

MARK S. MILLS, PhD

CURRICULUM VITAE
Updated 11 December 2019

PERSONAL INFORMATION

NAME: **Mark Steven Mills, Ph.D.**
ADDRESS: Department of Biology
Missouri Western State University
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CURRENT POSITION (August 2008 to Present)

Rank: Professor of Biology
Dept.: Department of Biology, Missouri Western State University

EDUCATION

Ph.D. Ecology (2002) - University of Georgia, Athens, GA
Dissertation Title: "Ecology and Life History of the Brown Water Snake (*Nerodia taxispilota*)"
Advisor: Dr. J. Whitfield Gibbons

M.A. Biology (1991) - University of Nebraska at Omaha
Thesis Title: "Population Ecology of the Turtle *Chrysemys picta bellii* in Eastern Nebraska"
Advisor: Dr. James D. Fawcett

B.S. Biology (1986) - University of Nebraska at Omaha

ACADEMIC POSITIONS and OTHER RELEVANT EXPERIENCE

Professor of Biology, Missouri Western State University, St. Joseph, MO (Aug. 2019 to present)

Associate Professor of Biology, Missouri Western State University, St. Joseph, MO (Aug. 2014 to May 2019)

Assistant Professor of Biology, Missouri Western State University, St. Joseph, MO (Aug. 2008 to May 2014)

Associate Professor of Biology, Missouri Valley College, Marshall, MO (May 2003 to May 2008)

Adjunct Instructor, Graduate School, Lindenwood University, St. Charles, MO (August 2003)

Assistant Professor of Biology, Missouri Valley College, Marshall, MO (August 1998 to May 2003)

University of South Carolina - Aiken:

Lecturer (Adjunct Faculty), Biology for non-majors, Spring 1998

Lecturer (Adjunct Faculty), Comparative Vertebrate Anatomy, Spring 1997

Lab Instructor (Adjunct Faculty), Biology, Summer & Fall 1996

TEACHING EXPERIENCE (* denotes courses taught at MWSU)

Undergraduate courses:

Principles of Organismal Biology*

Biology (Majors & Non-majors Courses)*

Human Anatomy and Physiology (Laboratory*)

Vertebrate Zoology/Biology (Comparative Vertebrate Anatomy)*

Ecology*

Environmental Science (Human Ecology)*

Evolution Seminar

Herpetology*

Ichthyology

Mammalogy

History of Science

Wildlife Ecology & Management

Salamander Ecology (Seminar)

Honors Colloquium: Global Amphibian Decline*

Field Biology (specific topic changes yearly):

-Field Herpetology: Herpetological Studies at SREL and Kiawah Island, SC

-Desert Ecology: Natural History of Big Bend National Park

-Field Herpetology: Natural History of the Amphibians & Reptiles of the Southeast

Field Natural History – Belize*

Graduate courses:

Vertebrate Biology*

Using Outdoor Classrooms to Teach Science (Lindenwood University)

OTHER RELEVANT EXPERIENCE:

1997 (Sept.) to 1998 - Environmental Education Specialist, Savannah River Ecology Lab (SREL) Outreach and Education Program

1992 to 1998 - Curator of Reptiles and Amphibians, SREL Museum

University of Georgia

Teaching Assistant, Fall 1990 – Spring 1992:

Courses: Ichthyology, Vertebrate Zoology, Human Anatomy, Medical Anatomy

University of Nebraska at Omaha

Teaching Assistant, Fall 1987 – Spring 1990:

Courses: Biology, General Zoology, Ichthyology, Fauna of the Great Plains, Invertebrate Zoology, Scanning Electron Microscopy

US Army Corps of Engineers - 1988-1990

1990 - Environmental Resource Specialist

1989 - Biological Technician

1988 - Biological Aid

Major Projects:

-Bank Stabilization Inventory - Platte River

-Vegetative Survey/Habitat Restoration for Least Terns & Piping Plovers - Missouri River

-Data Collection and Analysis for IFIM Study - Missouri River

-Radiotelemetry Study on Sturgeon - Missouri & Platte Rivers

US Fish and Wildlife Service (Volunteer Work)

1987 - Fish survey at Desoto Bend National Wildlife Refuge (Iowa)

1986 - Limnological Study of Desoto Lake after renovation (Iowa)

Numerous workshops, talks, and demonstrations for the general public (see COMMUNITY SERVICE AND OUTREACH section below)

RESEARCH INTERESTS AND EXPERIENCE

I have a broad range of interests in vertebrate ecology and natural history, particularly in herpetology, and am currently involved in multiple research projects involving undergraduate and sometimes high school students on the MWSU campus. In addition to the projects listed below, I also have research experience with cottonmouths, bats, fish, freshwater ecology and limnology.

Current Research:

- Inventory of the Ecological Integrity of Glade Communities
- Population Ecology and Metapopulation Dynamics of Turtles on Missouri Western State University's Campus
- Amphibian Use of Man-Made Vernal Pools in the Mark Twain National Forest
- Survey of the Amphibians and Reptiles of the Loess Hills at Squaw Creek National Wildlife Refuge
- Spatial Ecology of the Blanding's Turtle at Squaw Creek National Wildlife Refuge
- Surveys of Massasauga Rattlesnakes at Squaw Creek National Wildlife Refuge
- Effects of Parking Lot Run-Off and Herbicide on the Development and Survivorship of Chorus Frog Tadpoles (*Pseudacris triseriata*)

Selected Past Research:

- Survey of the Fishes of Otoe Creek
- Reproductive ecology of the small-mouthed salamander (*Ambystoma texanum*)
- Population ecology and movement patterns of turtles in Missouri River floodplain wetlands
- Ecology and life history of the brown water snake, *Nerodia taxispilota*
- Population ecology of the painted turtle, *Chrysemys picta bellii*
- Multiple paternity in the brown water snake, *Nerodia taxispilota* (with Dr. John Mullican, Washburn University, Topeka, KS)
- Thermal biology, energetics, and spatial ecology of the eastern diamondback rattlesnake (with Dr. Michael Dorcas, Davidson College, NC, Steve Bennett and Wade Kalinowsky, South Carolina Dept. of Natural Resources)
- Mercury levels in a semi-aquatic snake, *Nerodia taxispilota* (with Dr. Charles Jagoe, Savannah River Ecology Lab, SC)
- Population and spatial ecology of shovelnose and pallid sturgeon (with Mark Harberg and Doug Latka, US Army Corps of Engineers, Omaha, NE)

- Management of nesting habitat for least terns and piping plovers (with Mark Harberg and Doug Latka, US Army Corps of Engineers, Omaha, NE)

Grants, Contracts, and Sponsored Research 2008-2016

Funded

- Quedensley, T. S. (Co-Principal), Mills, M. S. (Co-Principal), and Jedlicka, J. (Co-Principal).
 “Inventory of the Ecological Integrity of Glade Communities.” Cooperative Agreement #374,
 Sponsored by Missouri Department of Conservation. \$50,000 per year, renewable for up to 5 years
 dependent on availability of funds. (July 2016-June 2017)
- Mills, M. S. (Principal), "Amphibian Use of Man-Made Vernal Pools in the Mark Twain National
 Forest," Sponsored by USDA Forest Service, Missouri Western State University, \$17,926.25.
 (January 1, 2012 - June 30, 2016).
- Mills, M. S. (Principal), "Survey of the Amphibians and Reptiles of Squaw Creek National Wildlife
 Refuge with Emphasis on the Status and Habitat Use of the State-Endangered Blanding’s Turtle.”
 PORTAL grant, Missouri Western State University, (Summer 2016).
- Mills, M. S. (Principal), "Population Ecology and Metapopulation Dynamics of Turtles on Missouri
 Western State University’s Campus,” PORTAL grant, Missouri Western State University, (Summer
 2015).
- Mills, M. S. (Principal), “Survey of the Amphibians and Reptiles of Squaw Creek National Wildlife
 Refuge with Emphasis on the Status and Habitat Use of the State-Endangered Blanding’s Turtle,”
 PORTAL grant, Missouri Western State University, (Summer 2014).
- Mills, M. S. (Principal), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri
 Western State University’s Campus,” PORTAL grant, Missouri Western State University, (Summer
 2013).
- Mills, M. S. (Principal), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri
 Western State University’s Campus,” PORTAL grant, Missouri Western State University, (Summer
 2012).
- Mills, M. S. (Principal), “Survey of the Amphibians and Reptiles of the Loess Hills at Squaw Creek
 NWR,” PORTAL grant, Missouri Western State University, (Summer 2011).
- Mills, M. S. (Principal), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri
 Western State University’s Campus,” Summer Research Institute grant, Missouri Western State
 University, \$4100 (Summer 2010).
- Mills, M. S. (Principal), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri
 Western State University’s Campus,” Summer Research Institute grant, Missouri Western State
 University, \$5500 (Summer 2009).

Not Funded

- Wang, T. (Principal), Ducey, M. (Co-Principal), Becker, D. (Co-Principal), Yang, G. (Co-Principal),
 Mills, M. (Co-Principal), Hiley, S., Anderson, K., Zhu, J., "Missouri Regional Efforts for Science,
 Technology, Engineering and Mathematics (MORE-STEM)," NSF, \$2,499,974.00.
- Poet, J. (Principal), Hiley, S. (Co-Principal), Mills, M. (Co-Principal), Yan, B. (Co-Principal), Zhu, J.
 (Co-Principal), "Transforming lives: Recruitment, Retention, Experience, Quality," Sponsored by
 National Science Foundation, Federal, \$622,345.00. (November 2013 - August 2014).

PUBLICATIONS

Peer-Reviewed Articles:

- Richardson, C., T. Messa, and M. S. Mills. 2017. Testing the Effectiveness of Bait Types on Trapping Freshwater Turtles in Missouri. *Herpetological Review* 48(2): 331-333.
- Meyer, J. J., D. M. Welchert, and M. S. Mills. 2017. *Emydoidea blandingii* (Blanding's Turtle) Cold tolerance. *Herpetological Review* 48(2): 423-424.
- Welchert, D. M., and M. S. Mills. 2014. *Sistrurus catenatus tergeminus* (Western Massasauga) Reproduction. *Herpetological Review* 45(1): 147-148.
- Lee, J. R., and M. S. Mills. 2000. Design and construction of an outdoor enclosure for the study of snake thermal ecology. *Herpetological Review* 31(1): 24-26.
- Mills, M. S., S. M. Poppy, A. M. Mills, T. J. Ryan, and M. E. Dorcas. 2000. *Seminatrix pygaea* (Black swamp snake). Diet. *Herpetological Review* 31(1): 47.
- Gibbons, J. W., V. J. Burke, J. E. Lovich, R. D. Semlitsch, T. D. Tuberville, J. R. Bodie, J. L. Greene, P. H. Niewiarowski, H. H. Whiteman, D. E. Scott, J. H. K. Pechmann, C. R. Harrison, S. H. Bennett, J. D. Krenz, **M. S. Mills**, K. A. Buhlmann, J. R. Lee, R. A. Seigel, A. D. Tucker, T. M. Mills, T. Lamb, M. E. Dorcas, J. D. Congdon, M. H. Smith, D. H. Nelson, M. B. Dietsch, H. G. Hanlin, J. A. Ott, and D. J. Karapatakis. 1997. Perceptions of species abundance, distribution, and diversity: lessons from four decades of sampling on a government-managed reserve. *Environmental Management* 21(2):259-268.
- Mills, M. S., C. J. Hudson, and H. J. Berna. 1995. Spatial ecology and movements of the Brown Water Snake (*Nerodia taxispilota*). *Herpetologica* 51(4):412-423
- Mills, M. S., and C. J. Hudson. 1995. *Nerodia taxispilota* (Brown Water Snake). Diet. *Herpetological Review* 26(3):149
- Mills, M. S., and S. Rebecca Yeomans. 1993. *Heterodon platirhinos* (Eastern Hognose Snake). Diet. *Herpetological Review* 24(2):62.

Articles (Popular):

- Jedlicka, J., and M.S. Mills. 2018. Birding and Herping the Ozark Glades. *Missouri Natural Areas Newsletter*, 18(1): 21-24.
- Mills, M. S., D. Welchert, and J. Meyer. 2016. The Hills are Alive with Herps: Amphibian and Reptile Diversity in the Loess Hills of Squaw Creek National Wildlife Refuge. *Missouri Prairie Journal*, 37(1): 20-23.

Books or Book Chapters:

- Rushin, J., Ashley, D., Baker, J., Chevalier, C., Daggett, M., Eckdahl, T., Hartman, K., Koy, K., Mills, M., Sample, V. R., Walton, K. (2011). In John W. Rushin (Ed.), *Biology 101 Principles of Biology Laboratory Manual: A Learning Cycle Approach* (2nd ed.). Plymouth, MI: Hayden McNeil. www.hmpublishing.com
- Rushin, J., Ashley, D., Baker, J., Chevalier, C., Daggett, M., Eckdahl, T., Hartman, K., Koy, K., Mills, M., Sample, V. R., Walton, K. (2010). In John W. Rushin (Ed.), *Biology 101 Principles of Biology Laboratory Manual: A Learning Cycle Approach*. Plymouth, MI: Hayden McNeil. www.hmpublishing.com
- Mills, M. S., and C. Camp. 2008. Brown Water Snake (*Nerodia taxispilota*). In J. Jensen, C. Camp, J. W. Gibbons, and M. Elliott (eds.). *Amphibians and Reptiles of Georgia*. University of Georgia Press, Athens.
- Mills, M. S. 2004. *Nerodia taxispilota*, brown watersnake. Pp. 197-211 In J. W. Gibbons and M. E. Dorcas. North American Watersnakes: A Natural History. University of Oklahoma Press, Norman.
- Gibbons, J. W., P. J. West, M. Dorcas, K. Buhlmann, **M. Mills**, T. Mills, J. Jensen, S. Bennett, Y. Leiden, J. Hill, A. Bridges, and D. Scott. 1998. Snakes of Georgia and South Carolina. Savannah River Ecology Laboratory HerpOutreach Publication #1, University of Georgia. (Note: As a contributing

author I wrote the section titled “Conservation” on p. 5 and contributed to and/or reviewed all the species accounts)

BOOK REVIEWS

"Handbook of Snakes of the United States and Canada, Vols. I and II" - Audubon Naturalist News 20 (8): 28 October 1994

UNPUBLISHED REPORTS

Welchert, D.M., M.S. Mills, J.J. Meyer, and J.M. Berry. 2017. Snake Fungal Disease surveillance of state listed prairie massasauga rattlesnake (*Sistrurus tergeminus tergeminus*) and associate snake species in Northern Missouri. USFWS Wildlife Disease Funding, Summary Report. 18pp.

<https://ecos.fws.gov/ServCat/Reference/Profile/76109>

1990 - "Habitat use and movement patterns of shovelnose sturgeon" US Army Corps of Engineers

1987 - "Population structure and growth of fish in a renovated oxbow lake" US Fish and Wildlife Service

1986 - "Limnological study of Desoto Lake after renovation" US Fish and Wildlife Service

INVITED PLENARY PRESENTATIONS, SEMINARS, LECTURES (Academic/Professional only)

2015 – ACUBE Plenary Presentation, “Dr. Mills, is this a cottonmouth? Tales (or tails) from the field.” (or the importance of field trips to Biology education), Presented at the 53rd Annual Meeting of ACUBE, 23 October 2015, Missouri Western State University, St. Joseph, MO

2012 – Avila University Biology Seminar Series, "Turtle Ecology on the Campus of Missouri Western State University," Avila University Department of Biology, Kansas City, MO.

2012 – Environmental Education EXPO, "It's Turtle Time," Missouri Department of Conservation & Kit Bond Incubator, St. Joseph, MO.

2012 – Environmental Education EXPO, "Using Outdoor Classrooms to Teach Biology and Science: An Introduction," Missouri Department of Conservation & Kit Bond Incubator, St. Joseph, MO.

2012 – Missouri Valley College, Conservation Biology Seminar Series, "The Role of Amphibians and Reptiles in Conservation Biology: Case Studies in Wetland Delineation, Buffer Zones, and Wildlife Disease," Missouri Valley College, Marshall, MO. (February 20, 2012).

2011 – Reis Biological Station Summer Seminar Series, "Turtle Studies on the MWSU Campus," St. Louis University - Reis Biological Station, Steelville, MO.

2010 – Missouri Valley College, Conservation Biology Seminar Series, “Case Studies in Conservation Biology: The Role of Amphibians and Reptiles in Wetland Delineation and Buffer Zones.” Missouri Valley College, Marshall, MO.

2010 – With T. Ausberger. "Snakes of the Loess Hills," US Fish and Wildlife Service, Squaw Creek National Wildlife Refuge.

2008 – Missouri Western State University, Tri-Beta Seminar Series, “Undergraduate Research Opportunities in Herpetology and Vertebrate Ecology.”

2008 – Missouri Valley College, Science & Religion Seminar Series, “Evolution for Everybody: Why Christians Need to Understand Evolutionary Theory”

2005 – Washburn University, Tri-Beta Honor Society Seminar, “Reproductive Ecology of an Urban Population of Small-Mouthed Salamanders (*Ambystoma texanum*)”

2005 – Washburn University, Keynote Address, Pi Gamma Chapter of Beta Beta Beta National Biology Honor Society Induction Ceremony, “The Role and Importance of Undergraduate Research in Biology”

2005 – Nebraska Herpetological Society, University of Nebraska at Omaha, “Recent Herpetological Research at Missouri Valley College”

2004 – Missouri Valley College, Science & Religion Seminar Series, “Gould’s Non-overlapping Magisteria Argument”

2002 – University of Nebraska at Omaha, Biology Seminar Series, “Turtles, Salamanders, and Snakes: Undergraduate Research at Missouri Valley College”

- 2001 – Southwest Missouri State University, Biology Seminar Series, “Ecology of the Brown Water Snake”
 1997 – Francis Marion University, Science Colloquium, "Ecology of the Brown Water Snake (*Nerodia taxispilota*) in the Savannah River"

PRESENTATIONS and POSTERS (professional meetings only; * denotes national/international meetings):

- Mills, M. S., D. Welchert, V. Schneider, L. Cain, and D. Kessler. 2019. Spatial Ecology of the State-Endangered Blanding’s Turtle (*Emydoidea blandingii*) in Northwest Missouri. 2019 Meeting of Midwest PARC, Madrid, IA (Aug. 16-18)
- Thammarat, C., M. Wheeler, and M. S. Mills. 2019. An Eleven-year study of an Urban Turtle Metapopulation. 2019 Meeting of Midwest PARC, Madrid, IA (Aug. 16-18)
- Watson, C., H. Mills, S. Brown, B. Robertson, M. S. Mills, J. Jedlicka, and T. Quedensley. 2019. Monitoring Biodiversity and Health of Missouri Ozark Glades. 2019 Meeting of Midwest PARC, Madrid, IA (Aug. 16-18).
- Mills, M. S., C. Watson, H. Mills, S. Brown, B. Robertson, M. DeShazo, J. Herron, J. Jedlicka, and T. Quedensley. 2019. Biodiversity and Management of Missouri Ozark Glades with an Emphasis on Amphibians and Reptiles. Annual Meeting of the Missouri Academy of Science, Northwest Missouri State University, Maryville, MO (April 12-13).
- Schneider, V., K. Dean, M. Mills, L. Cain, and D. Kessler. 2019. Presence and Habitat Use of the Blanding’s Turtle (*Emydoidea blandingii*) on the Loess Bluffs National Wildlife Refuge, Missouri. Poster Presentation, Missouri Natural Resources Conference, Osage Beach, MO (Feb. 5-7)
- *Mills, M. S., J. Brown, N. Barnett, J. Brown, A. Hoverder, K. Lavelle, T. Phillips, A. Powers, C. Watson, and D. Welchert 2018 Why Did the Turtle Cross the Campus? A Ten-Year Study of An Urban Turtle Metapopulation The Wildlife Society Annual Conference, Cleveland, OH (Oct. 7-11)
- Watson, C., Bolander, B., and M. S. Mills. 2018. “Surveying Herpetofauna on Glades Throughout the Missouri Ozarks: Preliminary Findings.” Poster presentation, Missouri Natural Resources Conference, (January 31).
- Watson, C., B. Bolander, and M. S. Mills. 2017. “Surveying Herpetofauna on Glades Throughout the Missouri Ozarks: Preliminary Findings.” Missouri Herpetological Association Annual Meeting, REIS Biological Station, Steelville, MO (September 16-17)
- Mills, M. S., C. D. Watson, B. Bolander, J. Green. 2017. “Surveying Herpetofauna on Glades Throughout the Missouri Ozarks: Preliminary Findings,” Midwest Partners in Amphibian and Reptile Conservation Annual Meeting, Bradford Woods Conference Center, Martinsville, IN. (August 18-20).
- Watson, C., J. Green and M. S. Mills. 2017. “Habitat Correlates to Quantity and Species of Turtles Captured in Ponds on the Missouri Western Campus.” Tri-Beta North Central District 2 Conference. Camp Maha, Papillion, NE (March 31 – April 2)
- Bolander, B., T. Campbell, M. S. Mills, and D. Welchert. 2017. “Habitat Use by State Endangered Blanding’s Turtle in Squaw Creek National Wildlife Refuge, Missouri” Missouri Natural Resource Conference, Tan-Tar-a Resort, Osage Beach, MO (February 1-3, 2017)
- Welchert, D. M., M. S. Mills, and J. J. Meyer. 2017. 77th Midwest Fish and Wildlife Conference, “Comparison of two sampling techniques and management effects on the herpetofauna on Loess Bluffs National Wildlife Refuge, Northwest Missouri.” Lincoln, NE (Feb. 5-8, 2017)
- Watson, C., J. Green, and M.S. Mills. 2017. Annual Meeting of the Missouri Herpetological Association, “Habitat Correlates to Quantity and Species of turtles Captured in Ponds on the Missouri Western Campus.” Bull Shoals Field Station, Mincy, MO (Sept. 17, 2016)

- *Mills, M.S., Yehle Rix, J., Couch, B., Joint Meeting of Ichthyologists and Herpetologists, "Amphibians using man-made vernal pools in Missouri: A four-year study with a comparison of techniques," American Society of Ichthyologists and Herpetologists, Herpetologists' League, Society for the Study of Amphibians and Reptiles, American Elasmobranch Society, New Orleans, LA. (July 9, 2016).
- Bolander, B., Brown, S., Mills, M.S., Missouri Academy of Science, "Parking Lot Run-off Effects on Tadpole Development," Lincoln University, Jefferson City, MO. (April 23, 2016).
- Ashley, D., Mills, M.S., Nulph, R., Conference on Applied Learning in Higher Education, "Applied Learning Through a Field Natural History Experience," Missouri Western State University, St. Joseph, MO. (April 1, 2016).
- Pauley, B., Kohlleppel, M., Cornelius, H., Brown, S., Mills, M.S., Conference on Applied Learning in Higher Education, "Applied Learning Through Research Studies in Herpetology: Monitoring an Urban Turtle Metapopulation on the Campus of Missouri Western State University.," Missouri Western State University, St. Joseph, MO. (April 1, 2016).
- Bolander, B., Brown, S., Mills, M.S., Conference on Applied Learning in Higher Education, "Effects of Parking Lot Run-Off on Tadpole Development," Missouri Western State University, St. Joseph, MO. (April 1, 2016).
- Yehle Rix, J., Couch, B., Mills, M.S., Ashley, D., Missouri Natural Resources Conference, "Amphibian Sampling and Monitoring: A Look into Effectiveness of Techniques," Missouri Chapter of The Wildlife Society, Missouri Chapter of the American Fisheries Society, The Missouri Chapter of the Society of American Foresters, the Show-Me Chapter of the Soil and Water Conservation Society, Osage Beach, MO. (February 3, 2016).
- Pauley, B., Brown, S., Cornelius, H., Mills, M.S., Missouri Natural Resources Conference, "Monitoring an Urban Turtle Metapopulation: Why Did the Turtle Cross the Road?," Missouri Chapter of The Wildlife Society, Missouri Chapter of the American Fisheries Society, The Missouri Chapter of the Society of American Foresters, the Show-Me Chapter of the Soil and Water Conservation Society, Osage Beach, MO. (February 3, 2016).
- Ashley, D., Mills, M.S., 53rd Annual Meeting of ACUBE, "Case studies illustrating the use of Collaborative Projects Across the Curriculum (CPAC) as applied learning activities in biology classes at Missouri Western State University," Association of College and University Biology Educators, Missouri Western State University, St. Joseph, MO. (October 24, 2015).
- Mills, M.S., 53rd Annual Meeting of ACUBE, "Dr. Mills, is this a cottonmouth?" Tales from the field," Association of College and University Biology Educators, Missouri Western State University, St. Joseph, MO. (October 23, 2015).
- *Mills, M.S., Brown, S., Cornelius, H., Miller, M., Pauley, B., Annual Meeting of the Society for the Study of Amphibians and Reptiles, "Monitoring an Urban Turtle Metapopulation: Why Did the Turtle Cross the Road?," Society for the Study of Amphibians and Reptiles, Partners in Amphibian and Reptile Conservation, plus 5 additional organizations, University of Kansas, Lawrence, KS. (August 2, 2015).
- *Couch, B. T., Mills, M.S., Ashley, D., Annual Meeting of the Society for the Study of Amphibians and Reptiles, "Are Aquatic Light Traps Effective for Surveying for Amphibian Larvae?," Society for the Study of Amphibians and Reptiles, Partners in Amphibian and Reptile Conservation, plus 5 additional organizations, University of Kansas, Lawrence, KS. (August 1, 2015).
- *Meyer, J., Welchert, D., Mills, M.S., Annual Meeting of the Society for the Study of Amphibians and Reptiles, "Research in Progress: Habitat Selection by the State Endangered Blanding's Turtle (*Emydoidea blandingii*) at Squaw Creek National Wildlife Refuge, Missouri.," Society for the Study of Amphibians and Reptiles, Partners in Amphibian and Reptile Conservation, plus 5 additional organizations, University of Kansas, Lawrence, KS. (July 31, 2015).
- Mills, M.S., Missouri Academy of Science 51st Annual Meeting, "Monitoring a Turtle Metapopulation on the Campus of Missouri Western State University: Six Years of Combining Research with Undergraduate Education," Missouri Western State University, St. Joseph, MO. (April 18, 2015).

- Couch, B., Mills, M.S., Drake, D., 46th Annual South Dakota State University Geography Convention, "Using GIS to Find the Success of Amphibian Reproduction in Man-Made Vernal Pools," South Dakota State University, Brookings, SD. (March 2015).
- Meyer, J. , Welchert, D. , Mills, M. S., Shore, A. , Missouri Natural Resources Conference, "Research in Progress: Habitat Selection by the State Endangered Blanding's Turtle (*Emydoidea blandingii*) at Squaw Creek National Wildlife Refuge, Missouri.," Missouri Chapter of The Wildlife Society, Missouri Chapter of the American Fisheries Society, The Missouri Chapter of the Society of American Foresters, the Show-Me Chapter of the Soil and Water Conservation Society, Osage Beach, MO. (February 5, 2015).
- *Meyer, J. , Welchert, D. , Mills, M. , Shore, A. , 21st Annual Conference of the Wildlife Society, "Research in Progress: Habitat Selection by the State Endangered Blanding's Turtle (*Emydoidea blandingii*) at Squaw Creek National Wildlife Refuge, Missouri.," The Wildlife Society, Pittsburgh, PA. (October 25, 2014).
- Couch, B. , Sunderland, J. , Arbuckle, D. , Drake, D. , Mills, M. , Missouri Herpetological Association 27th Annual Meeting, "Success of Amphibian Reproduction in Man-Made Vernal Pools," Missouri Herpetological Association, Bull Shoals Field Station, Mincy, MO. (September 27, 2014).
- Mills, M. , Banks, K. , Messa, T. , Midwest PARC 2014 Annual Meeting: Survey and Monitoring of Amphibians and Reptiles with an Emphasis on Restored Habitats, "Monitoring an Urban Turtle Metapopulation on the Campus of Missouri Western State University," Midwest Partners in Amphibian and Reptile Conservation, Loretto, MN. (August 23, 2014).
- Couch, B. T. , Mills, M. , Ashley, D. , Midwest PARC 2014 Annual Meeting: Survey and Monitoring of Amphibians and Reptiles with an Emphasis on Restored Habitats, "Surveying Amphibian Larvae Using Aquatic Light Traps," Midwest Partners in Amphibian and Reptile Conservation, Loretto, MN. (August 23, 2014).
- Couch, B. , Mills, M. , Drake, D. , Midwest PARC 2014 Annual Meeting: Survey and Monitoring of Amphibians and Reptiles with an Emphasis on Restored Habitats, "Using GIS to Determine the Success of Amphibian Reproduction in Man-Made Vernal Pools," Midwest Partners in Amphibian and Reptile Conservation, Loretto, MN. (August 23, 2014).
- *Couch, B. T. , Mills, M. , Drake, D. , 99th Ecological Society of America Annual Meeting, "Using GIS to determine the success of amphibian reproduction in man-made vernal pools," ESA, Sacramento, CA. (August 10, 2014).
- Couch, B. , Mills, M. , Drake, D., Annual Meeting of the Missouri Academy of Science, "Using GIS to Determine the Success of Amphibian Reproduction in Man-Made Vernal Pools," Missouri Academy of Science, Warrensburg, MO. (April 26, 2014).
- Couch, B. , Nunez, A. , Mills, M. , 74th Midwest Fish and Wildlife Conference, "A Survey of Amphibian Reproduction in Man-Made Vernal Pools," Missouri Dept. of Conservation, Missouri Cooperative Fish and Wildlife Research Unit, and Missouri Conservation Heritage Foundation, Kansas City, MO. (January 28, 2014).
- Gaume, C. , Welchert, D. M. , Mills, M. , Davis, J. L. , 74th Midwest Fish and Wildlife Conference, "Preliminary Spatial Ecology of Blanding's Turtles (*Emydoidea blandingii*) on Squaw Creek National Wildlife Refuge, Northwest Missouri," Missouri Dept. of Conservation, Missouri Cooperative Fish and Wildlife Research Unit, and Missouri Conservation Heritage Foundation, Kansas City, MO. (January 28, 2014).
- Mills, M. S., Banks, K. , Bracke, A. , Messa, T. , Richardson, C. , 74th Midwest Fish and Wildlife Conference, "Urban Ecology: A Turtle Metapopulation on the Campus of Missouri Western State University," Missouri Dept. of Conservation, Missouri Cooperative Fish and Wildlife Research Unit, and Missouri Conservation Heritage Foundation, Kansas City, MO. (January 27, 2014).
- Welchert, D., Mills, M. S., Gaume, C., and Davis, J. 2013. "Spatial Ecology of Blanding's Turtles (*Emydoidea blandingii*) on Squaw Creek National Wildlife Refuge, Missouri," 26th Annual Meeting of the Missouri Herpetological Association Missouri Herpetological Association, Reis Biological Station, Steelville, MO.

- *Mills, M. S., Banks, K., Bracke, A., Messa, T., and Richardson, C. 2013. "Turtle Ecology on the Campus of Missouri Western State University: Five Years of Combining Undergraduate Teaching with Research," 11th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles, Turtle Survival Alliance and IUCN Tortoise and Freshwater Turtle Specialist Group, St. Louis, MO.
- *Wallace, N., Kilpatrick, K., Ashley, D., and Mills, M. S. 2013. "Intracellular Blood Parasites of *Chrysemys picta*, *Trachemys scripta*, and *Chelydra serpentina*," 11th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles, Turtle Survival Alliance and IUCN Tortoise and Freshwater Turtle Specialist Group, St. Louis, MO.
- *Richardson, C., Messa, T., Banks, K., Bracke, A., and Mills, M. S. 2013. "Sardines or Cat Food? A Study of the Effectiveness of Different Baits for Trapping Turtles," 11th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles, Turtle Survival Alliance and IUCN Tortoise and Freshwater Turtle Specialist Group, St. Louis, MO.
- *Gudehus, B., and Mills, M. S. 2013. "Wildlife Conservation Internship: Invasive Species Removal and Prairie Restoration at Thousand Hills State Park," Conference on Applied Learning in Education, Missouri Western State University, St. Joseph, MO.
- Mills, M. S., Welchert, D., Davis, J., and Walker, W. 2013. "Assessing Herpetofaunal Diversity in the Loess Hills of Northwest Missouri with a Comparison of Sampling Techniques," Missouri Natural Resources Conference, Missouri Chapter of the American Fisheries Soc., Wildlife Soc., Soc. of American Foresters, and the Soil and Water Conservation Soc., Osage Beach, MO.
- Richardson, C., Loe, H., Messa, T., Wallace, N., and Mills, M. S. 2012. "Metapopulation Ecology of Turtles on the Campus of Missouri Western State University," Annual Meeting of the Missouri Herpetological Association, Busby Farm Field Station, Lincoln University.
- Loe, H., Davis, J., Messa, T., Richardson, C., Wallace, N., Mills, M. S., and Welchert, D. 2012. "Radio-Telemetry Study of Blanding's Turtle Movement and Population Ecology of Turtles at Squaw Creek National Wildlife Refuge," Annual Meeting of the Missouri Herpetological Association, Busby Farm Field Station, Lincoln University.
- *Mills, M. S., Hartman, K., and Ashley, D. 2012. "Applied Learning Components (ALC's) of a multi-course collaboration involving basic ecological sampling and data analysis," Conference on Applied Learning in Higher Education, Missouri Western State University, St. Joseph, MO.
- Voltmer, L., Bembrick, M., Bremer, B., McMillian, H., and Mills, M. S. 2011. "Population ecology of turtles on the campus of Missouri Western State University: Year Three.," 24th Annual Meeting of the Missouri Herpetological Association, Reis Biological Station, Steelville, MO.
- Mills, M. S., Lanier, C., Streett, J., Walker, W., and Ausberger, T. 2011. "Using coverboards to examine herpetological biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge, Missouri," 24th Annual Meeting of the Missouri Herpetological Association, Reis Biological Station, Steelville, MO.
- *Mills, M. S., Haley, J., Wallace, N., and Zirkle, C. 2011. "Population ecology of turtles on the campus of Missouri Western State University: year two," Joint Meeting of Ichthyologists and Herpetologist, AES, ASIH, HL, and SSAR, Hosted by U. of Minnesota and St. Olaf College, Minneapolis, MN.
- *Mills, M. S., and Ausberger, T. 2011. "Using coverboards to examine herpetological biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge, Missouri," Joint Meeting of Ichthyologists and Herpetologists, AES, ASIH, HL, and SSAR, Hosted by U. of Minnesota and St. Olaf College, Minneapolis, MN.
- Mills, M. S., Haley, J., Wallace, N., and Zirkle, C. 2011. "Urban Biodiversity: Population Ecology of Turtles on the Campus of Missouri Western State University," Annual Meeting of the Missouri Academy of Science, Lincoln University, Jefferson City, MO.
- Mills, M. S., and Ausberger, T. 2011 "Using Coverboards to Examine Herpetological Biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge in Missouri," Annual Meeting of the Missouri Academy of Science, Lincoln University, Jefferson City, MO.

- Mills, M. S., and Ausberger, T. 2010., "Using coverboards to examine biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge, Missouri," 37th Annual Meeting of the Kansas Herpetological Society, Topeka, KS.
- Ausberger, T., and Mills, M. S. 2010. "Using coverboards to examine biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge," 23rd Annual Meeting of the Missouri Herpetological Association, Reis Biological Station, Steelville, MO.
- Mills, M. S., T. Ausberger, K. Sheehan, and C. Zirkle. 2010. "Population Ecology of Turtles on Missouri Western State University's Campus." Missouri Academy of Science (MAS) Annual Meeting, Missouri State University, Springfield, MO.
- Mills, M. S., and C. C. Miller-Tipton. 2010. "Effects of Parking Lot Run-Off on Larval Amphibian Growth and Survivorship: A Pilot Study." Missouri Academy of Science (MAS) Annual Meeting, Missouri State University, Springfield, MO.
- *Mills, M. S. 2010. "Incorporating Publishable Field and Laboratory Studies Into Undergraduate Biology Courses." 5th Annual Conference on Applied Learning in Higher Education., Missouri Western State University, St. Joseph, MO.
- *Rushin, J., Ashley, D., Chevalier, C., Baker, J., Daggett, M., Eckdahl, T., Hartman, K., Koy, K., Mills, M., Walton, K. February 19, 2010. "Using two-week learning cycle blocks (LCBs) in General Studies Biology: Pros and cons." 5th Annual Conference on Applied Learning in Higher Education., Missouri Western State University, St. Joseph, MO.
- Mills, M. S., Ausberger, T., Sheehan, K., Zirkle, C. November 8, 2009. "A Preliminary Study of the Population Ecology of Turtles on Missouri Western State University's Campus," Kansas Herpetological Society 36th Annual Meeting, Kansas Herpetological Society, MidAmerica Nazarene University, Olathe, KS.
- *Rushin, J., Ashley, D., Baker, J., Chevalier, C., Daggett, M., Eckdahl, T., Hartman, K., Koy, K., Mills, M., Walton, K. October 2009. "Two-Week Long Learning Cycle Blocks (LCBs) in General Studies Biology: Pros and Cons." National Association of Biology Teachers Professional Development Conference, National Association of Biology Teachers.
- *Okapal, J., Mills, M., Hartman, K. October 9, 2009. "Introducing Ethics into Introductory Biology," ACUBE 53rd Annual Meeting, Promoting Undergraduate Research, ACUBE, Rockhurst University, Kansas City, MO.
- *Rushin, J., Ashley, D., Baker, J., Chevalier, C., Daggett, M., Eckdahl, T., Hartman, K., Koy, K., Mills, M., Walton, K. October 9, 2009. "Two-Week Long Learning Cycle Blocks (LCB's) in General Studies Biology: Pros and Cons." ACUBE 53rd Annual Meeting, Promoting Undergraduate Research, ACUBE, Rockhurst University, Kansas City, MO.
- Mills, M. S., Ausberger, T., Zirkle, C., Sheehan, K. September 26, 2009. "Population Ecology of Turtles on Missouri Western University's Campus: A Preliminary Report." 22nd Annual Meeting of the Missouri Herpetological Association, Missouri Herpetological Association, Bull Shoals Field Station, Kirbyville, MO.
- Mills, M. S., Ausberger, T., Zirkle, C., Sheehan, K. September 9, 2009. "Population Ecology of Turtles on the MWSU Campus: A Summer Research Institute Project," MWSU Seminar Series, sponsored by Beta Beta Beta, MWSU Student Chapter of the Wildlife Society, MWSU PreProfessional Club, MWSU, St. Joseph, MO.
- *Mills, M. S., Ausberger, T., Sheehan, K., Zirkle, C. August 5, 2009. "Population Ecology of Turtles on Missouri Western State University's Campus: A Preliminary Report." The 7th Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles, Turtle Survival Alliance and IUCN Tortoise & Freshwater Turtle Specialist Group, St. Louis, MO, USA.
- Ausberger, T., K. Sheehan, C. Zirkle, and M. S. Mills. July 24, 2009. Population Ecology and Metapopulation Dynamics of Turtles on Missouri Western State University's Campus. Eighth Annual Summer Research Institute Symposium, Missouri Western State University, St. Joseph, MO.

- Mills, M. S. April 25, 2009. Movements of Turtles Among Missouri River Floodplain Wetlands. 45th Annual Meeting of the Missouri Academy of Science, Northwest Missouri State University, Maryville, MO.
- *Mills, M. S. February 20, 2009. The Importance of Undergraduate Research in Teaching Biology. Fourth Annual Conference on Applied Learning in Higher Education, Missouri Western State University, St. Joseph, MO.
- Mills, M. S.*, T. N. Sample, J. L. Godfrey, S. Mosquera, M. L. Carter, M. C. Klein, K. M. Novicky, and G. T. Lyon. 2009. Reproductive Ecology of a Suburban Population of Small-Mouthed Salamanders (*Ambystoma texanum*) in Missouri: A Seven-Year Study. Missouri Natural Resources Conference, Osage Beach, MO.
- Mills, M. S. 2008. "Undergraduate Research Opportunities in Herpetology and Vertebrate Ecology," Tri-Beta Seminar Series, Beta Beta Beta National Biological Honor Society, MWSU.
- Mills, M. S.*, T. N. Sample, J. L. Godfrey, S. Mosquera, M. L. Carter, M. C. Klein, K. M. Novicky, and G. T. Lyon. 2008. Reproductive Ecology of a Suburban Population of Small-Mouthed Salamanders (*Ambystoma texanum*): A Seven-Year Study. 35th Annual Meeting of the Kansas Herpetological Society, Friends University, Wichita, KS.
- Mills, M. S.*, T. N. Sample, J. L. Godfrey, S. Mosquera, M. L. Carter, and M. C. Klein. 2007. Reproductive Ecology of a Suburban Population of Small-Mouthed Salamanders (*Ambystoma texanum*): Year Six. 20th Annual Meeting of the Missouri Herpetological Association, Bull Shoals Field Station, Kirbyville, MO.
- Mills, M. S.*, T. N. Sample, J. L. Godfrey, S. Mosquera, M. L. Carter, and M. C. Klein. 2007. Reproductive Ecology of a Suburban Population of Small-Mouthed Salamanders (*Ambystoma texanum*): A Six-Year Study. Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO.
- Mills, M. S. 2006. Movements of Turtles Among Missouri River Floodplain Wetlands: A Preliminary Report. 4th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Joint annual Meeting of the Turtle Survival Alliance and the IUCN Tortoise and Freshwater Turtle Specialist Group, St. Louis, MO.
- Mills, M. S.*, T. N. Sample, J. L. Godfrey, S. Mosquera, and M. L. Carter. 2005. Reproductive Ecology of an Urban Population of Small-Mouthed Salamanders (*Ambystoma texanum*): A Four-Year Study. 2005 Joint Meeting of Ichthyologists and Herpetologists, Tampa, FL.
- Reed, J. C.*, J. C. Mullican, and M. S. Mills. 2004. The Development and Examination of Brown Water Snake (*Nerodia taxispilota*) Genetic Fingerprints via RAPD Analysis. Kansas Herpetological Society 31st Annual Meeting, Manhattan, KS
- Dorcas, M. E.*, S. Bennett, W. Kalinowsky, W. Hopkins, J. Roe, and M. S. Mills. 2004. The Thermal Biology and Energetics of the Eastern Diamondback Rattlesnake (*Crotalus adamanteus*). 4th Meeting of the Snake Ecology Group, Shawnee National Forest, Illinois.
- Mills, M. S.*, T. N. Sample, J. L. Godfrey, and S. Mosquera. 2004. Reproductive Ecology of an Urban Population of Small-Mouthed Salamanders (*Ambystoma texanum*): Year Three. 17th Annual Meeting of the Missouri Herpetological Association, Squaw Creek National Wildlife Refuge, Mound City, MO.
- Mills, M. S.*, T. N. Sample, J. L. Godfrey, and S. Mosquera. 2004. Reproductive Ecology of an Urban Population of Small-Mouthed Salamanders (*Ambystoma texanum*). 2004 Joint Meeting of Ichthyologists and Herpetologists, Norman, OK
- Reed, J. C.*, M. S. Mills, and J. C. Mullican. 2004. Development of a RAPD-based genetic profile of the brown water snake, *Nerodia taxispilota*. 2nd Annual Kansas Biomedical Research Infrastructure Network Symposium, Kansas State University, Manhattan, KS, Jan. 2004.
- Sample, T., and M. S. Mills*. 2003. Reproductive Ecology of an Urban Population of Small-Mouthed Salamanders (*Ambystoma texanum*): Year two. 16th Annual Meeting of the Missouri Herpetological Association, Reis Biological Station, Steelville, MO.

- Mills, M. S.*, and W. R. Hiler. 2003. Herpetological research at a Missouri River marsh, Van Meter State Park, MO. 7th Annual Missouri River Natural Resources Conference, Benedictine College, Atchison, KS.
- Sample, T.*, and M. S. Mills. 2002. Reproductive Ecology of an Urban Population of Small-Mouthed Salamanders (*Ambystoma texanum*): Preliminary Results. 15th Annual Meeting of the Missouri Herpetological Association, Reis Biological Station, Steelville, MO.
- Mills, M. S.*, and W. R. Hiler. 2002. Turtles, Snakes, and Students: Herpetological Research at Van Meter State Park. Joint Meeting of Ichthyologists and Herpetologists, Kansas City, MO.
- Mills, M. S.*, W. R. Hiler, and C. R. Hickman. 2001. Snails, Snakes, and Students: Herpetological Research at Van Meter State Park. 14th Annual Meeting of the Missouri Herpetological Association, Reis Biological Station, Steelville, MO.
- Mills, M. S. 2000. The foraging ecology and diet of *Nerodia taxispilota* with a comparison of techniques. Snake Ecology 2000, Ozark Natural Science Center (University of Arkansas), Huntsville, AK.
- Mills, A. M., J. W. Gibbons, M. S. Mills, et al. 1999. Herps Alive! Using reptiles and amphibians in educational talks. Conserving Amphibians and Reptiles in the New Millennium: First National Organizational Meeting of Partners in Amphibian and Reptile Conservation (PARC), Holiday Inn Atlanta Airport North, Atlanta, GA
- Mills, M. S. 1998. Prey preference in neonate brown water snakes, *Nerodia taxispilota*. Joint Meeting of ASIH, SSAR, HL, AES, and Canadian Assoc. of Herpetologists, University of Guelph, Guelph, Ontario, Canada
- Dorcas, M. E., J. W. Gibbons, and M. S. Mills*. 1998. A study of the defensive behavior of cottonmouths (*Agkistrodon piscivorus*) in South Carolina. Joint Meeting of ASIH, SSAR, HL, AES, and Canadian Assoc. of Herpetologists, University of Guelph, Guelph, Ontario, Canada
- Mills, M. S. 1997. Life history and ecology of the brown water snake, *Nerodia taxispilota*. Third World Congress of Herpetology, Prague, Czech Republic
- Mills, M. S. 1997. Foraging ecology of the brown water snake, *Nerodia taxispilota*, with a comparison of collecting techniques. Joint Meeting of ASIH, HL, SSAR, AFS-ELFS, AES, and GIS, University of Washington, Seattle
- Aldridge, R. D.*, M. S. Mills, J. R. Lee, A. S. Adewale. 1997. Snake blood obtained by tail sticks may not accurately reflect circulating blood. Joint Meeting of ASIH, HL, SSAR, AFS-ELFS, AES, and GIS, University of Washington, Seattle
- Mills, M. S. 1997. Demography and growth of the brown water snake, *Nerodia taxispilota*. 58th Annual Meeting of the Association of Southeastern Biologists, Furman University, Greenville, SC
- Mills, M. S. 1996. Population ecology of the brown water snake, *Nerodia taxispilota*. 39th Annual Meeting of The Society for the Study of Amphibians and Reptiles, University of Kansas, Lawrence, KS
- Mills, M. S. 1996. Winter activity and movement patterns in the brown water snake, *Nerodia taxispilota*. 57th Annual Meeting of the Association of Southeastern Biologists, Georgia Southern University, Statesboro, GA
- Mills, M. S. 1995. Weight loss and other costs of winter activity in brown water snakes (*Nerodia taxispilota*). 38th Annual Meeting of The Society for the Study of Amphibians and Reptiles, Appalachian State University, Boone, NC
- Mills, M. S. 1995. Fall and winter movement patterns and activity of brown water snakes (*Nerodia taxispilota*). Joint Meeting of The American Society of Ichthyologists and Herpetologists, American Elasmobranch Society, and Herpetologists' League, University of Alberta, Edmonton, Alberta
- Lee, J. R.*, and M. S. Mills. 1995. Relative rates of weight loss in brown water snakes maintained at different simulated winter temperatures. Joint Meeting of The American Society of Ichthyologists and Herpetologists, American Elasmobranch Society, and Herpetologists' League, University of Alberta, Edmonton, Alberta

- Mills, M. S.*, C. J. Hudson, and H. J. Berna. 1994. Foraging ecology of the brown water snake (*Nerodia taxispilota*) on the Savannah River Site, South Carolina, USA. Annual Joint Meeting of The Herpetologists' League and The Society for the Study of Amphibians and Reptiles, University of Georgia, Athens, GA.
- Lee, J. R.*, M. S. Mills, and J. W. Gibbons. 1994. Design and use of a semi-natural enclosure for the study of snakes. Annual Joint Meeting of The Herpetologists' League and The Society for the Study of Amphibians and Reptiles, University of Georgia, Athens, GA.
- Mills, M. S.*, and C. J. Hudson. 1994. Population Ecology of *Nerodia taxispilota* on the Savannah River, USA. 2nd World Congress of Herpetology. Adelaide, South Australia.
- Mills, M. S.*, H. J. Berna, and C. J. Hudson. 1992. Natural History of the Brown Water Snake (*Nerodia taxispilota*) on the Savannah River. Annual Meeting of The American Society of Ichthyologists and Herpetologists, The Herpetologists' League, and American Elasmobranch Society. University of Illinois, Champaign-Urbana, IL.
- Mills, M. S. 1990. Population Ecology of the Turtle *Chrysemys picta bellii* in Eastern Nebraska. Annual Joint Meeting of The Herpetologists' League and The Society for the Study of Amphibians and Reptiles, Tulane University, New Orleans, LA.
- Mills, M. S.*, and M. C. Harberg. 1990. Radiotelemetry Study of the Shovelnose Sturgeon in the Channelized Missouri River. Prairie States Ecology Conclave. Bennett Springs State Park, Lebanon, MO.
- Harberg, M. C.*, and M. S. Mills. 1990. Results of the 1989 Corps of Engineers Sturgeon Study - Omaha District. Sturgeon/Paddlefish Workshop. Casper, WY.
- Mills, M. S.*, and J. D. Fawcett. 1988. Distribution of cutaneous sense organs from different body regions of the New Zealand gecko *Hoplodactylus maculatus*. 75th Anniversary of Copeia Combined Meetings of The Society for the Study of Amphibians and Reptiles, The Herpetologists' League, Early Life-History Society (AFS), American Elasmobranch Society, with The American Society of Ichthyologists and Herpetologists. University of Michigan, Ann Arbor, MI.

* indicates the presenter if more than one author

UNDERGRADUATE RESEARCH ADVISED OR CO-ADVISED*:

- 2013 – Paul Frederick (MWSU) “Effects of Parking Lot Run-off on Tadpole Survivorship and Growth”
- 2013 – Kristin Banks, Ashley Bracke, Tayla Messa, and Carrie Richardson (all MWSU), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri Western State University’s Campus”
- 2013 – Jordan Myer (MWSU), “Using Coverboards to Examine Herpetological Biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge, Missouri.”
- 2013 – Brock Couch, Alejandra Nunez, Akasha Philpott, Carrie Richardson, and Alyssa Shinn (all MWSU), “Amphibian Use of Man-Made Vernal Pools in the Mark Twain National Forest”
- 2012 – Brock Couch, David Flannagan, and Alejandra Nunez (all MWSU), “Amphibian Use of Man-Made Vernal Pools in the Mark Twain National Forest”
- 2012 – Daniel Simmons (MWSU), “Survey of the Fishes of Otoe Creek”
- 2012 – Willy Walker (MWSU), “Using Coverboards to Examine Herpetological Biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge, Missouri.”
- 2012 – Heather Loe, Tayla Messa, Carrie Richardson, and Nicole Wallace (all MWSU), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri Western State University’s Campus”
- 2011 – Daniel Simmons (MWSU), “Survey of the Fishes of Otoe Creek”
- 2011 – Chris Lanier, Joe Streett, and Willy Walker (all MWSU), “Using Coverboards to Examine Herpetological Biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge, Missouri.”
- 2011 – Mitchell Bembrick, Brittany Bremer, Heather McMillian, and Leah Voltmer (all MWSU), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri Western State University’s Campus”
- 2010 – Mike Jeffries (MWSU), “Reproductive Ecology of Amphibians at Old Pond on the MWSU Campus”

2010 – Jacob Haley (MWSU), Nicole Wallace (MWSU), and Colton Zirkle (Central High School), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri Western State University’s Campus”

2010 – Teresa Ausberger (MWSU), “Using Coverboards to Examine Biodiversity in the Loess Hills at Squaw Creek National Wildlife Refuge”

2010 – Christopher “Cody” Miller-Tipton (MWSU), “Effects of Parking Lot Run-Off on the Growth and Survivorship of Chorus Frog Tadpoles.”

2009 – Teresa Ausberger (MWSU), Kristen Sheehan (Benton High School), and Colton Zirkle (Central High School), “Population Ecology and Metapopulation Dynamics of Turtles on Missouri Western State University’s Campus”

2008 – Kathleen Novicky and Travis Lyon (MVC), “Reproductive ecology of an urban population of small-mouthed salamanders, *Ambystoma texanum*”

2007 – Matt Klein (MVC), “Reproductive ecology of an urban population of small-mouthed salamanders, *Ambystoma texanum*”

2005 – Mariah Carter (MVC), “Reproductive ecology of an urban population of small-mouthed salamanders, *Ambystoma texanum*”

2005 – Diana Mullich (MVC), “Seasonal movements of turtles among freshwater wetlands”

2005 – Garrett Orndorff (MVC), “Predators and prey of the small-mouthed salamander, *Ambystoma texanum*”

2004 – Jennifer Godfrey and Sandra Mosquera (MVC), “Reproductive ecology of an urban population of small-mouthed salamanders, *Ambystoma texanum*”

2003 – Beth Vieregge (MVC), “A comparison of rodent populations in Saline Co., MO”

2002-2003 – Teffany Sample (MVC), “Reproductive ecology of an urban population of small-mouthed salamanders, *Ambystoma texanum*”

2001-2003 – Waylon Hiler (MVC), “Herpetological Survey of Van Meter State Park; Population ecology of the turtles of the Oumessourit Natural Area”

1999 - Caleb Hickman (MVC), "Herpetofaunal survey of Van Meter State Park"

1997 - Jana Ellis (Erskine College), "Mercury levels in a semi-aquatic snake, *Nerodia taxispilota*" (w/ Dr. Chuck Jagoe)*

1995 - Jimmy Hill (Clemson University), "Determining movement patterns and habitat use of *Nerodia taxispilota* using a GPS system"*

1994 - Tracey Parker (Warren Wilson College), "Relationships between snake activity and temperature as observed in three species in an outdoor enclosure." (w/ John Lee)*

1994 - Eddie Moore (Barnwell High School) "Prey preference of the brown water snake, *Nerodia taxispilota*"*

1994 - Travis Tuchak (Virginia Tech University) "*Nerodia fasciata* and *N. sipedon*: Using meristic characters to determine which occurs on the SRS" (w/ John Lee)*

1994 - Melissa Newman (Strom Thurmond High School) "Winter weight loss in *Nerodia taxispilota* under different thermal conditions" (w/ John Lee)*

1993 - Tracey Parker (South Aiken High School), "Digestive rates of *Nerodia taxispilota* at two temperature regimes: Do they eat in the winter?" (w/ Chris Hudson)*

*Through the Savannah River Ecology Laboratory Undergraduate Research and Young Scholars Programs

PROFESSIONAL SERVICE

Missouri Western State University

Committee Member, Presidential Search Committee

Committee Member, General Studies Assessment Committee (also Faculty Senate Liason)

Committee Member, Strategic Planning Committee (January 2017 to Present)

Committee Member, AQIP, Valuing Employees Committee

Committee Chair, Carissa Ganong's Promotion and Tenure Committee. (September 2016 Present).
 Committee Member, Faculty Senate, approximately (August 2015 - Present).
 Faculty Senate Liaison to the Undergraduate Curriculum Committee. (August 2015 - Present).
 Committee Member, Csengele Barta's Promotion & Tenure Committee. (September 2014 - Present).
 Committee Chair, Taylor Quedensley's Tenure & Promotion Committee. (September 2014 - Present).
 Committee Member, Tenure & Promotion Committee - Dawn Drake, (August 2015 - Present).
 Committee Member, Honors Faculty Committee. (2013 - Present).
 Faculty Mentor, Midwest Apex Project. (2010 - Present).
 Chairperson, Institutional Animal Care and Use Committee, IACUC. (2010 - Present).
 Committee Member, Faculty Senate Scholarship Committee. (2010 - 2012).
 Advisor, Beta Beta Beta (2010-Present)
 Co-Advisor (w/ Kurt Hartman), Beta Beta Beta (2009-2010)
 Search Committee (Dept. of History, Philosophy, & Geography), Philosophy of Biology Faculty (2009-2010)
 Galileo's Legacy Conference, The Significance of Darwinian Theory to Other Fields of Study, Program Co-Organizer (w/ Phil Wann, Psychology, and Mark Mikkelsen, Philosophy) (2009)
 Assessment Committee, Biology Experimental Methods Skills (2009-Present)
 Wildlife Conservation and Management Steering Committee (2008-Present)

Other Professional Service

Board of Advisors, Midwest Partners in Amphibian and Reptile Conservation (PARC), (August 2015 - Present).
 Session Chair, Amphibian Ecology & General Herpetology, Joint Meeting of Ichthyologists and Herpetologists, (July 2016).
 Judge for the SSAR Hutchison Student Poster Award, Joint Meeting of Ichthyologists and Herpetologists, (July 2016).
 Squaw Creek NWR Wet Prairie Adaptive Management Framework Meeting, (February 23, 2016).
 Officer, Vice President, Pony Express Amphibian and Reptile Society (PEARS). (January 2015 - Present).
 Board Member, Pony Express Amphibian and Reptile Society (PEARS). (January 2013 - Present).
 Moderator, Oral Presentations, Conservation and Ecology Section, Annual Meeting of the Society for the Study of Amphibians and Reptiles. (August 1, 2015).
 2007 – Session moderator, Amphibian Ecology paper session, Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO.
 2007 – Judge, Stoye Award (Best Student Paper in Ecology and Ethology), Joint Meeting of Ichthyologists and Herpetologists, St. Louis, MO.
 1996 - Member of SSAR Student Travel Awards Committee (Helped organized silent auction at SSAR annual meeting in Lawrence, KS)
 1994 - Chair of Poster Presentations - Annual Joint Meeting of the HL and the SSAR, Athens, GA
 Offices Held:
 1991-1992 - President, UGA Zoology Graduate Student Association (ZGSA)
 1991 - Chairman, ZGSA Best Student Paper Award Committee
 1991 - Vice-President and founding member, Oconee Audubon Society
 1988 - President, Nebraska Herpetological Society

COMMUNITY SERVICE

Task Force Member, City of St. Joseph Stormwater Advisory Panel, (February 2016 - Present).
 Member, Faith In Action, building wheel-chair ramps and other projects in St. Joseph (January 2012 - Present).

TECHNICAL TRAINING AND OTHER EXPERIENCE:

2015 – FWS Off-Road Utility Vehicle Safety Training (ORUV) ATV/UTV, U.S. Department of the Interior Fish and Wildlife Service. (May 28, 2015 - Present).

2009 – Introduction to Global Positioning Systems for Mapping and Navigation, Missouri Western State University, Jan. 6-8.

1993 - US Forest Service S-390 Fire Behavior Course

1993 - Nature Conservancy/Tall Timbers Research Station Workshop on Ecological Burning

1991 - US Coast Guard Boating Skills and Seamanship Course

Other: -Proficient with small boats (<21 ft) and air boats
-Backpack and boat-mounted electroshockers
-Radiotelemetry

PROFESSIONAL ASSOCIATIONS:

Sigma Xi (associate member)

Missouri Academy of Science

Society for the Study of Amphibians and Reptiles (SSAR)

Herpetologists' League (HL)

American Society of Ichthyologists and Herpetologists (ASIH)

Missouri Herpetological Association

Kansas Herpetological Society

The Wildlife Society

Council on Undergraduate Research

MANUSCRIPT/TEXTBOOK REVIEWS:

Herpetology (3rd ed.) by Pough et al.

American Midland Naturalist

Southeastern Naturalist

Herpetologica

Journal of Herpetology

Copeia

Southeastern Naturalist

Transactions of the Missouri Academy of Science

Draft Recovery Plan for the Desert Tortoise - 1993

CONSULTING:

Van Meter State Park (Fall 2002) – asked to review material for interpretive signs to be placed along trails and a boardwalk into the marsh.