 2017. High-resolution ecological niche modelling of threatened freshwater mussels in East Texas, USA. *Aquatic Conservation: Marine and Freshwater Ecosystems* 27:1251-1260.
  31. Ford, D.F., A.D. Walters, **L.R. Williams**, M.G. Williams, and N.B. Ford. 2016. Mussel assemblages in streams of different sizes in the Neches River basin of Texas. *Southeastern Naturalist* 15:26-40.
  30. Troia, M.J., **L.R. Williams**, M.G. Williams, and N.B. Ford. 2015. The process domains process as a framework for fish and mussel habitat in a coastal plain river of southeastern North America. *Ecological Engineering* 75:484-496.
  29. **Williams, L.R.** 2014. Tadpole Madtom *Noturus gyrinus*. Pp. 291-292 in M. Eberle et al. *Fishes of Kansas*, 3<sup>rd</sup> edition. University Press of Kansas.
  28. **Williams, L.R.**, and M.G. Williams. 2014. Slough Darter *Etheostoma gracile*. Pp. 396-397 in M. Eberle et al. *Fishes of Kansas*, 3<sup>rd</sup> edition. University Press of Kansas.
  27. D'Ambrosio, J.L., **L.R. Williams**, M.G. Williams, J.D. Witter, and A.D. Ward. 2014. Geomorphology, habitat, and spatial location influences on fish and macroinvertebrate communities in modified channels of an agriculturally-dominated watershed in Ohio, USA. *Ecological Engineering* 68:32-46.
  26. Morris, A.E.L., **L.R. Williams**, P.C. Goebel, and E.C. Braig IV. 2012. Association of brook trout and *Oncorhynchus* spp. With large wood jams in a Lake Superior tributary in a northern old-growth watershed. *Ecology of Freshwater Fish* 21:597-608
  25. Gorney, R.M., M.G. Williams, D.R. Ferris, and **L.R. Williams**. 2012. The influence of channelization on fish communities in an agricultural coldwater stream system. *American Midland Naturalist* 168: 132-143.
  24. Pyron, M., **L. Williams**, J. Beugly, and S.J. Jacquemin. 2011. The role of trait-based approaches in understanding stream fish assemblages. *Freshwater Biology* 56:1579-1592.
  23. Cantrell, J.L., D.W. Pogue, **L.R. Williams**, J.C. McCumber, and J.S. Placyk Jr. 2011. Vegetation composition influences avian species distributions in the post oak savannah ecoregion of northeast Texas. *Texas Journal of Science* 63:.
  22. Holmes, K.L., P.C. Goebel, **L.R. Williams**, and M. Schrecengost. 2011. Environmental influences on macroinvertebrate assemblages in headwater streams of Northeastern Ohio. *Journal of Freshwater Ecology* 26:409-422.
  21. Gorney, R.M., D.R. Ferris, A.D. Ward, and **L.R. Williams**. 2011. Assessing channel forming characteristics of an impacted headwater stream in Ohio, USA. *Ecological Engineering*

- 37:418-430.
21. Goebel, P.C., C.W. Goss, V. Bouchard, and **L.R. Williams**. 2010. How important are riparian forests to aquatic foodwebs in agricultural watersheds of north-central Ohio, USA? Pages 129-134 in *Forest Landscapes and Global Climate Change – New Frontiers in Management, Conservation, and Restoration*. J.C. Azevedo, M. Feliciano, J. Castro, & M.A. Pinto (eds). Instituto Politecnico de Braganca, Braganca, Portugal.
  20. Hersha, D.K., **L.R. Williams**, and V. Bouchard. 2009. Collection strategies for quantifying protist assemblages in temperate headwater streams. *Hydrobiologia* 630:115-126.
  19. D'Ambrosio, J.L., **L.R. Williams**, J.D. Witter, and A. Ward. 2009. Effects of geomorphology, habitat, and spatial location on fish assemblages in a Midwestern watershed in Ohio, USA. *Environmental Monitoring and Assessment* 148:325-341.
  18. **Williams, L.R.**, M.G. Williams, J.D. Hudson III, V. Campbell-Arvai, and T.L. Bonner. 2007. Evaluation of a stream system after clearcut logging disturbance in the Gulf coastal plain. *Journal of Freshwater Ecology* 22:119-133.
  17. **Williams, L.R.**, M.G. Williams, A. Grubh, E. Swinehart, and R. Standage. 2006. Food habits of the federally threatened leopard darter (*Percina pantherina*). *American Midland Naturalist* 156:208-211.
  16. Morris, A.E.L., P.C. Goebel, **L.R. Williams**, and B.J. Palik. 2006. Influence of landscape geomorphology on large wood jams and salmonids in an old-growth river of Upper Michigan. *Hydrobiologia* 556:149-161.
  15. Taylor, C.M., T.L. Holder, R.A. Fiorillo, **L.R. Williams**, R.B. Thomas, and M.L. Warren Jr. 2006. Distribution, abundance, and diversity of upland stream fishes under variable environmental conditions. *Canadian Journal of Fisheries and Aquatic Sciences* 63(1):43-54.
  14. **Williams, L.R.**, T.H. Bonner, J.D. Hudson III, M.G. Williams, T.R. Leavy, and C.S. Williams. 2005. Interactive effects of environmental variability and military training on stream biota of three headwater drainages in Western Louisiana. *Transactions of the American Fisheries Society* 134:192-206.
  13. **Williams, L.R.**, and A.E.L. Morris. 2005. Book review – The ecology and management of wood in world rivers, Symposium 37, American Fisheries Society. *Transactions of the American Fisheries Society* 134: 1366-1367.
  12. **Williams, L.R.**, M.L. Warren Jr., S.B. Adams, J.L. Arvai, and C.M. Taylor. 2004. Basin visual estimation technique (BVET) and representative reach approaches to wadeable stream surveys: methodological limitations and future directions. *Fisheries* 29(8):12-22.
  11. **Williams, L.R.**, C.M. Taylor, M.L. Warren, Jr., and J.A. Clingenpeel. 2004. The role of regional factors in structuring Ouachita Mountain stream assemblages. Pp. 231-238 *In: Ouachita and Ozark Mountains symposium: ecosystem management research. Edited by J.M. Guldin. USDA Forest Service, Southern Research Station. Gen Tech Rep. SRS-74. Asheville, North Carolina.*
  10. Taylor, C.M., **L.R. Williams**, R.A. Fiorillo, R.B. Thomas, and M.L. Warren, Jr. 2004. Fish assemblage structure under variable environmental conditions in the Ouachita Mountains. Pp. 239-245 *In: Ouachita and Ozark Mountains symposium: ecosystem management research. Edited by J.M. Guldin. USDA Forest Service, Southern Research Station. Gen Tech Rep. SRS-74. Asheville, North Carolina.*
  9. **Williams, L.R.**, C.M. Taylor, M.L. Warren, Jr., and J.A. Clingenpeel. 2003. Environmental

- variability, historical contingency, and the structure of regional fish and macroinvertebrate faunas in Ouachita Mountain stream systems. *Environmental Biology of Fishes* 67:203-216.
8. **Williams, L.R.**, C.M. Taylor, and M.L. Warren, Jr. 2003. Influence of fish predation on assemblage structure of macroinvertebrates in an intermittent stream. *Transactions of the American Fisheries Society* 132:120-130.
  7. **Williams, L.R.**, C.M. Taylor, M.L. Warren, Jr., and J.A. Clingenpeel. 2002. Large-scale effects of timber harvesting on stream systems in the Ouachita Mountains, Arkansas, USA. *Environmental Management* 29:76-87.
  6. **Williams, L.R.**, Crosswhite, D.L., and M.G. Williams. 2002. Short-term effects of riparian disturbance on *Desmognathus brimleyorum* (Plethodontidae) at a natural spring in Oklahoma. *Southwestern Naturalist* 47:611-613.
  5. **Williams, L.R.**, A.A. Echelle, C.S. Toepfer, M.G. Williams, and W.L. Fisher. 1999. Simulation modeling of population viability for the leopard darter (Percidae: *Percina pantherina*). *Southwestern Naturalist* 44:470-477.
  4. Echelle, A.F., A.A. Echelle, **L.R. Williams**, C.S. Toepfer, and W.L. Fisher. 1999. Allozyme perspective on genetic variation in a threatened percid fish, the leopard darter (*Percina pantherina*). *American Midland Naturalist* 142:393-400.
  3. **Williams, L.R.**, and A.A. Echelle. 1998. Collection in Oklahoma of a rare fish species, *Notropis chalybaeus* (Cyprinidae). *Proceedings of the Oklahoma Academy of Science* 78:115-116.
  2. Toepfer, C.S., **L.R. Williams**, A.D. Martinez, and W.L. Fisher. 1998. Fish and habitat heterogeneity in four Central Oklahoma/Texas Plains Ecoregion streams. *Proceedings of the Oklahoma Academy of Science* 78:41-48.
  1. **Williams, L.R.**, C.S. Toepfer, and A.D. Martinez. 1996. The relationship between fish assemblages and environmental gradients in an Oklahoma prairie stream. *Journal of Freshwater Ecology* 11: 459-468.

## TECHNICAL REPORTS

38. **Williams, L.R.**, J. Dickson, M.G. Williams, and R. Leicher. Mussel survey of Pendleton Park, Toledo Bend, Texas. Final Report – Hydrex Environmental.
37. Dickson, J. and **L. R. Williams**. 2022. Mussel Presence Survey at Richmond Agrihood, Texas. Final Report – Hydrex Environmental.
36. Williams, L.R., M.G. Williams, K.K. Davis, and R. Leicher. 2021. Aquatic fauna surveys on Camp Maxey and Camp Bowie training sites. Final Report – Texas National Guard.
35. Banta, J., **L. Williams**, N. Ford, K. Kellner, M. Williams, S. Reeder, and J. Dickson. 2020. Endangered species research projects on the distribution and abundance of the Texas Heelsplitter (*Potamilus amphicaenus*) and Louisiana Pigtoe (*Pleurobema riddellii*). Final Report – Texas Comptroller.
34. **Williams, L.R.**, M.G. Williams, and D. Joerger. 2020. Stream biomonitoring on Fort Polk and Peason Ridge, 2019 survey results. Final Report – U.S. Army.
33. **Williams, L.R.**, M.G. Williams, and R. Quintanilla. 2019. Aquatic fauna surveys on Camp Swift and Fort Wolters training centers. Final Report – Texas Army National Guard.
32. **Williams, L.R.**, M.G. Williams, and C. Fowler. 2019. Stream biomonitoring on Fort Polk and

- Peason Ridge, 2018 survey results. Final Report – U.S. Army.
31. McCarly, J.L., J. Banta, J.S. Placyk, Jr., M.G. Williams, and **L.R. Williams**. 2019. The status of the Kisatchie painted crayfish (*Faxonius maletae*) in Louisiana. Final Report – U.S. Army.
  30. **Williams, L.R.**, N. Ford, M.G. Williams, and S. Rumbelow. 2017. East Texas threatened mussels. Final Report – Texas Comptroller.
  29. **Williams, L.R.**, M.G. Williams, and A. Broadbent. 2017. Stream biomonitoring on Fort Polk and Peason Ridge 2017 survey results. Final Report – U.S. Army.
  28. Broadbent, A., J. Dudley, M.G. Williams, and **L.R. Williams**. 2016. Stream biomonitoring on Ft. Polk and Peason Ridge 2016 survey results. Final Report – U.S. Army.
  27. **Williams, L.R.**, M.G. Williams, J. Banta, J. Hernandez, L. Brown, J. Placyk. 2015. Ecological niche modeling and field surveys for the Kisatchie painted crayfish. Final Report – Texas Parks and Wildlife State Wildlife Gratr.
  26. **Williams, L.R.**, and M.G. Williams. 2015. Stream biomonitoring on Ft. Polk and Peason Ridge 2015 survey results. Final Report – U.S. Army.
  25. Cline, S., **L.R. Williams**, and M.G. Williams. 2014. Stream biomonitoring on Ft. Polk and Peason Ridge 2014 survey results. Final Report – U.S. Army.
  24. **Williams, L.R.**, A. Dunithan, D. Ford, M.G. Williams, and N.B. Ford. 2013. Using ecological niche modeling to predict the probability of occurrence of rare fish and mussel species in East Texas. Final Report – U.S. Fish and Wildlife Service.
  23. Ford, N.B., **L. Williams**, M.G. Williams, and M. May. 2013. Surveys for threatened and endangered mussels and fishes in rivers of northeastern Texas. Final Report – U.S. Fish and Wildlife Service.
  22. Randklev, C.R., H. Wang, A. Snelgrove, K. Skow, J. Groce, E. Tsakiris, B. Sowards, W.E. Grant, N. Wilkins, N. Ford, M. Williams, J. Banta, and **L. Williams**. 2013. Developing predictive models for the occurrence of rare and threatened mussel species in Texas – Phase I. Final Report – Texas Department of Transportation.
  21. Felix, K. Williams, M.G. and **L.R. Williams**. 2012. Stream biomonitoring on Ft. Polk and Peason Ridge 2012 survey results. Final Report – U.S. Army.
  20. Troia, M., **L.R. Williams**, N. Ford, and M.G. Williams. 2010. Hydrological and geomorphic controls on fish, mussel, and riparian vegetation communities in the Upper Neches River watershed. Final Report – Texas Parks and Wildlife Department.
  19. **Williams, L.R.**, B. Riley, M. Troia, and M.G. Williams. 2009. An ecological assessment and outreach program for Quail Creek, The Nature Center, Texas Parks and Wildlife Department. Final Report – TPWD.
  18. **Williams, L.R.**, D.W. Pogue, M.G. Williams, J.L. Coleman, and S. Jog. 2009. Vegetation community identification and accuracy assessment for Camp Bowie and Camp Swift. Final Report – Texas Army National Guard.
  17. Placyk, J.S. and **L.R. Williams**. 2008. Evaluation of habitat for threatened and endangered species in the Days Creek watershed, Texarkana, Texas. Final Report – AquATer, Inc.
  16. Farley, E.A., D.W. Pogue, and **L.R. Williams**. 2008. Breeding ecology of Bachman’s sparrow (*Aimophila aestivalis*) in post oak savannah on Camp Maxey, Lamar County, Texas. Final Report – Texas Army National Guard.
  15. Pogue, D.W., **L.R. Williams**, J.L. Coleman, M.G. Williams, and S.K. Jog. 2008. Vegetation community identification, ground surveys, accuracy assessment, and correction of land

- cover classifications for Fort Wolters and Camp Maxey. Final Report – Texas Army National Guard.
14. **Williams, L.R.**, and M.G. Williams. 2008. Evaluation of stream monitoring protocols for macroinvertebrate communities at Fort Polk, Louisiana. Final Report – U.S. Army.
  13. Jayakaran, A., L. Williams, and A. Ward. 2007. A report on the biological and geomorphological characteristics of 11 stream sites in the Wayne National Forest, Ohio. Final Report – USDA Forest Service.
  12. Lynch, W., and L.R. Williams. 2007. Apple Valley Lake fish community: status and recommendations. Final Report – Apple Valley Property Owners Association.
  11. Lynch, W., and **L.R. Williams**. 2006. Apple Valley Lake fish populations: status and recommendations II. Final Report – Apple Valley Property Owners Association.
  10. D'Ambrosio, J.D., A. Ward, J. Witter, K. King, and **L. Williams**. 2005. Olentangy River watershed total maximum daily load study. Ohio EPA.
  9. Moore, R., D. McCartney, **L. Williams**, M. Wood, J. Christner, P. Anderson, J. Kwolek, R. Ramseyer, S. Ankrom, D. Miklos, L. Grant, D. Hudgins, S. Long, J. Parker, K. Prasad, B. Stinner. 2005. A Plan to Reduce Phosphorus Loading and Improve Stream Ecological Function in the Middle Fork and Adjoining Watersheds of the Sugar Creek Watershed: Joint Recommendations for the Alpine Cheese Phosphorus Nutrient Trading Plan. Alpine Cheese Company NDPEs Permit Application to Ohio EPA. Ohio EPA. 49 pages.
  8. Williams, M.G., and **L.R. Williams**. 2005. Conservation assessment: Ohio lamprey *Ichthyomyzon bdellium*. USDA Forest Service, Eastern Region. (<http://www.fs.fed.us/r9/wildlife/tes/ca-overview/fish.html>)
  7. **Williams, L.R.**, M.G. Williams, A. Grubh, and E. Swinehart. 2005. Food habits of the federally threatened leopard darter. Final Report – USDA Forest Service.
  6. **Williams, L.R.**, M.G. Williams, and V. Campbell-Arvai. 2005. Impacts of sedimentation on lotic communities in a Coastal Plain stream system in western Louisiana (Ft Polk, U.S. Army, Louisiana). Final Report, U.S. Army.
  5. Lynch, W., and **L.R. Williams**. 2005. Apple Valley Lake fish populations: status and recommendations. Final Report – Apple Valley Property Owners Association.
  4. **Williams, L.R.**, and M.G. Williams. 2004. Evaluation of stream and riparian enhancement opportunities for the Hellbranch Watershed in Central Ohio. Final Report – Fuller, Mossbarger, Scott, and May Engineers, Inc. and U.S. Army Corps of Engineers.
  3. **Williams, L.R.**, T.H. Bonner, M.G. Williams, C.S. Williams, and T. Leavy. 2003. A survey of fishes and macroinvertebrates inhabiting streams of Peason Ridge Wildlife Management Area (Ft. Polk, US Army, Louisiana). Final Report, US Army.
  2. Bonner, T.H., **L.R. Williams**, C.S. Williams, M. Keegan, S. Raborn, D. Byrd, and D. Hudson. 2003. Spatial and temporal trends in assemblage structure and habitat associations for stream fishes of Louisiana and east Texas with notes on reproduction and feeding habits of the sabine shiner. Final Report, National Fish and Wildlife Foundation, General Conservation 2001, Washington D.C.
  1. Echelle, A.A., **L.R. Williams**, A.F. Echelle, and W.L. Fisher. 1998. Population viability analysis and genetic structure in the leopard darter. Final Report, Research Work Order 17. Department of Interior, USGS, Biological Resources Division, Reston, Virginia.

### **RESEARCH GRANTS (TOTAL \$10,044,127)**

- 2022-2025 NRCS, USDA. Develop a nationally scalable monitoring and assessment program to improve the ACEP-WRE program. **\$3,000,000**. UT Tyler portion **\$460,000** (M. Eggleton, University of Arkansas overall PI; L.R. Williams, UT Tyler PI, with J. Coleman, J. Dickson, M. Greenwold, R. Shartau, and M. Williams, Co-PIs).
- 2022-2023 *Louisiana Department of Wildlife and Fisheries*. Update on the current status and distribution of three rare Louisiana freshwater mussels, the Pyramid Pigtoe (*Pleurobema rubrum*), Alabama Hickorynut (*Obovaria unicolor*), and Rayed Creekshell (*Anodontoides radiatus*). **\$87,855** (co-PI with N. Ford)
- 2021-2022 *Texas Ecolab*. Faunal surveys for spring salamanders and snake fungal disease. **\$12,806**.
- 2020-2021 *Texas Army National Guard*. Aquatic fauna surveys on Camp Bowie and Camp Maxey Training Sites. **\$68,903**.
- 2019-2020 *Texas Comptroller*. The distribution and abundance of Louisiana Pigtoe (*Pleurobema riddellii*; Bivalvia: Unionidae), a rare east Texas endemic freshwater mussel. **\$67,214** (co-PI with J. Banta).
- 2019-2020 *Texas Comptroller*. The distribution and abundance of Texas Heelsplitter (*Potamilus amphicaenus*; Bivalvia: Unionidae), a rare east Texas endemic freshwater mussel. **\$110,999** (co-PI with J. Banta).
- 2019-2020 *U.S. Army and Gulf South Research Corp*. Stream biomonitoring at Fort Polk. **\$29,932**
- 2018-2019 *Texas Commission on Environmental Quality*. Water quality data collection for indicator bacteria in the Neches River watershed. **\$40,000**.
- 2018-2019 *U.S. Army and Gulf South Research Corp*. Stream biomonitoring at Fort Polk. **\$31,226**.
- 2017-2018 *Texas Army National Guard*. Aquatic fauna surveys at Fort Wolters and Camp Swift. **\$66,974**.
- 2017-2018. *Texas Comptroller*. Endangered species research projects for freshwater mussels, Region 2, East Texas. Addendum. **\$130,314** (co-PI with J. Placyk).
- 2017-2018 *U.S. Army and Quantitative Ecological Services*. Status of the Kisatchie painted crayfish (*Orconectes malatae*) in Louisiana. **\$100,810**.
- 2017-2018 *U.S. Army and Quantitative Ecological Services*. Unionid surveys of streams of Fort Polk, LA. **\$48,949** (co-PI with N. Ford).
- 2016-2017 *Texas Comptroller*. Endangered species research projects for freshwater mussels, Region 2, East Texas. Addendum. **\$164,174**.
- 2015-2016 *Texas Parks and Wildlife*. Experimental determination of host suitability for six state-threatened mussel species. **\$73,660** (co-PI with David Hoeinghaus at University of North Texas; UT Tyler portion **\$30,000**)
- 2015-2016 *U.S. Army and Quantitative Ecological Services*. Evaluation of stream biomonitoring program at Fort Polk. **\$25,000**
- 2014-2015 *U.S. Army and Quantitative Ecological Services*. Evaluation of stream biomonitoring program at Fort Polk. **\$25,000**
- 2014-2016 *Texas Comptroller*. Endangered species research projects for freshwater mussels, Region 2, East Texas. **\$299,952** (co-PI with N. Ford)
- 2013-2014 *Texas Parks and Wildlife*. Ecological niche modeling and field surveys for the



- Kisatchie Painted Crayfish *Orconectes maleate*. **\$25,920**.
- 2013-2014 **U.S. Army and Quantitative Ecological Services**. Evaluation of stream biomonitoring program at Fort Polk. **\$30,000**
- 2013-2015 **U.S. Fish and Wildlife Service, Section 6**. Distinguishing the Neches River Rose Mallow (*Hibiscus dasycalyx*) from its congeners using genetic and niche modeling methods. **\$85,456** (co-PI with Josh Banta)
- 2012-2014 **U.S. Fish and Wildlife Service, Section 6**. Identification of important fish hosts for East Texas freshwater mussels using genetic and ecological niche modeling methods. **\$69,113**
- 2011-2012 **Texas Department of Transportation**. Developing Predictive Models for the Occurrence of Rare and Threatened Mussel Species in Texas – Phase 1. **\$122, 852** (co-PI with N. Ford)
- 2011-2013 **U.S. Fish and Wildlife Service, Section 6**. Using ecological niche modeling to predict the probability of occurrence of rare fish and mussel species in East Texas rivers. **\$30,211**
- 2010-2012 **U.S. Fish and Wildlife Service, Section 6**. Surveys for threatened and endangered mussels and fishes in rivers of Northeastern Texas. **\$74,784** (co-PI with N. Ford)
- 2009-2012 **U.S. Army and Quantitative Ecological Services**. Evaluation of stream biomonitoring program at Fort Polk. **\$71,935**
- 2008-2011 **Texas Parks and Wildlife**. Hydrologic and geomorphic controls on fish, mussel, and riparian vegetation communities in the Upper Neches River Watershed. **\$51,561**
- 2007-2012 **National Science Foundation**. Linking watershed research and GK-12 education within an ecosystem context. **\$2,958,177**
- 2006-2008 **USDA Forest Service**. Aquatic ecological monitoring in the Wayne National Forest, Ohio. **\$40,000**
- 2006-2008 **Ohio Department of Natural Resources (ODNR)**. A Watershed Approach to Evaluating Stream Enhancement and Restoration in Ohio's Focus Watersheds. **\$125,631**
- 2006-2008 **Ohio Department of Natural Resources (ODNR)**. 2006-2008. Assessment and monitoring for the Olentangy River 319 ditch project. **\$152,500**
- 2006-2008 **Ohio Agricultural Research and Development Center (OARDC)**. Association of salamanders and downed wood in riparian forests of headwater streams in the Cuyahoga Valley National Park. **\$49,793**
- 2005-2007 **CONSOL Energy**. Analysis of alternatives for restoring a coal slurry impoundment and refuse pile at the Meigs Mine No. 31 site: assessment of current wildlife utilization and potential for wildlife habitat development. **\$63,100**
- 2005-2008 **USDA CSREES**. Landscape scale disturbances in an agroecosystem: impacts on aquatic and riparian environments in the Sugar Creek Watershed, Ohio. **\$590,000**
- 2005-2007 **U.S. EPA**. Understanding ecological processes in channelized headwater systems is a key to ecosystem protection while maintaining crop production. **\$382,718**
- 2005-2007 **Ohio Agricultural Research and Development Center (OARDC) and Alpine Cheese**. Evaluation of Innovative Conservation Measures in a Phosphorus Nutrient Trading Program in the Sugar Creek Watershed of Ohio (Alpine Cheese). **\$100,000**

- 2004-2005 **ESA Environmental Specialists, Inc. & U.S. Army.** Stream biomonitoring at Peason Ridge, Fort Polk, Louisiana. **\$200,197**
- 2004-2005 **Ohio EPA,** Olentangy River watershed TMDL study. **\$104,974**
- 2003-2004 **ESA Environmental Specialists, Inc. & U.S. Army.** Development of a Stream Biomonitoring Program for Fort Polk and Peason Ridge Wildlife Management Area, Louisiana. **\$124,447**
- 2003-2005 **USDA Forest Service.** Food habits of the federally threatened leopard darter (*Percina pantherina*). **\$11,141**
- 2003-2004 **Ohio Sea Grant.** Influence of Landscape Hierarchies on Food Web Structure in a Lower Great Lakes River System. **\$4,862**
- 2003-2004 **Ohio Agricultural Research and Development Center (OARDC).** Influence of landscape hierarchies on food web structure in the Cuyahoga River system. **\$25,000**
- 2002-2003 **ESA Environmental Specialists, Inc. & U.S. Army.** Stream biomonitoring at Peason Ridge, JRTC & Fort Polk, Louisiana. **\$54,970**
- 2001-2003 **URS Corporation & U.S. Army.** Aquatic biomonitoring at Fort Polk, Louisiana. **\$85,000**
- 2001-2002 **National Fish and Wildlife Foundation.** Spatial and temporal fish assemblage structures and habitat associates in streams of Louisiana and east Texas. **\$17,920**
- 2000-2001 **USDA Forest Service.** Community dynamics in small Ouachita Mountain streams, Phase II. **\$15,000**
- 1999-2000 **USDA Forest Service.** Community dynamics in small Ouachita Mountain streams. **\$30,000**
- 1999 **USDA Forest Service.** Effects of riparian disturbance on habitat suitability for plethodontid salamanders at Horsethief Spring, LeFlore County, Oklahoma, and status of the Rich Mountain salamander. **\$1000**
- 1997-1998 **USDA Forest Service.** Effects of riparian disturbance on habitat suitability for plethodontid salamanders at Horsethief Spring, LeFlore County, Oklahoma, and status of the Rich Mountain salamander. **\$4000**

### HONORS AND AWARDS

- 2017 **Excellence in Teaching Award,** National Society of Leadership and Success, University of Texas at Tyler
- 2014 **Provost's Excellence in Teaching Award,** University of Texas at Tyler
- 2013 **President's Scholarly Achievement Award,** University of Texas at Tyler
- 2011 **White Fellowship for Teaching Excellence,** University of Texas at Tyler
- 2008 **Outstanding Faculty Award,** College of Arts and Sciences, Alpha Chi, University of Texas at Tyler,
- 2006 **Price Advising Award,** College of Food Agricultural and Environmental Sciences (awarded for outstanding advising)
- 1998 **Best Student Presentation.** Annual Meeting of the Mississippi and Louisiana Chapters of the American Fisheries Society
- 1997 **Outstanding MS Graduate Student in Zoology.** Oklahoma State University

## PROFESSIONAL SERVICE

### Editorship

- Editorial Board of Southeastern Naturalist
- Managing Editor for Southwestern Naturalist

### Reviewer – Books & Journals

Aquatic Conservation: Marine and Freshwater Ecosystems, Canadian Journal of Fisheries and Aquatic Sciences, Earth Surface Processes and Landforms, Environmental Management, North American Journal of Fisheries Management, Discover Biology textbook, W.W. Norton Publisher, Freshwater Science, Transactions of the American Fisheries Society, Journal of Freshwater Ecology, Copeia, Ecological Applications, American Fisheries Society Book Chapter, American Midland Naturalist, Hydrological Processes, Hydrobiologia, Oecologia, NRCS Stream Design Guide NEH 654, *The Ecology and Management of Wood in World Rivers* by S.V. Gregory et al. American Fisheries Society, Ecological Modeling, Bulletin of Marine and Freshwater Research, Ecological Engineering, Ecography, Transactions of the American Society of Agricultural Engineers, Proceedings of the 14<sup>th</sup> Central Hardwoods Research Conference *Environmental Hydrology, 2<sup>nd</sup> edition* by Ward and Trimble. CRC Lewis Publishers, *Biology, 6<sup>th</sup> Edition* by Raven and Johnson. McGraw Hill, *General Ecology Laboratory Manual* by Cox. McGraw Hill, *Ecology Action Guide*. Benjamin/Cummings Publishing Co., *Inquiry into Life* by Sylvia Mader. McGraw Hill, *Vertebrate Biology* by Donald Linzey. McGraw Hill, Proceedings of the Southeastern Association of Fish and Wildlife Agencies

### Service Activities – University of Texas at Tyler

- Search Committee – Director of the Discovery Science Place (2022-2023)
- SACS QEP Committee (2021-2022)
- Emeritus Committee (2020-2021)
- University HOP Committee (2019-2022)
- Reboot Task Force (2020)
- Tenure and Promotion Committee – Fisch College of Pharmacy (2020)
- College of Arts and Sciences Tenure and Promotion Committee (2019-2021)
- Task Force – Workload Policy (2017-2018)
- Search Committee – Vice President for Operations and Strategic Initiatives (2018)
- Search Committee – Vice President for Advancement (2017)
- College of Arts and Sciences Tenure and Promotion Committee (2016-2018) - Chair
- Search Committee Chair – Assistant Professor Biology (2015-2016)
- Biology – Graduate Studies Committee (2015-2016, Chair)
- President, Faculty Senate (2016-2017)
- President, Faculty Senate (2014-2015)
- Tenure Review, Department of Art (2014)
- Post-tenure review – UT Tyler, Department of Art (2013)
- Search Committee Chair – Assistant Professor of Biology (2013-2014)

- Search Committee Chair – Assistant Professor of Biology (2012-2013)
- Biology – Planning Committee (2012, Chair)
- Biology – Faculty Evaluation (2012, Chair)
- Biology – Graduate Affairs (2011, Chair)
- Search Committee Chair – Assistant Professor of Biology (2010-2011)
- Search Committee Member – Dean, College of Arts and Sciences (2010-2011)
- Search Committee Member – Assistant Professor of Biology (2009-2010)
- University Core Curriculum Committee (2009-2012)
- Governance Committee, College of Arts and Sciences (2009-2011)
- Institutional Animal Care and Use Committee (IACUC, 2007-present), Chair (2009-2017)
- Search Committee Member – Assistant Professor of Biology (2007-2008)
- Search Committee Member – Instructor of Biology (2007-2008)

### **Service Activities – The Ohio State University**

- Search Committee Member – Kellogg Endowed Chair in Agroecosystem Ecology (2006)
- Graduate Studies Committee, School of Natural Resources (2004-2005)
- Academic Affairs Committee, School of Natural Resources (2004-2007)
- Ohio Center for Wetland and River Restoration Advisory Committee (2004-2007)
- Symposium Chair, Stream and Watershed Management. School of Natural Resources 2004 Graduate Student Symposium.
- Faculty Judge, College of Food Agricultural and Environmental Sciences – Undergraduate Research Forum (2004)
- Participant – AIC Workshop, The Ohio State University (2004)
- Symposium Chair, The Aquatic Environment. School of Natural Resources 2003 Graduate Student Symposium, The Ohio State University.
- Member Rural-Urban Task Force, The Ohio State University

### **Service Activities – Other Universities**

- Program Review, Colorado State University at Boulder (2019)
- Tenure review, UT Pan American (2014)
- Program Review, Northeastern Oklahoma State University (2013)
- Post-tenure review, Ball State University (2012)
- Curriculum Committee, Louisiana College (2001-2002)
- Teaching Assistant Panel, Mississippi State University (1998)
- Graduate Committee, Oklahoma State University (1996-1997)
- Planning Committee, Oklahoma State University (1995-1996)

### **Other Professional Activities**

- Judge for Paper Competition, Texas Chapter of the American Fisheries Society meeting, Waco, Texas (2020)
- Reviewed Biology Program at Colorado State University Pueblo (2019)
- Review Panel, EPA STAR graduate fellowships (2015)

- Reviewed Biology Program at Northeastern Oklahoma State University (2014)
- Judge for Student Paper Competition, Texas Chapter of the American Fisheries Society meeting, Galveston, Texas (2012)
- Local Host and Meeting Co-Organizer, Southwestern Association of Naturalists Annual Meeting, Tyler, Texas (2011)
- Science Expert for Nueces River Instream Flow BBEST (2010-2012)
- Reviewer for Texas Academy of Science student proposal competition (2011, 2012, 2013, 2014)
- Session Moderator, Southwestern Association of Naturalists Annual Meeting, Junction, Texas (2010)
- Awards Committee, American Fisheries Society, Southern Division (2008-present)
- Review Panel – USDA CSREES 406 Water Quality, Washington D.C. (6/2006)
- Continuing Education Committee, American Fisheries Society National Chapter (2005-present)
- Board Member – Water Management Association of Ohio. 2005-2007
- Review Panel – Ohio EPA 319 Grants Program (2005 and 2006)
- Board of Governors Candidate – American Society of Ichthyologists and Herpetologists 2005
- Reviewer – U.S. EPA Great Lakes Basin Landscape Ecology Metric Browser (v. 1.0) - 2005
- Reviewer – National Commission on Science for Sustainable Forestry Biodiversity Indicators (2002)
- Reviewer and Advisory Panel – Species Viability Evaluation and Forest Plan – Wayne National Forest, Ohio (2002-2003)
- Student Paper Judge, Annual Meeting of the American Fisheries Society, Baltimore, MD (2002)
- Instructor, Louisiana CATS Program for elementary school children, Louisiana College (2001)
- Poster Judge, Meeting of the Southwestern Association of Naturalists, Fayetteville, AR (1997)
- Editorial Board, *Natural Selection*, Oklahoma State University Department of Zoology Newsletter (1996)
- Biology Session Moderator, Meeting of the Oklahoma Academy of Sciences, Alva, OK (1995)

## **STUDENT ADVISING**

### **Current Graduate Students – University of Texas at Tyler**

- Ashley Broadbent – M.S. Biology. Non-thesis.
- Lillie Hawkins – M.S. Biology. Thesis topic – surveys of rare salamanders and caddisflies in east Texas springs.
- Karley Parker – M.S. Biology

- Alexandra Beemer – M.S. Biology

#### **Completed Graduate Students – University of Texas at Tyler**

- Lillie Hawkins. 2022. Associations of rare caddisflies with the western dwarf salamander *Eurycia paludicola*. ***Currently consulting with Edge.***
- Samantha Rowe. 2020. Water quality assessment of the Neches River and analysis of pathogenic bacterial contaminants. ***Currently Environmental Scientist with Smith County, Texas.***
- Alan Lizarraga. 2020. Prevalence of snake fungal disease caused by *Ophidiomyces ophidiicola* in east Texas. ***Currently Lab Manager at UT Tyler.***
- Danielle Joerger. 2020. Ecological analyses of macroinvertebrates and fish species in six streams on a Louisiana military base from 2001 to 2019. ***Currently with Georgia State Parks.***
- Jade McCarly. 2019. The status of the Kisatchie painted crayfish (*Faxonius maletae*) in Louisiana.
- Sara Rumbelow. 2018. Physiological responses of the state-listed Texas pigtoe to environmental stress. ***Currently Lecturer at The University of Texas at Tyler***
- Janey Nicole Dudley, J.N. 2017. Temporal dynamics of fish and macroinvertebrate assemblages on military land in Western Louisiana. ***Currently a practicing physician in Alabama.***
- Cassie Vaughan. 2017. The role of tributaries in structuring mussel communities. ***Currently works for the Forest Service in California.***

- Justin Hernandez. 2015. Ecological niche modeling of *Pteronotropis hubbsi*, the bluehead shiner: evaluating the effects of spatial filtering and Maxent features across various spatial extents.
- Erin Bertram. 2015. Confirmation of potential cyprinid hosts for a state threatened freshwater mussel of East Texas. ***Currently with Great Lakes Fisheries Commission.***
- Lindsey Griffin. 2014. Determining best use management practices for freshwater mussel relocation events using burrowing behavior. ***Currently works for US EPA.***
- Kurt Felix. 2013. Application of water quality guidelines to headwater streams on Fort Polk army base. ***Currently biologist for Texas Parks and Wildlife Department.***
- David Ford. 2013. Ground truthing Maxent in East Texas rivers. ***Currently biologist for Eco Analysts.***
- Kirian Heffentrager. 2013. Utilizing Maxent to improve and explain a species distribution model for freshwater mussel species in East Texas. ***Currently works for Texas Parks and Wildlife Department.***
- Ashley Dunithan. 2012. Using ecological niche modeling to predict occurrence of rare fish and unionid mussels in East Texas. ***Currently USFS biologist.***
- Matt Troia. 2010. Spatial and temporal variability in hydrogeomorphic conditions structure fish and mussel assemblages on the Upper Neches River. ***Currently Assistant Professor at University of Texas San Antonio.***
- Elizabeth Farley. 2008. Breeding ecology of Bachman's Sparrows (*Aimophila aestivalis*) in post oak savannah on Camp Maxey, Lamar County, Texas. ***Currently with Smithsonian Migratory Bird Center***

#### Completed Graduate Students – Ohio State University

- Deborah Hersha. 2009. Agricultural effects on protist assemblage structure in headwater streams. Ph.D. Environment and Natural Resources. ***Retired***
- Edward Moore. 2009. An Index of Biotic Integrity for macroinvertebrates and salamanders in primary headwater habitat streams in Ohio. M.S. Environment and Natural Resources. ***Currently with Ohio EPA***
- Rebecca Gorney. 2008. The geomorphological and ecological conditions of a lower Midwestern coldwater stream system. M.S. Environment and Natural Resources. ***Currently research scientist with NY DEC.***
- Hector Santiago. 2007. Landscape factors influencing macroinvertebrate assemblages in a midwestern headwater stream. M.S. Environment and Natural Resources. ***Currently with National Park Service***
- Archis Grubh. 2006. Effects of anthropogenic disturbances on biota in Gulf Coastal Plain streams. Ph.D. Environment and Natural Resources. ***Currently as Research Biologist with Texas Parks and Wildlife.***
- Elizabeth Risley. 2006. Relationships among land use, geomorphology, local habitat, and aquatic macroinvertebrate assemblages in agricultural headwater stream systems. M.S. Environment and Natural Resources. ***Currently with Ohio EPA TMDL Program.***
- Marie Schrecengost. 2005. Factors influencing structure of headwater stream communities in the Cuyahoga Valley National Park, Northeast Ohio. M.S. Natural Resources. ***Currently with Ohio State University.***

- Sarah Beck. 2005. Influences of disturbance on macroinvertebrate drift in U.S. coastal plain streams. M.S. Natural Resources. *Currently with U.S. Forest Service.*
- Dawn Farver. 2004. Exploring the link between geomorphology and biological integrity of headwater streams in Ohio. Department of Food, Agricultural, and Biological Engineering (co-advised with Andy Ward). *Currently ELM Group, NJ.*

#### **Graduate Committees – University of Texas at Tyler**

- Sarah Reeder – M.S. Biology 2021
- Ava Laszlo – M.S. Biology 2019
- Nevada King – M.S. Biology 2019
- Elizabeth Hinkle – M.S. Biology 2018
- Jared Dickson – M.S. Biology 2018
- Larrimy Brown – M.S. Biology 2017
- Andrew Glen – M.S. Biology 2017
- Melody Sain – M.S. Biology 2015
- Dan Symonds – M.S. Biology 2015
- Patrick Rydzak – M.S. Biology 2015
- David Bakken – M.S. Biology 2013
- Alex Arp – M.S. Biology 2013
- Danny Goodding – M.S. Biology 2012
- Chris Samuelson – M.S. Biology 2012
- Anna Biesbrock – M.S. Biology 2013
- Julia Sonn – M.S. Biology 2011
- Jamie Cantrell – M.S. Biology 2010
- Jake Pruett – M.S. Biology. 2008
- Denise Chin – M.S. Biology. 2008
- Chase Hively – M.S. Biology 2009
- Danielle Tufts – M.S. Biology. 2008

#### **Graduate Committees – Other**

- Muhammad Nadeem Abbas – Ph.D. 2012 – University of Agriculture, Faisalabad, Pakistan

#### **Graduate Committees – Ohio State University**

- Jessica D'Ambrosio – Ph.D. 2012 – Food Agricultural, and Biological Engineering
- Scott Hardy – Ph.D. 2007. Environment and Natural Resources
- Kyle Herrman – Ph.D. 2007. Environment and Natural Resources
- Nancy Sundell-Turner – M.S. 2006. Environment and Natural Resources
- Joshua Smith – M.S. 2006. Environmental Sciences
- Jaime Ullinger – Ph.D. Anthropology (Examination Committee)
- Jon Witter – Ph.D. 2006. Food Agricultural, and Biological Engineering
- Anand Jayakaran – Ph.D. 2006. Food Agricultural, and Biological Engineering
- Erick Powell - Ph.D. 2006. Food Agricultural, and Biological Engineering



- Arthur Morris – Ph.D. 2005. Natural Resources
- Jessica D’Ambrosio – M.S. 2003. Environmental Sciences
- Deni Porej – Ph.D. 2003. Evolution, Ecology, and Organismal Biology (Examination Committee)

#### **Research Associates/Assistants - Univ. of Texas at Tyler**

- Rachel Leicher (2021-2022)
- Kennedy Davis (2021-present)
- Briana Aguilar (2019-2021)
- Elizabeth Boshers (2019-2021)
- Jesse Herring (2019-2020, student)
- Daniel Hutchins (2019, student)
- Dustin Esmond (2018-2020, student)
- Rachel Quintanilla (2018-2020; student)
- Tyler Grabski (2018-2019; student)
- Samantha Rowe (2017-2018; student)
- Audrey Thomas (2017-2018; student)
- Emily Camara (2017-2018; student)
- Marisa Quevedo (2017-2018; student)
- Katy Lunceford (2016-2018; student)
- Ashley Broadbent (2016-2017; student)
- Janey Nicole Dudley (2015; student)
- Danna Hill (2015; student)
- Katelyn Bryant (2014-2015; student)
- Brenda Arras (2014; student)
- Acacia Servin (2012-present; student)
- Conner Luttrell (2013-present; student)
- Brandy Murray (2013; student)
- Lindsey Hayes (2012; student)
- Bethany Riley (2007-2011; student)
- Jeff Bouse (2010-2011; student)
- Leona Caldemeyer (2010; student)

#### **Research Associates/Assistants (Ohio State Univ.)**

- Justin Walters (2007-2008; student)
- Belynda Smiley (2006-2008 – laboratory coordinator)
- Justin Williams (2006-2008; student)
- Rich Ciotola (2006-2007; technician)
- Amanda (Troutman) Rapp (2006-2008; student)
- Jeremy Pritt (2006-2008; student)
- Krystal Seger (2006-2007; student)
- Priyanka Jagdale (2006-2007; student)
- Jeff Risley (2005-2006; student)

- Jayson Beugley (2005; student)
- Megan Zale (2004-2005, 2007; student)
- Kerri Seger (2005-2006; student)
- Kathleen Ludwig (2004-2005; student)
- Ryan Watson (2003-2004; student)
- Victoria Campbell-Arvai (2003-2004 – laboratory coordinator)
- Katie LaFay (2003-2005; student)
- Valerie Kessler (2002-2003; student)
- Shio Ito (2002-2004; student)
- Andrea Shyjka (2004; student)

### **Undergraduate Assistants (Other Institutions)**

- Bridgette Blood (2001-2002, Louisiana College)
- Loren Stagg (2001-2002, Louisiana College)
- Mandy Holden (2001, Louisiana College)
- Jason Schwartz (2002, Louisiana College)
- Rick Edwards (2002, Louisiana College)
- Anna Trousdale (1998-2000, Mississippi State University)

## **EXTENSION AND OUTREACH ACTIVITIES**

- Science Day with Winona ISD – UT Tyler (2022)
- Aquatic Biology Summer Camp – UT Tyler (2021)
- Zoo Biology at Caldwell Zoo – UT Tyler Honors Program (2019)
- “Careers in aquatic and marine biology” – presented to Winona Independent School District (2018)
- “Conservation of freshwater mussel species in East Texas Rivers” – presented to East Texas Master Naturalists (2016)
- Technical Workshop – “Introduction to habitat analysis for mussels including geomorphology” with M.G. Williams. 30 participants (March 17, 2012)
- Technical Workshop (Continuing Education) – “Understanding the Geomorphology and Ecology of Stream Systems” with Drs. Andy Ward and Edwin Herricks. 30 participants (September 7, 2006), Columbus, Ohio.
- Taught one day workshop on “319 Grant Writing” to 70 professionals in consulting, government, etc. With J. Bonnell and A. Baird, co-sponsored by ODNR and Ohio EPA (February 2006).
- Taught one day of NR 690 “Environmental Systems Science” to 10 high school teachers (July 20, 2005) with M.G. Williams
- Technical Workshop (Continuing Education) – “Geomorphology and Ecology of Stream Systems” with Drs. Andy Ward and Edwin Herricks. 49 participants (June 7-10, 2005)
- Technical Workshop (Continuing Education) – “Geomorphology and Ecology of Stream Systems” with Drs. Andy Ward and J. David Allan. 25 participants (August 16-19, 2005)
- “Stream ecology in the winter – The Olentangy River” – presented to FLOW (Friends of

- the Lower Olentangy Watershed), Columbus, Ohio (2/1/2005)
- “Stream fish and macroinvertebrates as environmental indicators” workshop. Get Real About Science Program, College of Food, Agricultural, and Environmental Sciences. The Ohio State University, Columbus, Ohio (11/2005, 4/2005, and 11/2004)
  - Reviewed 2 Fact Sheets for OSU Extension (2004)
  - Riparian corridors and stream water quality. Meeting of the Environmentally Sensitive Development Area (ESDA) External Advisory Group (EAG), Darby Creek and Hellbranch Watersheds. Columbus, Ohio (2003)
  - Using fish as water quality indicators. Ohio State University Extension Workshop – 2003 Watershed Stewards Series (2003)
  - Stream ecology workshop. Third Annual Student Symposium for Waterways Adventure, After School Discovery Program, Kent State Ashtabula, Ohio (2003)
  - Streams and watersheds. Ohio State University Extension Workshop – Natural Resources Management and Wildlife Habitat Enhancement on Public Open Spaces (2002)

### **INVITED SEMINARS**

24. Conservation of freshwater mussel species in East Texas rivers. San Angelo State University (2017)
23. Conservation of threatened fish and mussel species in East Texas rivers. University of Missouri, Department of Fisheries and Wildlife Science (2013)
22. Conservation of rare fish and mussel species in East Texas rivers. Sam Houston State University, Department of Biology (2012)
21. Seeing the forest and the trees: understanding the factors that shape headwater stream communities. Texas A&M University, Department of Wildlife and Fisheries (2008)
20. Impacts of landscape scale disturbance on headwater stream communities. University of Louisiana at Monroe (2007)
19. Impacts of landscape scale disturbances on headwater agricultural streams. Invited Speaker, “Headwaters at the Nexus” Symposium of The American Fisheries Society Meeting, San Francisco, CA (2007)
18. Preparation for graduate school in fisheries ecology and management. Keynote Presentation—Ohio Student Chapter of the American Fisheries Society Meeting, Columbus, OH (2007)
17. The role of fish in headwater streams: local and landscape perspectives. Bowling Green State University, Bowling Green, OH (2006)
16. Evaluating the potential for a rainbow trout fishery in Apple Creek. Meeting of the Clear Creek Chapter Trout Unlimited, Wooster, OH (2005)
15. Is clearcutting beneficial for streams? Testing predictions in the Gulf Coastal Plains. Ball State University, Muncie, IN. (2004)
14. Timber harvesting and hurricanes: impacts of disturbances on streams in the southeastern U.S. College of Wooster, Wooster, OH (2004)
13. Stream biota and the management of riparian zones. The STREAMS Channel Protection and Restoration Conference, Columbus, OH. (2003)

12. Community ecology: understanding impacts of disturbances in small streams. University of South Carolina, Spartanburg, SC. (2003)
11. Impacts of disturbance on headwater streams in the southern U.S. Ohio Environmental Protection Agency, Columbus, OH (2003)
10. Use of genetic information to manage stream fishes. Meeting of the Smallmouth Bass Alliance, Columbus, OH (2003)
9. Impacts of disturbance on small stream systems in the southeastern U.S. The Ohio State University, Columbus, OH. (2002)
8. Impacts of disturbance on small stream systems in the southeastern U.S. Paul Smiths College, Paul Smiths, NY. (2002)
7. Community dynamics in Ouachita Mountain stream systems: a multi-scale approach. Louisiana Tech University, Ruston, LA. (2002)
6. Community dynamics in Ouachita Mountain stream systems: a multi-scale approach. New Mexico State University, Las Cruces, NM. (2001)
5. Community dynamics in Ouachita Mountain stream systems: a multi-scale approach. Fort Polk, LA. (2001)
4. The role of regional and local factors in structuring Ouachita Mountain stream assemblages. California State University Chico, Chico, CA. (2000)
3. Community structure and the effects of sampling scale. Maryville College, Maryville, TN. (2000)
2. The role of regional and local factors in structuring Ouachita Mountain stream assemblages. Northwestern State University, Natchitoches, LA. (1999)
1. Factors influencing variability in fish assemblages. Lambuth University, Jackson, TN. (1998)

#### **OTHER PRESENTATIONS (*STUDENT PRESENTATIONS IN ITALICS*)**

130. *Fisheries assessment of Camp Maxey, Texas. Louis Stokes Alliance for Minority Participation Conference, El Paso, TX (2021) – K. Davis*
129. *Assessment of hydrology and recreational fishery potential at Camp Bowie in Brownwood, TX. Louis Stokes Alliance for Minority Participation Conference, El Paso, TX (2021) – R. Leicher*
128. *Impact of wastewater discharge on macroinvertebrate in the Sabine River. Louis Stokes Alliance for Minority Participation Conference, El Paso, TX (virtual; 2020) – E. Boshers*
127. *A comparison of macroinvertebrate sampling methods on a stream system in Tyler, Texas. Louis Stokes Alliances for Minority Participation Conference, El Paso, TX (virtual; 2020) – B. Aguilar.*
126. *Ecological analyses of macroinvertebrate and fish species in six streams on a Louisiana military base from 2001 to 2019. Texas Chapter American Fisheries Society Conference, Waco, TX (2020) – D. Joerger*
125. *Water quality assessment of the Upper Neches River watershed. Texas Chapter American Fisheries Society Conference, Waco, TX (2020) – S. Rowe*
124. Using Climate Envelope Modeling to Assess the Habitat of the Kisatchie Painted Crayfish, *Faxonius malatae*. National Collegiate Honors Council Research Conference, New Orleans, LA – E. Griffin (1<sup>st</sup> prize winner).

123. *The status of the Kisatchie painted crayfish (Faxonius maletae) in Louisiana. Southern Division of the American Fisheries Society Conference, Galveston, TX (2019) – J. McCarley*
122. *Verifying genomically-informed ecological niche models. Southern Division of the American Fisheries Society Conference, Galveston, TX (2019) – A. Laszlo*
121. *Water quality assessment of the Upper Neches River Watershed. Southern Division of the American Fisheries Society Conference, Galveston, TX (2019) – S. Rowe*
120. *Stream biomonitoring and aquatic fauna surveys on Fort Wolters training center. Southern Division of the American Fisheries Society Conference, Galveston, TX (2019) – R. Quntanilla*
119. *Biomonitoring of aquatic fauna on Camp Swift training center. Southern Division of the American Fisheries Society Conference, Galveston, TX (2019) – M. Currans*
118. *Biomonitoring of aquatic fauna at Fort Polk training center. Southern Division of the American Fisheries Society Conference, Galveston, TX (2019) – C. Fowler*
117. *The Kisatchie painted crayfish (Orconectes maleate) status in Louisiana. Southwestern Association of Naturalists Conference, San Marcos TX (2018) – J. McCarley (3<sup>rd</sup> place winner of the Hubbs Poster Competition)*
116. *Stream biomonitoring at Camp Swift, Bastrop Co., Texas. Southwestern Association of Naturalists Conference, San Marcos TX (2018) – K. Lunceford*
115. *Verifying genomically-informed ecological niche models. Southwestern Association of Naturalists Conference, San Marcos TX (2018) – A. Laszlo*
114. *Stream biomonitoring of Fort Polk, Louisiana, USA. Southwestern Association of Naturalists Conference, San Marcos TX (2018) – A. Broadbent*
113. *Physiological responses of the state-threatened Texas pigtoe to environmental stressors. Southwestern Association of Naturalists Conference, San Marcos TX (2018)*
112. *Physiological responses of the state threatened Texas pigtoe to environmental stress. Texas American Fisheries Society, College Station, TX (2018) – S. Rumbelow*
111. *Stream biomonitoring at Camp Swift, Bastrop Co, Texas. Texas American Fisheries Society, College Station, TX (2018) – K. Lunceford*
110. *The Kisatchie painted crayfish (Orconectes maleate) status in Louisiana. Texas American Fisheries Society, College Station, TX (2018) – J. McCarley*
109. *The Kisatchie painted crayfish (Orconectes maleate) status in Louisiana. Texas Academy of Science, Midland, TX (2018) – J. McCarley*
108. *The relationship between mesohabitat structure and mussel communities in an East Texas River. Texas Academy of Science, Belton, TX (2017) – A. Glen*
107. *Temporal dynamics of fish and macroinvertebrate assemblages in Western Louisiana. Southwestern Association of Naturalists Conference, Lawton, OK (2017).*
106. *The role of tributaries in structuring mussel communities. Southwestern Association of Naturalists Conference, Lawton, OK (2017) – C. Vaughan*
105. *Stream biomonitoring of Fort Polk, Louisiana. Louis Stokes Alliances for Minority Participation Conference, El Paso, TX (2016) – A. Broadbent*
104. *Update on the state listed mussels of East Texas. Texas Mollusk Symposium, Dallas, TX (2016)*
103. *Diet and life history of the brown madtom (Noturus phaeus) in Louisiana. Texas Chapter of the American Fisheries Society, Kerrville, TX (2016) – J. Dudley*

102. *Distribution and taxonomy of the Texas gartersnake (Thamnophis sirtalis annectens)*. Texas Academy of Science, San Antonio, TX (2015) – K. Key
101. *Testing whether ecological differentiation supports the taxonomy of three hibiscus species in Northeast Texas*. Texas Academy of Science. San Antonio, TX (2015) – M. Sain.
100. *Restoration of Quail Creek at the Texas Parks and Wildlife Nature Center, Tyler TX*. Texas Academy of Science. San Antonio, TX (2015) – B. Ciara
99. *Determining viable host-fish species for Fusconaia askewi, and Potamilus amphichaenus, and Pleurobema riddellii in East Texas*. Freshwater Mussel Conservation Society. St. Charles, MO (2015) – E. Bertram
98. *Impact of stream size on the mussel communities in the Upper Neches River basin of Texas*. Freshwater Mussel Conservation Society. St. Charles, MO (2015)
97. *Determining viable host-fish species for Fusconaia askewi, and Potamilus amphichaenus, and Pleurobema riddellii in East Texas*. Texas American Fisheries Society, Tyler TX (2015) – E. Bertram
96. *The effects of electroshocking on unionid mussel larval release*. Texas American Fisheries Society, Tyler TX (2015) – D. Symonds
95. *Testing whether ecological differentiation supports the taxonomy of three hibiscus species in Northeast Texas*. Evolution Annual Conference. Raleigh, NC (2014) – M. Sain
94. *Determining viable host-fish species for Fusconaia askewi and Potamilus amphichaenus in East Texas*. Texas Mussel Symposium. Kerrville, TX (2014) – E. Bertram
93. *Long term water quality testing at Fort Polk, LA*. LSAMP Conference, El Paso, TX (2014) – S. Cline
92. *An integrative approach to conservation biology*. Texas Society for Ecological Restoration, Alpine, TX (2014)
91. *The effects of summer dislodging (relocation events) on different species of freshwater mussels' (Unionidae) ability to re-bury*. Texas-Oklahoma American Fisheries Society, Lake Texoma (2014) – L. St. Clair
90. *Identification of potential fish hosts utilized by east Texas mussels*. Texas-Oklahoma American Fisheries Society, Lake Texoma (2014) – N. Marshall
89. *Improvement of a niche model and its components for species of freshwater mussels (Unionidae) in East Texas rivers*. Southwestern Association of Naturalists Meeting, Lake Charles, Louisiana (2013) – K. Heffentrager
88. *Quantification of glochidia on host fishes in the Sabine and Sulphur Rivers in East Texas*. Southwestern Association of Naturalists Meeting, Lake Charles, Louisiana (2013) – B. Murray
87. *Using Maxent to predict habitat suitability of state-threatened Unionid species in East Texas*. Freshwater Mollusk Conservation Society, Guntersville, Alabama (2013) – A. Walters
86. *Quantification of glochidia on host fishes in the Sabine and Sulphur Rivers in East Texas*. Freshwater Mollusk Conservation Society, Guntersville, Alabama (2013) – N. Marshall
85. *Impact of land use practices on community ecology of freshwater mussels in East Texas rivers*. Freshwater Mollusk Conservation Society, Guntersville, Alabama (2013) – K. Heffentrager
84. *Ground-truthing Maxent in East Texas rivers*. Freshwater Mollusk Conservation Society,

- Guntersville, Alabama (2013) – D. Ford*
83. Ecological niche modeling of rare fish and mussel species in East Texas. Southeastern Fishes Council, New Orleans, Louisiana (2012)
  82. Freshwater mussels of the proposed Wild and Scenic Neches River. Texas Chapter of the American Fisheries Society, Galveston, Texas (2012).
  81. *Using Maxent to predict distributions of rare fish and mussel species in East Texas. Texas Chapter of the American Fisheries Society, Galveston, Texas (2012) – A. Dunithan*
  80. *Community structure of fishes and mussels in two East Texas rivers. Texas Chapter of the American Fisheries Society, Galveston, Texas (2012) – K. Pettingill*
  79. *The effects of non-native riparian vegetation on freshwater macroinvertebrates. Alpha Chi National Convention, San Diego, California (2011) – B. Riley. **Winner of the Blake and Trish Janutolo Prize.***
  78. *Using Maxent to predict the probability of occurrence of rare fish and mussel species in the Sabine River and Neches River in East Texas. Ecological Society of American Annual Conference, Austin Texas (2011) – A. Dunithan*
  77. *Restoration of Quail Creek at the Texas Parks and Wildlife Nature Center, Tyler Texas. Southwestern Association of Naturalists Annual Conference, Tyler Texas (2011) – B. Riley*
  76. *Habitat modeling using Maxent for rare and endangered fish and mussel species in the Sabine River. Southwestern Association of Naturalists Annual Conference, Tyler, Texas (2011) – A. Dunithan*
  75. Role of riparian forests as energy sources for aquatic food webs in an agricultural watershed. Ecological Society of American Annual Conference, Pittsburgh, Pennsylvania (2010)
  74. Influence of Lake Palestine on hydrogeomorphology and biological communities in the Upper Neches River. Texas Chapter of Society for Ecological Restoration, Tyler, Texas (2010)
  73. *How important are riparian forests to aquatic foodwebs in agricultural watersheds of north-central Ohio, USA. IUFRO Landscape Ecology International Conference, Portugal (2010) – C. Goss*
  72. *Host-pathogen interactions of mosquitoes and amphibians in east Texas. Southwestern Association of Naturalists Annual Conference, Junction, Texas (2010) – J. Soon*
  71. *Characteristics of avian community structure in four different habitat types of northeast Texas. Southwestern Association of Naturalists Annual Conference, Junction, Texas (2010) – J. Cantrell*
  70. *The presence and identification of glochidia on host fish in the Neches River. Southwestern Association of Naturalists Annual Conference, Junction, Texas (2010) – B. Riley*
  69. Hydrologic and geomorphic controls on mussel assemblages in the Upper Neches River watershed. Southwestern Association of Naturalists Annual Conference, Junction, Texas (2010)
  68. *Hydrologic and geomorphic controls on fish assemblages in the Upper Neches River. Southwestern Association of Naturalists Annual Conference, Junction, Texas (2010) – M. Troia*
  67. *Hydrologic and geomorphic controls on fish and mussel assemblages in the upper Neches*

- River watershed. Texas Chapter of the American Fisheries Society, Athens, Texas (2010) – M. Troia*
66. The relationship between fish assemblages, watershed form and function, and local habitat in highly disturbed headwater streams. American Society of Ichthyologists and Herpetologists Annual Conference, Portland, Oregon (2009)
  65. A watershed scale approach for headwater stream restoration. American Society of Ichthyologists and Herpetologists Annual Conference, Portland, Oregon (2009)
  64. Detection of stream fish assemblage structure using functional groups and taxonomy. American Fisheries Society Annual Conference, Nashville, Tennessee (2009)
  63. Detection of stream fish assemblage structure using functional groups and taxonomy. American Society of Ichthyologists and Herpetologists Annual Conference, Portland, Oregon (2009)
  62. Educational outreach in an impaired agricultural watershed. Ecological Society of America Annual Conference, Milwaukee, Wisconsin (2008)
  61. Should you include bridge pools in stream fish surveys? Southwestern Association of Naturalists Conference, Memphis, Tennessee (2008)
  60. *Assessment of the restoration of a coldwater Ohio stream: a matter of scale. Ohio Fish and Wildlife Conference, Columbus, Ohio (2008) – R. Gorney*
  59. *Restoration of an agriculturally impacted Midwestern coldwater stream system. Midwest Fish and Wildlife Conference, Madison, Wisconsin (2007) – R. Gorney*
  58. *Evaluation of restoration potential of a coldwater stream ecosystem. Ecological Society of America Annual Conference, San Jose, California (2007) – R. Gorney*
  57. Impacts of landscape scale disturbances on headwater agricultural streams. Symposium: Headwaters at the Nexus, American Fisheries Society Annual Conference, San Francisco, California (2007)
  56. Effects of geomorphology and local habitat on fish assemblages in the Wayne National Forest. Ecological Society of America Annual Conference, San Jose, California (2007)
  55. *The development, function, and benefits of fluvial benches in agricultural drainage ditches in Ohio. EWRI (ASCE) 2007 World Environmental and Water Resources Congress, Tampa, Florida (2007) – J. D'Ambrosio*
  54. *Riparian forest, aquatic habitat, and vertebrate influences on macroinvertebrate assemblages in headwater streams of Northeast Ohio. 7<sup>th</sup> North American Forest Ecology Workshop, Vancouver, B.C. (2007) – K. Holmes*
  53. *Riparian forest, aquatic habitat, and vertebrate influences on macroinvertebrate assemblages in headwater streams of Northeast Ohio. Ohio Agricultural Research and Development Center Annual Conference (2007) – K. Holmes*
  52. *An assessment of the fishes, macroinvertebrates, habitat, and geomorphic condition of an Ohio coldwater stream ecosystem. Ohio Student Chapter of the American Fisheries Society Meeting, Columbus, Ohio (2007) – R. Gorney*
  51. *Current wildlife utilization and habitat development alternatives for restoring a coal slurry impoundment and refuse pile in Meigs county, Ohio. Ohio Student Chapter of the American Fisheries Society Meeting, Columbus, Ohio (2007) – J. Williams*
  50. Ecology and management of agricultural drainage ditches: a literature review. Water Management of Association of Ohio Conference, Columbus, Ohio (2006)
  49. The role of fish in headwater stream quality monitoring programs: local and landscape



- perspectives. Water Management Association of Ohio Conference, Columbus, Ohio (2006)
48. *Protozoan bioassessment tool in headwater streams: an examination of collecting methods.* Water Management Association of Ohio Conference, Columbus, Ohio. **WINNER OF STUDENT POSTER COMPETITION (2006)** - D. Hersha
  47. *Understanding habitat and predator influences on benthic macroinvertebrate assemblages along second-growth forested headwater streams of northeast Ohio.* Ecological Society of America Annual Conference, Memphis, Tennessee (2006) – K. Holmes
  46. Stream biota and the management of riparian zones. Ohio Soil and Water Conference, Columbus, Ohio (2006)
  45. Landscape perspectives on biological monitoring in headwater streams. Annual Meeting of the American Fisheries Society, Lake Placid, New York (2006)
  44. Disturbances, extreme events, and the structure of stream communities. Water Management Association of Ohio Conference, Columbus, Ohio (2005)
  43. *Stream macroinvertebrate response to the absence of fish predators: an experimental study using enclosures.* Midwest Fish and Wildlife Conference, Grand Rapids, Michigan (2005) – A. Grubh
  42. Biological monitoring of headwater streams: lessons from Ohio and future directions. Midwest Fish and Wildlife Conference, Grand Rapids, Michigan (2005)
  41. Freshwater macroinvertebrate research in western Louisiana: limitations of our knowledge base. Annual Meeting of the North American Benthological Society, New Orleans, Louisiana (2005)
  40. *Association of brook trout (*Salvelinus fontinalis*) with large wood jams in pools of a river in northern hardwood-conifer old-growth forest.* USDA-CSREES National Water Quality Conference, San Diego, California (2005) – A. Morris
  39. Assessing the efficacy of EPA rapid bioassessment protocols (RBP) for macroinvertebrates in coastal plains streams. Midwest Fish and Wildlife Conference, Indianapolis, Indiana (2004)
  38. *A comparison of the macroinvertebrate assemblages in first and second order streams in the Cuyahoga Valley National Park.* Midwest Fish and Wildlife Conference, Indianapolis, Indiana (2004) – M. Schrecengost
  37. *Impacts of timber harvesting on macroinvertebrate drift in headwater streams in the southeastern U.S.* Midwest Fish and Wildlife Conference, Indianapolis, Indiana (2004) – S. Beck
  36. *An investigation of strategies to predict flood-peak discharges on variously-sized watersheds in Ohio.* American Society of Agricultural Engineers (ASAE) Annual Conference, St. Paul, Minnesota. (Abstract published in “Self-Sustaining Solutions for Streams, Wetlands, and Watersheds” – ASAE Publisher, St. Joseph, Michigan. Edited by J.L. D’Ambrosio. Pp. 383.) (2004) – J. D’Ambrosio
  35. *Watershed planning, TMDL development, and research in the Olentangy watershed.* American Society of Agricultural Engineers (ASAE) Annual Conference, St. Paul, Minnesota. (Abstract published in “Self-Sustaining Solutions for Streams, Wetlands, and Watersheds” – ASAE Publisher, St. Joseph, Michigan. Edited by J.L. D’Ambrosio. Pp. 401.) (2004) – J. Witter

34. *Large-scale geomorphic regulation of large wood jams and associated fish communities in a northern hardwood-conifer old-growth ecosystem. International Conference on Ecological Restoration, Victoria British Columbia (2004) – A. Morris*
33. *Geomorphologically mediated associations between salmonids and large wood jams in a river of an old-growth northern hardwood-conifer watershed. Ohio Agricultural Research and Development Center (OARDC) Annual Conference (2004) – A. Morris*
32. Are road crossings barriers to fish dispersal? Revisiting the question for lowland streams on Ft. Polk, Louisiana. Meeting of the American Fisheries Society, Louisiana Chapter, Baton Rouge (2004)
31. Impacts of sedimentation on fishes and macroinvertebrates in a Coastal Plains stream system. Annual Meeting of the American Society of Ichthyologists and Herpetologists, Norman, Oklahoma (2004)
30. Impacts of sedimentation on lotic communities in a Western Louisiana stream system. Annual Meeting of the American Fisheries Society, Madison, Wisconsin (2004)
29. Interactive effects of environmental variability and military training on stream biota of three headwater drainages in Western Louisiana. Annual Meeting of the American Fisheries Society, Madison, Wisconsin (2004)
28. *Landscape-mediated associations between salmonids and large wood jams in a river of an old growth northern hardwood-conifer watershed. 3<sup>rd</sup> Annual Western Great Lakes Research Conference, Minneapolis, MN (2004) – A. Morris*
27. *Evaluating the link between biology and geomorphology in forested headwater streams in Ohio. ASAE International Meeting, Las Vegas, Nevada (Paper 032345) (2003) – D. Farver*
26. *Evaluating the link between biology and geomorphology in forested headwater streams in Ohio. The STREAMS Channel Protection and Restoration Conference, Columbus, Ohio (2003) – D. Farver*
25. Abiotic factors and small-stream fish movement in the southeastern United States. Fifth Bennett Symposium – Headwaters to the Sea: Evolution and conservation of fish assemblages in large rivers. University of Southern Mississippi, Hattiesburg (2003)
24. Impacts of sedimentation on lotic communities at Fort Polk, Louisiana. Symposium “Fisheries and Aquatic Management on Department of Defense Lands: The ‘Unknown’ Federal Player,” Annual Meeting of the American Fisheries Society, Baltimore, Maryland (2002)
23. Are road crossings barriers to fish dispersal? Revisiting the question for lowland streams, Fort Polk, Louisiana. Symposium “Fisheries and Aquatic Management on Department of Defense Lands: The ‘Unknown’ Federal Player,” Annual Meeting of the American Fisheries Society, Baltimore, Maryland (2002)
22. Fish assemblage structure and stability under variable environmental conditions in the Ouachita Mountains. Annual Meeting of the American Society of Ichthyologists and Herpetologists, State College, Pennsylvania (2001)
21. Fish assemblage structure and stability under variable environmental conditions in the Ouachita Mountains. Annual Meeting of the Southwestern Association of Naturalists, Hays, Kansas (2001)
20. The influence of stream fishes on assemblage dynamics of macroinvertebrates in an intermittent stream system. Annual Meeting of the Southwestern Association of

- Naturalists, Denton, Texas (2000)
19. Environmental variability, historical contingency, and the structure of regional fish and macroinvertebrate assemblages in Ouachita Mountain stream systems. Ecosystem Management Research Symposium, Southern Research Station, USDA Forest Service, Hot Springs, Arkansas (1999)
  18. Environmental variability, historical contingency, and the structure of regional fish and macroinvertebrate assemblages in Ouachita Mountain stream systems. Annual Meeting of the American Society of Ichthyologists and Herpetologists, State College, Pennsylvania (1999)
  17. Environmental variability, historical contingency, and the structure of regional fish and macroinvertebrate assemblages in Ouachita Mountain stream systems. Annual Meeting of the Southwestern Association of Naturalists, Monterrey, Mexico (1999)
  16. Environmental variability, historical contingency, and the structure of regional fish and macroinvertebrate assemblages in timber managed, Ouachita Mountain stream systems. Annual Meeting of the Mississippi Chapter of the American Fisheries Society, Starkville, Mississippi (1999)
  15. Conservation of the leopard darter in Oklahoma and Arkansas: a population viability analysis and genetics approach. Annual Meeting of the Mississippi and Louisiana Chapters of the American Fisheries Society, Bay St. Louis, Mississippi (1998)
  14. Partitioning the variability in streams: effects of timber management, temporal variability, and historical factors. Annual Meeting of the Southwestern Association of Naturalists, Albuquerque, New Mexico (1998)
  13. The impact of riparian disturbance on plethodontid salamanders at Horsethief Spring, LeFlore County, Oklahoma. Fourth Highlands Conference on the Biology of Plethodontid Salamanders, North Carolina (1998)
  12. An update on the effects of riparian disturbance on plethodontid salamanders at Horsethief Spring, LeFlore Co., Oklahoma. Annual Meeting of the Oklahoma Academy of Science, Talequah, Oklahoma (1998)
  11. Population viability of the threatened leopard darter. Annual Meeting of the Southwestern Association of Naturalists, Fayetteville, Arkansas (1997)
  10. Inter-annual variation in leopard darter abundances. Annual Meeting of the Southwestern Association of Naturalists, Fayetteville, Arkansas (1997)
  9. The effects of riparian disturbance on habitat suitability for plethodontid salamanders at Horsethief Spring, LeFlore Co., OK. Annual Meeting of the Oklahoma Academy of Sciences, Alva, Oklahoma (1997)
  8. The relationship between fish assemblages and environmental gradients in Lagoon Creek, Oklahoma. Dept. of Zoology Seminar, Oklahoma State University, Stillwater, OK (1996)
  7. Abundance of leopard darter (*Percina pantherina*) in Robinson Fork River: A GIS approach. Annual Meeting of American Society of Ichthyologists and Herpetologists, New Orleans, Louisiana (1996)
  6. Abundance of leopard darters in Robinson Fork River, Arkansas. Annual Meeting of the Oklahoma Academy of Sciences, Oklahoma City, Oklahoma (1996)
  5. Four streams in the Central Oklahoma/Texas Plains Ecoregion: Are they similar? Mid-year Meeting, Southern Division American Fisheries Society, Mobile, Alabama (1996)
  4. Factors affecting levels of aggression in a captive group of diana monkeys. Annual

- Meeting of the American Society of Primatologists/International Primatological Society, Madison, Wisconsin (1996)
3. The effects of riparian disturbance on habitat suitability for plethodontid salamanders at Horsethief Springs, LeFlore Co., OK. Annual Meeting of the Oklahoma Academy of Sciences, Oklahoma City, Oklahoma (1996)
  2. Does ecoregion mean everything is the same? A study of four streams in the Central Oklahoma/Texas Plains Ecoregion. Dept. of Zoology Seminar, Oklahoma State University, Stillwater, Oklahoma (1995)
  1. A comparison of fish and habitat in four streams of the Central Oklahoma/Texas Plains Ecoregion. Annual Meeting of the Oklahoma Chapter American Fisheries Society, Stillwater, Oklahoma (1995)

### **PROFESSIONAL SOCIETIES**

Southeastern Fishes Council  
 American Fisheries Society  
 Southwestern Association of Naturalists

### **REFERENCES**

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