

MARSHA G. WILLIAMS  
Research Associate III and Adjunct Faculty, Department of Biology  
University of Texas at Tyler, Tyler, TX 75799  
Telephone (903) 566-6194; Email – mwilliams@uttyler.edu

Professional Preparation:

University of Oklahoma	Zoology	B.Sc., 1994
Oklahoma State University	Zoology	M.S., 1997
The Ohio State University	Agricultural Engineering	Grad. coursework, 2005-2007

Appointments:

*Adjunct Faculty* (Summer 2013-present), Department of Biology, University of Texas at Tyler, Tyler, TX.

*Research Associate III* (2007-present), Dept. of Biology, University of Texas at Tyler, Tyler, TX  
*Research Associate I & II* (2002-2007) School of Environment and Natural Resources, The Ohio State University, Columbus, OH.

*Instructor of Biology* (2000-2002), Louisiana College, Pineville, LA.

*Program Assistant* (1999-2000), Mississippi Cooperative Extension Agency, Mississippi State University, Starkville, MS.

*Research Assistant* (1997-1999) Gap Analysis Program and Animal Physiology Laboratory, Mississippi State University, Mississippi, MS.

Teaching Experience and Evaluations:

*General Biology I* (BIOL 1306, University of Texas at Tyler)—Instructor Rating 2.95/5.0

*General Biology II* (BIOL 1307, University of Texas at Tyler)—Instructor Rating 4.17/5.0

*Aquatic Biology Lecture* (BIOL 4305, University of Texas at Tyler)—Instructor Rating 4.73/5.0

*Aquatic Biology Lab* (BIOL 4105, University of Texas at Tyler)

*Ecology Lecture* (BIOL 3336, University of Texas at Tyler)—Instructor Rating 4.59/5.0

*Ecology Lab* (BIOL 3137, University of Texas at Tyler)

*Herpetology Lecture* (BIOL 4330, University of Texas at Tyler)—Instructor Rating 4.31/5.0

*Herpetology Lab* (BIOL 4131, University of Texas at Tyler)

*Landscape Ecology Lab* (BIOL 5133, University of Texas at Tyler)

*Reservoir Fish Ecology* (ZOO 4970, Univ of Okla Biological Station)

*Experimental Design in Ecology* (ENR 694, Stone Laboratory Field Station, The Ohio State University and ZOO 4970/6970, University of Oklahoma Bio. Station)

*Field Biology* (BI 202, Louisiana College)

*Intro to Biology (non-majors)*; BIO 101/102, Louisiana College)

Peer Reviewed Publications:

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*  
<https://doi.org/10.1111/fwb.13394>

- 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.
- 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(1):42-56.
- 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*, in East Texas. *Freshwater Mollusk Biology and Conservation* 20:65-70.
- 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.
- 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.
- 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.
- Williams, M.G.* 2014. Blue Sucker *Cycleptus elongates*. Pp. 254-255 in M. Eberle et al. *Fishes of Kansas*, 3<sup>rd</sup> edition. University Press of Kansas.
- 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.
- 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*.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

*Technical Reports:*

- 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.
- 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.
- McCarley, J., J.A. Banta, J.S. Placyk, M.G. Williams, & L.R. Williams. 2019. Final Report: The status of the Kisatchie Painted Crayfish (*Faxonius maletae*) in Louisiana. U.S. Army, Ft. Polk, Directorate of Public Works, Environment and Natural Resources Management Division, Conservation Branch.
- 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.
- 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.
- 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.
- Williams, L.R., N. Ford, M.G. Williams, and S. Rumbelow. 2017. East Texas threatened mussels. Final Report – Texas Comptroller.
- 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.
- Placyk Jr., J. S., J.A. Banta, R. Seigel, M.G. Williams, M. Barazowski, S. Hein, ... N. Ford, 2016. Integrated conservation biology of the Desert (*Sistrurus catenatus edwardsii*) and Western Massasauga (*S. c. tergeminus*) at the species and population level: combining ecological niche modeling with genetic and radio-tracking data. Final Report - Texas Comptroller of Public Accounts, Endangered Species Research Program.
- 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.
- Ford, N., L.R. Williams, M.G. Williams, J.A. Banta, J. S. Placyk Jr., & H.A. Hawley. 2016. Endangered Species Research Projects for Freshwater Mussels, Region 2, East Texas. Final Report - Texas Comptroller of Public Accounts, Endangered Species Research Program.
- 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 Grant.
- Williams, L.R., and M.G. Williams. 2015. Stream biomonitoring on Ft. Polk and Peason Ridge 2015 survey results. Final Report – U.S. Army.
- 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.
- 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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>)
- 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.
- 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.
- 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.
- 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.

Funding Sources (past 10 years):

- 2019-2020 *Texas Comptroller*. The distribution and abundance of Louisiana Pigtoe. \$67,214.
- 2019 *Texas Comptroller*. The distribution and abundance of Texas Heelsplitter. \$110,999.
- 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 Hoeninghaus at University of North Texas; UT Tyler portion \$30,000)
- 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)
- 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)
- 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
- 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
- 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

#### Honors and Awards:

2020 *Nominee* – President, Texas Chapter of the American Fisheries Society.

Professional Service:

*Reviewer*

- Draft Lessons in Science and Social Studies, Ohio Department of Education (2004)
- Extension Fact Sheets, Ohio State University Extension (2 in 2004, 3 in 2005)
- Transactions of the American Fisheries Society (2004)
- NRCS Stream Design Guide NEH 654 – 2 chapters (2005)
- Heartland Science: Ohio's Legacy of Discovery & Innovation, website (2005)
- Northeastern Naturalist (2006)
- Southeastern Naturalist (2007, 2014, 2017)
- North American Journal of Fisheries Management (2011)
- Copeia (2013)
- Southwestern Naturalist (2013, 2015, 2016, 2017)

*Technical Editor*

- Southwestern Naturalist (2017-present)

*Graduate Student Advising*

I have provided assistance to numerous graduate students both at UT Tyler and at The Ohio State University with various aspects of their research including 1) obtaining grant funding, 2) GIS and modeling support, 3) providing freshwater ecology and geomorphology expertise and 4) manuscript preparation.

- Archis Grubh (OSU)
- Marie Schrecengost (OSU)
- Sarah Beck (OSU)
- Beth Risely (OSU)
- Rebecca Gorney (OSU)
- Matthew Troia (UTT)
- Daniel Goodding (UTT)
- Ashley Dunithan (UTT)
- Chris Samuelson (UTT)
- Nathaniel Marshall (UTT)
- David Bakken (UTT)
- Kirian Heffentrager (UTT)
- Kurt Felix (UTT)
- David Ford (UTT)
- Kayla Key (UTT)
- Melody Sain (UTT)
- Erin Bertram (UTT)
- Dan Symmonds (UTT)
- Steve Hein (UTT)
- Justin Hernandez (UTT) – Official Member of Committee
- Larimy Brown (UTT)
- Cassie Vaughan (UTT) – Official Member of Committee
- Janey Dudley (UTT) – Official Member of Committee

- Sara Rumbelow (UTT) – Official Member of Committee
- Jade McCarley (UTT) – Official Member of Committee
- Samantha Rowe (UTT) – Official Member of Committee
- Danielle Joerger (UTT) – Official Member of Committee

*Database Manager*, National Catfish Information Database, 1999-2000.

*Assistant Coordinator*, Mississippi 4H Youth Sportfishing Program, 1999-2000.

*Coordinator*, 1997 Meeting of Mississippi Herpetologists, Jackson, MS.

#### *Committee Work*

- 1997 Meeting of the Southwestern Association of Naturalists, Fayetteville, AR.
- 2011 American Fisheries Society Awards Committee
- 2010-2011 Texas Chapter of the American Fisheries Society Continuing Education Committee
- 2011 Local Host Committee for the Southwestern Naturalist Annual Meeting in Tyler, TX
- 2012 Judge for Student Paper Competition, Texas Chapter of the American Fisheries Society meeting, Galveston, Texas
- 2014-2016 Darwin Day Events, UT Tyler Department of Biology.
- 2016 Earth Day Workshop, Center for Environment and Biodiversity, UT Tyler.
- 2016 Judge for Student Paper Competition, Southeastern Fishes Council, Jackson, MS.
- 2018 – present. Department Planning Committee, UT Tyler Biology Department, Tyler, TX.
- 2020 Judge for Student and Professional Presentations, Texas Chapter of the American Fisheries Society, Waco, TX.

#### Extension and Outreach Activities:

*Get Real About Science Program workshops*, College of Food, Agricultural, and Environmental Sciences. The Ohio State University, Columbus, Ohio (11/2004, 4/2005, & 11/2006):  
“Stream fish and macroinvertebrates as environmental indicators.”

*Organizer of Stream Ecology activities for Amish Family Farm Day* – Holmes County, Ohio – conducted as part of USDA CSREES grant.

*Organizer of Stream Ecology activities for Farm Science Review* – The Ohio State University, 2006. Conducted as part of USDA CSREES grant.

*Organizer/facilitator for technical workshops* – “*Geomorphology and Ecology of Stream Systems*” with Drs. Andy Ward, Lance Williams, and Edwin Herricks in Columbus, OH (June 7-10, 2005) and with Drs. Andy Ward, Lance Williams, and J. David Allan in Monroe, MI (August 16-19, 2005).

*Guest Instructor, NR 690 “Environmental Systems Science”* for high school teachers (July 20, 2005) with L. R. Williams.

*Coordinator for Water Quality Event --20<sup>th</sup> Annual Ohio Science Olympiad Tournament.* The Ohio State University, Columbus, OH (April 2005).  
*Instructor for technical workshop – “Introduction to habitat analysis for mussels including geomorphology”* with L.R. Williams. 30 participants (March 17, 2012).  
*Organizer/facilitator/instructor for technical workshops and guest speaker – Earth Day UT Tyler, GIS Workshop,* (April 22, 2017).  
*Presentation on “Careers in aquatic and marine biology” –Winona Independent School District* (2018)  
*Zoo Biology Lecture/Tour – Caldwell Zoo; UT Tyler Honors Program* (2019)

#### Invited Presentations:

*Williams, M.G.* 1998. Reptiles and amphibians of Mississippi. Meeting of the Oktibbeha County Audubon Society, Starkville, MS.  
*Williams, M.G., F.J. Vilella, and R.B. Minnis.* 1998. Mississippi Herpetological Atlas. Meeting of the Meridian Audubon Society, Meridian, MS.  
*Williams, M.G., R.B. Minnis, and F.J. Vilella.* 1998. Mississippi Herp Atlas. Business Meeting of the Mississippi Department of Wildlife, Fisheries, and Parks Biologists, Jackson, MS.  
*Williams, M.G.* 1998. Reptiles and amphibians in Mississippi: regulations and conservation. Training Session for Mississippi Department of Wildlife, Fisheries, and Parks Conservation Officers. Extension Services, Department of Wildlife and Fisheries, Mississippi State University, Mississippi State, MS.  
*Williams, M.G. and D. R. Hartley.* 1996. Captive Management: Studbooks, ISIS, and SSPs. Oklahoma State University Chapter of the Wildlife Society, Stillwater, OK.

#### Other Presentations:

*Joerger, D., M.G. Williams, and L.R. Williams.* 2020. 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  
*Rowe, S., M.G. Williams, and L.R. Williams.* 2020. Water quality assessment of the Upper Neches River watershed. Texas Chapter American Fisheries Society Conference, Waco, TX.  
*Griffin, E., M.G. Williams, L.R. Williams, & J.A. Banta.* 2019. Using Climate Envelope Modeling to Assess the Habitat of the Kisatchie Painted Crayfish, *Faxonius maletae*. University of Texas System Louis Stokes Alliance for Minority Participation Student Research Conference and General Meeting, El Paso, TX.  
*Griffin, E., M.G. Williams, L.R. Williams, and J.A. Banta.* 2019. Using Climate Envelope Modeling to Assess the Habitat of the Kisatchie Painted Crayfish, *Faxonius malatae*. National Collegiate Honors Council Research Conference, New Orleans, LA. (1<sup>st</sup> place winner in category).  
*Laszlo, A. M., A. Broadbent, J.S. Placyk, Jr., L.R. Williams, M.G. Williams, K.L. Hertweck, & J.A. Banta.* 2019. Using an integrative approach to settle whether two endemic East Texas mussels are different or synonymous. Evolution Meetings. Providence, RI: Society for the Study of Evolution, American Society of Naturalists, and Society of Systematic Biologists.



- Ashraf, K., A. Walters, D. Ford, *M.G. Williams*, N. Ford, L.R. Williams, & J.A. Banta. 2019. Predicting East Texas freshwater mussel distributions using current and future climate data. East Texas Research Conference, Tyler, TX.
- McCarley, J., J.A. Banta, J. Placyk, *M.G. Williams*, and L.R. Williams. 2019. The status of the Kisatchie painted crayfish (*Faxonius maletae*) in Louisiana. Southern Division of the American Fisheries Society Conference, Galveston, TX.
- Laszlo, A., L.R. Williams, *M.G. Williams*, K. Hertwick, J. Playck, and J. Banta. 2019. Verifying genomically-informed ecological niche models. Southern Division of the American Fisheries Society Conference, Galveston, TX.
- Rowe, S., *M.G. Williams*, and L.R. Williams. 2019. Water quality assessment of the Upper Neches River Watershed. Southern Division of the American Fisheries Society Conference, Galveston, TX.
- Quintanilla, R.A., *M.G. Williams*, and L.R. Williams. 2019. Stream biomonitoring and aquatic fauna surveys on Fort Wolters training center. Southern Division of the American Fisheries Society Conference, Galveston, TX.
- Currans, M., *M.G. Williams*, L.R. Williams. 2019. Biomonitoring of aquatic fauna on Camp Swift training center. Southern Division of the American Fisheries Society Conference, Galveston, TX.
- Fowler, C., *M.G. Williams*, and L.R. Williams. 2019. Biomonitoring of aquatic fauna at Fort Polk training center. Southern Division of the American Fisheries Society Conference, Galveston, TX.
- Ashraf, K., A. Walters, D. Ford, *M.G. Williams*, N. Ford, L.R. Williams, & J.A. Banta. 2019. Predicting East Texas Freshwater Mussel Distributions Using Current and Future Climate Data. Lyceum Student Research Showcase. University of Texas at Tyler, Tyler, TX.
- Griffin, E., *M.G. Williams*, L.R. Williams, & J.A. Banta. 2019. Assessing the population decline of *Orconectes maletae* in TX and LA. Lyceum Student Research Showcase. University of Texas at Tyler, Tyler, TX.
- Ashraf, K., A. Walters, D. Ford, *M.G. Williams*, N. Ford, L.R. Williams, & J.A. Banta. 2019. Predicting East Texas Freshwater Mussel Distributions Using Current and Future Climate Data. Texas Academy of Science Annual Meeting. Brownwood, TX.
- McCarley, J., J. Banta, K. Hertwick, J. Playck, *M.G. Williams*, and L.R. Williams. 2018. The Kisatchie painted crayfish (*Orconectes maletae*) status in Louisiana. Southwestern Association of Naturalists Conference, San Marcos TX (3rd place winner of the Hubbs Poster Competition).
- Lunceford, K., *M.G. Williams*, and L.R. Williams. 2018. Stream biomonitoring at Camp Swift, Bastrop Co., Texas. Southwestern Association of Naturalists Conference, San Marcos TX. Poster.
- Laszlo, A., L.R. Williams, *M.G. Williams*, K. Hertwick, J. Playck, and J. Banta. 2018. Verifying genomically-informed ecological niche models. Southwestern Association of Naturalists Conference, San Marcos TX. Poster.
- Broadbent, A., K. Lunceford, *M.G. Williams*, and L.R. Williams. 2018. Stream biomonitoring of Fort Polk, Louisiana, USA. Southwestern Association of Naturalists Conference, San Marcos TX. Poster.
- Broadbent, A., J.N. Dudley, C.M. Vaughan, *M.G. Williams*, and L.R. Williams. 2018. Stream biomonitoring of Fort Polk, Louisiana, USA. Louis Stokes Alliance for Minority Participation (LSAMP) Conference, El Paso, TX.

- Rumbelow, S., *M.G. Williams*, N. Ford, and L.R. Williams. 2018. Physiological responses of the state-threatened Texas pigtoe to environmental stressors. Southwestern Association of Naturalists Conference, San Marcos TX. Talk.
- Rumbelow, S., *M.G. Williams*, N. Ford, and L.R. Williams. 2018. Physiological responses of the state threatened Texas pigtoe to environmental stress. Texas American Fisheries Society, College Station, TX. Talk.
- Lunceford, K., *M.G. Williams*, and L.R. Williams. 2018. Stream biomonitoring at Camp Swift, Bastrop Co, Texas. Texas American Fisheries Society, College Station, TX. Poster.
- McCarley, J., J. Banta, K. Hertwick, J. Playck, *M.G. Williams*, and L.R. Williams. 2018. The Kisatchie painted crayfish (*Orconectes maleate*) status in Louisiana. Texas American Fisheries Society, College Station, TX. Poster.
- McCarley, J., J. Banta, K. Hertwick, J. Playck, *M.G. Williams*, and L.R. Williams. 2018. The Kisatchie painted crayfish (*Orconectes maleate*) status in Louisiana. Texas Academy of Science, Midland, TX. Poster.
- Blanton, Alyssa, Katherine Barthel, Julia Norrell-Tober, *Marsha G. Williams*, John S. Placyk Jr., and Joshua A. Banta. 2017. High Genetic Diversity Within Texas Golden Gladecress (*Leavenworthia texana*), a Federally Endangered Flower. LSAMP Poster Presentation, UT Tyler. Poster.
- Dudley, J.N., *M.G. Williams*, and L.R. Williams. 2017. Temporal dynamics of fish and macroinvertebrate assemblages in Western Louisiana. Southwestern Association of Naturalists Conference, Lawton, OK. Talk.
- Ford, D.B., A.R. Glen, J. Dickson, L. Williams, *M. Williams*, J. Placyk, H. Hawley, and J. Banta. 2017. Distribution and ecology of six state threatened mussel species of east TX. Southwestern Association of Naturalists Conference, Lawton, OK. Talk.
- Vaughan, C. M., N.B. Ford, *M.G. Williams*, and L.R. Ford. 2017. The role of tributaries in structuring mussel communities. Southwestern Association of Naturalists Conference, Lawton, OK. Talk.
- Ford, Neil B., Lance Williams, *Marsha Williams*, Josh Banta, John Placyk, and Harmonie Hawley. 2016. State-listed Mussels of East Texas--Summary of work. *Texas Comptroller Meeting*, Austin, TX. Talk.
- Broadbent, A., *M.G. Williams*, and L.R. Williams. 2016. Stream biomonitoring of Fort Polk, Louisiana. Louis Stokes Alliances for Minority Participation Conference, El Paso, TX. Poster.
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