

Curriculum Vita

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EMPHASIS: Integrating molecular systematics in species conservation and stewardship

EDUCATION:

1991-1995	Ph.D.	Genetics	Wildlife & Fisheries Sciences/Animal Science, Texas A&M University
1989-1991	M.Sc.	Zoology	Department of Biology, Sul Ross State University
1983-1988	B.Sc.	Zoology	Department of Biology, Southwest Texas State University

ACADEMIC APPOINTMENTS:

2013-Present	Regent's Professor, Texas State University, by the Board of Regents of the Texas State University System, Austin, TX 78701
2013-Present	University Distinguished Professor, Texas State University, San Marcos, TX 78666-4685
2011-Present	Professor of International Studies, by the Center for International Studies, Texas State University, San Marcos, TX 78666-4685
2008-Present	Alexander-Stone Chair of Genetics, Texas State University, San Marcos, TX 78666-4685
2007-Present	Research Associate, Museum of Texas Tech University, Lubbock, TX, 79409
2007-Present	Professor, Department of Biology, Texas State University, (Early promotion)
2005-Present	Texas State Curator of Vertebrate Collections, Texas State University, San Marcos, TX
2003-2012	Visiting Research Associate, Texas Cooperative Wildlife Collection, Department of Wildlife and Fisheries Sciences, TAMU, College Station, TX, 77843-2258
2003-2007	Associate Professor, Department of Biology, Texas State University, (Early promotion)
1999-2003	Assistant Professor, Department of Biology, Southwest Texas State University, San Marcos, TX, 78666-4685
1997-1999	Assistant Professor, Division of Science, Department of Biology, Florida Atlantic University, Davie, FL, 33314-7714
1995-1997	Post-Doctoral Research Officer, Center for Environmental Research and Conservation, Columbia University, New York, NY, 10115-1245
1994	Assistant Instructor, Field Vertebrate Zoology and Ecology, Texas A&M University, College Station, TX (conducted in Mexico)
1993-1995	Teaching Assistant, Herpetology and Field Herpetology, Texas A&M University
1992-1995	Microcomputer Information Systems Manager, Texas Cooperative Wildlife Collection, Department of Wildlife and Fisheries Sciences, Texas A&M University
1991-1995	Research Assistant, Department of Animal Science, Texas A&M University
1991-1994	Teaching Assistant, Undergraduate Genetics, Texas A&M University
1989-1991	Research Assistant, Department of Biology, Sul Ross State University

TEACHING EXPERIENCE:

2004-present	Undergraduate: Genetics, Undergraduate Research Graduate: Doctoral Seminar, Herpetology, Molecular Field Techniques, Phylogenetic Methods, Research Experience, and Special Topics/Problems
1999-2004	Undergraduate: Biosystematics, Entomology, Evolution & Genetics, Genetics,

Herpetology, Undergraduate Research, and Zoology
 Graduate: Entomology, Herpetology, Molecular Genetics, Phylogenetic Methods,
 and Special Topics in Biology/Aquatic Resources
 1997-1999 Undergraduate: DNA Biotechnology, Genetics, Intermediate Microbiology,
 Molecular Genetics, Evolution, and Undergraduate Directed Independent Studies
 1995-1997 Graduate: Conservation Genetics, Evolution, Molecular Laboratory Techniques,
 Phylogenetic analyses, and Systematics.
 1991-1994 Undergraduate: Field Herpetology, Field Zoology, Genetics, and Herpetology
 Graduate: Field Herpetology, Field Zoology, and Herpetology

HONORS and AWARDS:

Recipient, Elbert K. Fretwell Outstanding Educator Award, Capitol Area Council, Boy Scouts of America 2021.
 Recipient, Presidential Developmental Leave supplemental award (~\$65,000). 2016-2017.
 Regent's Professor, Texas State University, by the Board of Regents of the Texas State University System, Austin, TX 78701, Nov 8, 2013-to present (\$5,000).
 University Distinguished Professor, Texas State University, San Marcos, TX & the Texas State University System, 2013-to present (\$5,000).
 Endowment for Collaborative studies with the Royal University Phnom Penh. 2012-2032 (\$100,000 & \$50,000 TRIP funds).
 Professor of International Studies (Honorary title). 2011-2017, on a 3 year review, renewal cycle.
 Presidential Award for Excellence in Scholarly/Creative Activities (Associate/Full Professor level) 2010. Texas State University, San Marcos, TX. (\$5,000).
 Recipient, Presidential Developmental Leave supplemental award (~\$40,000). 2010-2011.
 Endowed Chair of Genetics (Alexander-Stone Chair), Texas State University. 2008-2014.
 Professor of International Studies (Honorary title). 2008-2011.
 Biography published in Who's Who in America. 2009.
 Biography published in Marquis Who's Who 2008-2009.
 Biography published in Who's Who among American teachers and educators. 2007.
 Excellence in Scholarly/Creative Activities. 2007. San Marcos Chamber of Commerce Education Committee. San Marcos, TX.
 Department of Biology representative, Texas State University Ambassadors Council 2006.
 Presidential Award for Excellence in Scholarly/Creative Activities (Associate/Full Professor level) 2006. Texas State University, San Marcos, TX. (\$5,000).
 Outstanding Achievement in Academics. 2002. San Marcos Chamber of Commerce Education Committee. San Marcos, TX.
 SWTSU Presidential Award for Excellence in Scholarly/Creative Activities (Assistant Professor level), 2001 Southwest Texas State University. San Marcos, TX. (\$5,000).
 Outstanding graduate biology student, 1989-1990, Department of Biology, Sul Ross State University.
 Outstanding college student, 1988, Outstanding college students of America, Washington, D.C. 2005.

RESEARCH EXPERIENCE:

Texas State University 2015 to the present
 Population viability assessment Dune Sagebrush lizard (*Sceloporus arenicolus*)
 Amphibian chytrid fungus state-wide field surveys
 Chagas disease in central Texas
Mycobacterium sp. in amphibians and field sites within the habitat of the Houston toad
 Genetic integrity of captive *Crocodylus siamensis* in Cambodia
 Automated audio recorders in amphibian conservation
 Houston toad survivorship in restored native prairie landscapes

Satellite telemetry of *Pseudemys gorzugi*; survey in New Mexico
 Juvenile emydid survivorship in wild enclosures
 Texas State University 2011 to 2014
 Oil and gas construction and options for endangered species conservation
 Disaster recovery and endangered species management
 Sustainable agriculture for landscapes overlying karst systems
 Endangered species management in the face of catastrophic fire
 Vertebrate recovery options and approaches in disaster recovery
 Chytrid fungus in Cambodia
 Road ecology for Texas reptile and amphibians
 Conservation planning in Red panda (*Ailurus fulgens*)
 Range expansion and population genetics White-winged Dove (*Zenaida asiatica*)
 Status of freshwater turtles in Texas
 Texas State University 2007 to 2010:
 Gharial (*Gavialis gangeticus*) recovery planning
 Disease prevalence among Central Texas salamanders and other amphibians
 Status review of the Houston toad
 Habitat restoration in the Houston toad
 Predictive GIS modeling with range wide surveys tests of the model for the Houston toad
 Genomics in Asian Sea Bass
 Population genetics of the Houston toad
 Conservation genetics of *Cuora flavomarginata*
 Population genetics of *Myotis velifer* in Texas
 Texas State University: 2003 to 2006:
 Recovery planning for the Houston toad from ecology and habitat management
 Canopy ecology of the Upper Amazon Basin, Ecuador
 Chuckwalla (*Sauromalus sp.*) captive population genetics
 Contextual population genetics of the Concho watersnake (*Nerodia harteri*)
 Mitochondrial introgression in the Big Bend Slider (*Trachemys gaigeae*)
 Population genetics in the Roti Island snakeneck (*Chelodina mccordi*)
 Population genetics of the giant river terrapin (*Batagur baska*)
 Genetic structure in Malaysian horseshoe crabs (*Tachypleus gigas*)
 Genetics of the American crocodile (*Crocodylus acutus*)
 Distribution and status of *Pseudemys gorzugi* in Texas
 Southwest Texas State University 1999 to 2003:
 Ecology of the endangered Houston toad (*Bufo houstonensis*)
 Systematics of Texas shrews genus *Blarina*
 Eukaryotic gene family evolution and constraints
 Asian turtle conservation genetics and phylogenetics
 Field biology and molecular identification of endangered *Bufo houstonensis* tadpoles
 Molecular identification of unknown biofilm components
 Characterization of *alpha*-actinin gene species alongside potentially novel forms
 Genetic evaluation of the Malagasy lemurs
 Population genetics of *Malaclemys* terrapin in coastal Texas
 Reptile biogeography in the Chihuahuan desert of Texas
 Florida Atlantic University 1997 to 1999:
 Assessment of *Crotalus adamanteus* population on Raccoon Key
 Population surveys/genetics of *Malaclemys terrapin*, in FL and TX
 Population surveys/genetics of the Big Bend Slider, *Trachemys gaigeae*, in TX and NM
 Nuclear gene/mtDNA phylogeny for extended squamate genera and families
 Conservation genetics in the endangered Cuban crocodile, *Crocodylus rhombifer*

Columbia University 1995 to 1997:

Molecular evolution and population genetics of new and old world primates utilizing alternative DNA sources, including ancient/alternative templates in phylogenetic analyses
Conservation genetics of the Malaysian mouse deer, *Tragulus sp.*
Conservation genetics in the beaded lizards *Heloderma horridum* and *H. suspectum* utilizing mitochondrial DNA and nuclear microsatellite markers

Texas A&M University 1991 to 1995:

Molecular evaluation of Squamate reptile phylogeny utilizing mitochondrial DNA sequence data
Mitochondrial DNA sequencing; nuclear microsatellite marker development for Crocodylia, Helodermatidae, Pythonidae, Colubridae, Emydidae, Chelidae, and the lizard, *Cnemidophorus*
Restriction site mapping of the entire mitochondrial DNA and PCR-generated templates in the bat genus *Rhogeessa*
Houston toad presence/absence surveys – Bastrop County, Texas

Sul Ross State University 1989-1991:

Molecular variation in whole venom components
Occurrence, habitat, and activity patterns of Chihuahuan Desert reptiles and amphibians

FIELD EXPERIENCE:

Texas State University:

- 2015-present Management and avoidance strategies for endangered species in the USA, *Graptemys caglei* occurrence, *Pseudemys gorzugi* telemetry in Texas with survey in New Mexico, *Sceloporus arenicolus* assessment
- 2010-2015 Oil and gas industry options within endangered species habitat; *Eurycea* occurrence, ecological parameters, and population trends; Disaster recovery management for vertebrate survivorship; Surveys and evaluation of *Sceloporus arenicolus* in Texas; Assessment for conservation genetic capacity building in Cambodia;
- 2007-2010 Range wide surveys for the Houston toad; *Phrynosoma cornutum* population genetics; *Myotis vellifer* range wide genetics survey; Ecosystem salmonellae ecology; Surveys, assessment and management strategies for freshwater turtles in Texas; large scale *Bd* sampling, TX
- 2003-2006 Field surveys of *Nerodia harteri*, *Pseudemys gorzugi* population surveys, relict *Blarina* populations in Texas, herpetofauna of Tamaulipas, Mexico. Canopy surveys and vertebrate surveys, Upper Amazon Basin, Ecuador

Southwest Texas State University:

- 2002 Herpetofaunal collections, south Texas, Nyctaginaceae collections, Texas
- 2001 Field surveys, habitat use for *Bufo houstonensis*, *Pseudemys gorzugi*, Texas
- 2000 Field surveys for *Bufo houstonensis*, *Crotalus lepidus*, and *Phrynosoma*, Texas

Florida Atlantic University:

- 1999 Vertebrate survey Malaysia, *Crotalus* surveys in the Florida Keys
- 1997-1998 *Malaclemys terrapin* population survey in Florida Bay and the Florida Keys; *Trachemys gaigeae* collection, field survey, and genetics in TX and NM

Columbia University:

- 1996 Field team leader, biodiversity surveys across Sumatra, Java, Borneo, and Sulawesi

Texas A&M University:

- 1995 Ecological survey for *Bufo houstonensis*, Bastrop Co. Texas

- 1994 Population surveys and DNA sample collection of Galapagos tortoise, *Geochelone elephantopus*. Galapagos, Ecuador
- 1994 Field biodiversity surveys in northern Mexico, El Cielo forest reserve
- 1992-1995 Herpetological survey of an eastern hardwood forest in Tyler Co., Texas

Sul Ross State University:

- 1990 Mammal diversity survey of the Van Horn Mountains, Hudspeth Co., Texas
- 1990 Biodiversity survey of the Rosillos addition, Big Bend National Park
- 1989-1994 Extensive field work with *Crotalus lepidus* in the southwest U.S.

Southwest Texas State University:

- 1988-1989 Field surveys of reptiles in the Trans-Pecos region, Texas and Mexico

GRANTS AND AWARDS: 153 totaling \$34,850,640 (avg ~1,400,000/yr or ~220,000/award)

2022 1,188,059_1

Forstner, M.R.J. (in review) Jan 22-Aug 22. Houston toad monitoring and avoidance measures Austin to Lissie. Fiberlight \$764,224

Mays, S., A. Jesudason, and M.R.J. Forstner. (contracting) May 22-Dec 24. Houston toad management and recovery. Recovery Challenge award, USFWS. \$1,188,059

2021 827,021_4

Forstner, M.R.J. Sept 21-Aug 23. Endangered Species Act (ESA) compliance and avoidance monitoring during construction and maintenance operations, with monitoring for future projects. TXDoT \$640,775

Forstner, M.R.J. May 21-Dec 22. Prescribed Fire habitat recovery on the Griffith League Ranch 2021. Section 6 funding program, USFWS/TPWD \$50,191

Forstner, M.R.J. May 21-Aug 22. TPWD USFWS Houston toad habitat restoration on the Griffith League Ranch. Landowner Incentive Program, USFWS/TPWD \$46,930

Forstner, M.R.J. May 21-Dec 21. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad Gotier Trace. Bastrop County/FEMA \$89,125

2020 2,130,000_2

Forstner, M.R.J. Feb 2020-Dec 2026. Houston toad captive and wild population disease investigations I. Kinder Morgan, Corp. Research donation and TRIP Match 1,005,000 + 750,000

Forstner, M.R.J. Aug 2020-Aug 2027. Houston toad captive and wild population disease investigations. Kinder Morgan, Corp. Research donation and TRIP Match 250,000 + 125,000

2019 5,829,158_11

Forstner, M.R.J. Dec 19-Aug 20. Monitoring, for compliance with Houston toad requirements in near real-time, Colorado County. Kinder Morgan \$21,170

Mali, I. and M.R.J. Forstner. Oct 19-Sept 21. Assessment of occupancy of the Rio Grande Cooter (*Pseudemys gorzugi*) within the Pecos River in New Mexico and Texas. NFWF \$150,000

Forstner, M.R.J. Aug 19-Oct 20. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey: Task 6 Tahitian Ingress. Bastrop County/FEMA \$320,929.35

Forstner, M.R.J. Aug 19-Oct 20. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey: Task 5 NRCS Debris. Bastrop County/FEMA \$157,484.04

Forstner, M.R.J. Aug 19-Oct 20. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey: Task 4 Green Valley Reconstruction. Bastrop County/FEMA \$205,947.90

Forstner, M.R.J. Aug 19-Oct 20. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey:

Task 3 Bowie. Bastrop County/FEMA \$37,685

Forstner, M.R.J. Aug 19-Oct 20. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey: Task 2 O'Grady. Bastrop County/FEMA \$37,685

Forstner, M.R.J. July 19-Oct 20. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey: Task 1 Green Valley. Bastrop County/FEMA \$12,346

Forstner, M.R.J. Feb 2019-Dec 2026. Houston toad (*Bufo houstonensis*) haplotype assessment of wild juvenile bufonids. Targa Resources Corp. Research donation. \$50,000

Forstner, M.R.J. Sept 19-Aug 21. Endangered Species Act (ESA) compliance and avoidance monitoring during construction and maintenance. TXDoT \$825,912

Forstner, M.R.J. Feb 2019-Dec 2026. Houston toad population supplementation and wild population stewardship. Targa Resources Corp. Research donation and TRIP Match 2,005,000 + 2,005,000

2018 **1,110,380_6**

Serenari, C., K. Daniel, and M.R.J. Forstner. Jan 19-Aug 19. Investigating determinants influencing recruitment into Houston toad safe harbor agreements. Conservation License Plate program, TPWD \$29,127.

Forstner, M.R.J. Jan 2018-Dec 2025. Houston toad conservation stewardship and recovery research. Bastrop County Utilities HCP research fund \$300,000 (200,000 Research donation + 100,000 TRIP Match)

Forstner, M.R.J. Apr 18-Mar 19. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey. Bastrop County/FEMA \$168,430

Hardy, T., J. Jensen, and M.R.J. Forstner Jan 18-Dec 19. *Sceloporus arenicolus* status and monitoring program design, testing, and implementation II. \$550,823

Mali, I. and M.R.J. Forstner. Feb 18-Jan 19. Phase III: Demography of Western River Cooter (*Pseudemys gorzugi*) population within the Black River Drainage. Share with Wildlife Program, New Mexico Game and Fish Department. \$32,000

Forstner, M.R.J. Jan 18- July 19. Monitoring of the Houston toad, Bastrop State Park. TPWD \$30,000

2017 **1,725,889_8**

Forstner, M.R.J. July 17-Jan 18. Houston toad research and monitoring requirements during federal roadway (Piney Trail) creation for egress. Bastrop County/GLO/FEMA \$59,687.

Forstner, M.R.J., P. Crump, S. Sirsi, and D. Foley III. Sept 17-Aug 19. Reproductive Biology of the Rio Grande Cooter (*Pseudemys gorzugi*) in Texas. TPWD State Wildlife Grant Program \$93,722

Rodriguez, D.R. and M.R.J. Forstner. Sept 17-Aug 19. Comparing capture methods, estimating genetic diversity, and assessing disease risk for effective monitoring and conservation of *Nerodia harteri*. TPWD State Wildlife Grant Program \$153,177

Forstner, M.R.J. Apr 17-Mar 20. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements in the southern region for AT&T. AT&T \$342,495

Forstner, M.R.J. Mar 17-July 17. Biological monitoring for Houston toad and migratory bird nesting during fuel reduction operations on the Welsh Tract. Bastrop County \$24,013

Forstner, M.R.J. Feb 17- July 17. Federally permitted monitoring of Houston toad, Bastrop State Park. FEMA/TPWD \$67,406

Forstner, M.R.J. Apr 17-Aug 19. Endangered Species Act (ESA) compliance and avoidance monitoring during construction and maintenance. TXDoT \$950,299

Mali, I. and M.R.J. Forstner. Jan 17-Jan 18. Phase II: Demography of Western River Cooter (*Pseudemys gorzugi*) population within the Black River Drainage. Share with Wildlife Program, New Mexico Game and Fish Department. \$35,000

2016 **1,524,485_7**

Forstner, M.R.J. Dec 16-Jun 17. Houston toad management during fire recovery efforts, MD Anderson phase II. \$52,028.

Hardy, T. and M.R.J. Forstner. Oct 16-Dec 19. *Sceloporus arenicolus* status and monitoring program design, testing, and implementation. Texas Comptroller \$936,109

Forstner, M.R.J., S.M. McCracken, and D. Rodriguez. Feb 16-Dec 16. Management of Houston toads during forest thinning and fuel management operations (renewal). Raven Environmental/FEMA (\$60,476).

McCracken, S.F. and M.R.J. Forstner. Sept 16-Aug 18. Houston Toad recovery: A comprehensive monitoring, evaluation, and support program for head-start success. USFWS/TPWD \$167,841

Forstner, M.R.J. and S.F. McCracken. Jan 16-Apr 16. Bastrop County Hidden Pines fire recovery. Bastrop County \$48,031

Forstner, M.R.J. Jan 16-Dec 18. Houston toad occurrence among northern tier geologies with assessment of habitat north of known locations. Kiewit Mining Group, Inc. \$225,000 (\$150,000+75,000 TRIP match)

Mali, I. and M.R.J. Forstner. Jan 16-Jan 17. Assessment of Rio Grande River Cooter (*Pseudemys gorzugi*) populations within the southern Pecos River and tributaries in New Mexico. Share with Wildlife Program, New Mexico Game and Fish Department. \$35,000

2015 **1,059,095_7**

Bonner, T., A. Schwalb, and M.R.J. Forstner. Sept 15- Nov 16. Detection and habitat assessments for endangered aquatic species in Texas II. TXDOT (\$90,000)

Forstner, M.R.J. and S.M. McCracken. Jun 15-Aug 17. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements in the southern region for AT&T. AT&T (\$114,165)

Forstner, M.R.J. and S.M. McCracken. May 15-Aug 17. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements. AT&T (\$114,165)

Schwalb, A., D. Rodriguez, T. Hardy, and M.R.J. Forstner. Sept 15-Sept 18. Evaluating the Effectiveness of Freshwater Mussel Mitigation Strategies. TXDOT (\$266,442)

Foley, D.H. and M.R.J. Forstner. Sept 15-Aug 19. Population dynamics of the Rio Grande river cooter (*Pseudemys gorzugi*) in a lotic system. TPWD (\$116,143)

Forstner, M.R.J. and S. McCracken. Mar 15-Dec 17 Minimization and avoidance measures, monitoring, and autonomous audio surveys for the Houston toad. Benchmark Environmental (\$158,180)

Forstner, M.R.J. Apr 15-May 17. Evaluation of fuel reduction treatments for healthy communities and forests in the Lost Pines of Texas. Bastrop County (\$200,000)

2014 **3,055,491_12**

Forstner, M.R.J., S.M. McCracken, and D. Rodriguez. Oct 14-Jan 16. Management of Houston toads during forest thinning and fuel management operations. Raven Environmental/FEMA (\$62,500).

Xiao, C., et al. (M.R.J. Forstner, S. M. McCracken, D. Rodriguez, and D. Hahn as senior personnel) 2014-2018. CC*IIIE Networking Infrastructure: Enabling and Improving Data-Driven Research at Texas State University. NSF (\$499,896). (not included within summative totals)

Forstner, M.R.J., McCracken, S.M., and D. Rodriguez. July 14-Mar 15. Detecting occurrence of Houston toads in Robertson County with development of avoidance and minimization measures for energy industry exploration and production. Benchmark, Inc. (\$691,671)

Forstner, M.R.J., S. McCracken and D. Rodriguez. Sept 14-Aug 16. Testing habitat recovery options for the Houston toad in Bastrop State Park, Bastrop, TX. (\$42,184)

Forstner, M.R.J. Jun 14-Feb 16. Biological monitoring for Houston toad and migratory bird nesting during fuel reduction operations on the Welsh Tract. Bastrop County (\$10,000)

Bonner, T., A. Schwalb, and M.R.J. Forstner. Jun 14- Sept 15. Detection and habitat assessments for endangered aquatic species in Texas. TXDOT (\$90,000)

Forstner, M.R.J. Apr 14-Apr 19. Research seeking to enable Houston toad recovery from drought and catastrophic wildfire. Magellan, Inc. (\$777,750: 518,500+259,250 TRIP match).

Forstner, M.R.J. Jan 14-Dec 16. Understanding and mitigating wildlife motorist interactions. TXDOT (\$453,987).

Forstner, M.R.J. Jan 14-Dec 16. Target and nontarget arthropod outcomes from Fire Ant control methods

during roadway construction. TXDOT (\$405,911).

Rossignol, T., E. Erfling, P. Najvar, J. Hill, M. Morrow, and M.R.J. Forstner. Aug 14-Aug16. Red imported fire ant control to increase survival of Attwater's prairie-chicken broods and Houston toads. USFWS (\$310,060)

McCracken, S., D. Rodriguez and M.R.J. Forstner. Jan 14-Aug 14. Using an extensively documented and validated habitat suitability model for conservation management of the Texas tortoise, *Gopherus berlandieri*, defining its status in the coastal prairies and eastern range. TPWD (\$61,428).

Rodriguez, D. and S. McCracken, (Forstner, M.R.J. as Project Director). Jan 14-Dec 14. Houston toad management and recovery options during roadway repair and fire restoration in Bastrop County. Bastrop County (\$150,000).

2013 (1,767,989; \$1,467,989+300,000 TRIP)_9

Forstner, M.R.J. and D.J. Brown. July 13- Aug 14. Houston toad occupancy testing post-catastrophic wildfire. USFWS/TPWD (\$64,672)

Forstner, M.R.J. June 13-May 14. Houston toad management during recovery and rebuilding activities for homesites in the Bastrop Complex Fire zone. Texas General Land Office (\$275,000)

Forstner, M.R.J. Mar 13-Feb14. Houston toad management options during drainage restoration actions in Bastrop County. NRCS (\$97,632)

Forstner, M.R.J. Mar 13-Feb14. Houston toad management options during right of way restoration actions in Bastrop County. Bastrop County (\$29,976)

Forstner, M.R.J., V. Elliott, and D. Hahn. Jan 13-Sept14. Capacity Development for Systematic Monitoring and Integrated Science for the TLS, Mekong and 3S Rivers, Cambodia. Margaret A. Cargill Foundation (\$500,000; \$320,000 +180,000 TRIP eligible matching dollars).

Venumbaka, R. and D. Hahn (M.R.J. Forstner Project Director). Mar 13- Jun 13. Detecting occurrence of Houston toads in Colorado County with development of avoidance and minimization measures for pipeline operations. Inergy, Inc. (\$246,890)

Rahe, H., M.R.J. Forstner, and D. Hahn. Feb 13-Aug 15. Science based sustainable agriculture support at Texas State University. USDA (\$138,471).

Forstner, M.R.J., J. Tomasso, and D. Hahn. (Feb 13-Aug 15). Detection of density abundance, stress, and disease in the Jollyville Salamander. Williamson County (\$360,019; \$240,019 + 120,000 TRIP)

Yates, J., M. Longoria, C. Harper, and M.R.J. Forstner. Jan 13-Jan14. Management and habitat recovery options for Lost Pines habitats of the Houston toad present on the Griffith League Ranch, Bastrop County, Texas. Land owner incentive program TPWD/Partners in Wildlife USFWS (\$55,329)

2012 (\$2,731,380)_8

Forstner, M.R.J. Sept 12-Aug 15. Applications of molecular genetics to applied conservation problems in terrestrial and aquatic ecosystems. Office of the Vice President for Research, Research Opportunities Award, Texas State University (\$100,000).

Forstner, M.R.J., M. Jones and D. Hahn. (Aug 12-Aug15). Testing habitat restoration options in the Houston toad (*Bufo houstonensis*) within the aftermath of the Bastrop County Complex Fire. USFWS/TPWD (\$142,372).

Castro-Arellano, I., C. Gaedicke, D. Hahn, C. Green, and M.R.J. Forstner. Sept 12-Aug14. Contribution of bridge dwelling birds to bacterial water quality impairments. TXDOT (\$388,284)

Tomasso, J. and Forstner, M.R.J. (Project director) May 12-July 13. Bastrop County emergency response research: Houston toad occurrence and management options. Bastrop County, TX. Bastrop County/FEMA (\$63,009)

Forstner, M.R.J., D. Lemke, and D. Hahn. Jan 12-Dec 14. Vertebrates and vegetation along historic riparian corridors of Lone Man Creek. Fowler Family (\$27,530).

Forstner, M.R.J., D. Hahn, and D. Lemke. Jan 12-Dec 14. Vertebrates and vegetation along historic riparian corridors of Lone Man Creek II. Pier Family (\$7,944).

Tomasso, J. & Forstner, M.R.J. (Project director) Feb 12-Aug13. Evaluation and minimization of Houston toad interactions during Federal Highways operations, Bastrop County, TX. TXDOT/Federal Highways Administration (\$216,329)

Tomasso, J. & Forstner, M.R.J. (Project director) Feb 12-May 13. Evaluation and minimization of Houston toad interactions during FEMA operations, Bastrop County, TX. Dewberry/FEMA (\$1,785,912)

2011 **(\$398,201)_4**

Forstner, M.R.J. Nov 11-Aug 12. Bastrop Complex Fire recovery funding addressing research infrastructure in Bastrop County. Office of the Vice President for Research, Research Opportunities Award, Texas State University (\$7,000)

Forstner, M.R.J. and D. Hahn. Jan 11-Aug 13. Houston toad (*Bufo houstonensis*) response to habitat recovery efforts, Bastrop State Park, Bastrop, Texas. TPWD (\$104,196)

Forstner, M.R.J. and D. Hahn. Feb 11-Nov 15. Assessing connectivity and highway infrastructure permeability in the Houston toad. USFWS/TXDOT. \$117,703

Forstner, M.R.J. and D. Hahn. Feb 11-Nov 15. Primary and secondary outcomes of fire ant management within Houston toad habitat. USFWS/TXDOT. \$169,302

2010 **(\$687,599)_4**

Forstner, M.R.J., P. Crump and D. Hahn Sept 2010-Aug 2012. Population supplementation: a proven means toward endangered species recovery for the Houston toad. USFWS/TPWD. (\$311,559)

Hoth, D., P. Crump, D. Hahn and M.R.J. Forstner. Jan 11-Dec 12. Range-wide Houston toad conservation *ex situ* operations. USFWS (189,040)

Mahato, N. and M.R.J. Forstner. Jan 10-Mar 10. Red Panda habitat suitability in Nepal from GIS analysis of the environmental correlates of known detection observations. Houston Zoo, Inc. (\$1,000)

Forstner, M.R.J. Jan 2010-Dec 2010. Leveraging critical genomics hardware into future research success at Texas State University. Texas State University, Associate Vice President for Research, Presidential initiative fund. (\$186,000)

2009 **(\$1,436,535)_7**

Musgrave, D., D. Wolfe, M. Gaston, and M.R.J. Forstner. Jan 10-Dec 11. Houston toad habitat improvement: Musgrave Property. Landowner Incentive Program, Texas Parks and Wildlife Department. (\$4,800)

Nava, P., D. Wolfe, M. Gaston, and M.R.J. Forstner. Jan 10-Dec 11. Houston toad habitat improvement: Nava Property. Landowner Incentive Program, Texas Parks and Wildlife Department. (\$8,555)

Rust, D., M. Gaston, M.R.J. Forstner and D. Wolfe. Jan 10-Dec 11. Houston toad habitat improvement: Rust Property. Landowner Incentive Program, Texas Parks and Wildlife Department. (\$28,290)

Riger, P., P. Crump and M.R.J. Forstner. May 2009-Dec 2010. Houston toad (*Bufo houstonensis*) head-starting program: *Mycobacterium* outbreak supplemental. USFWS. (\$45,000)

Wolfe, D. and M.R.J. Forstner July 2009-Aug 2013. Forest Restoration and Enhancement in the Lost Pines Ecosystem with an Emphasis on Recovery of the Houston Toad. Cooperative Conservation Partnership Initiative, USDA. (\$1,148,331)

Forstner, M.R.J. and D.J. Brown. Jan 2010-Dec 2012. Fine scale effects of prescribed fire on the Lost Pines ecosystem. USFWS/TPWD. (\$182,559)

Riger, P., P. Crump and M.R.J. Forstner. July 2009-Dec 2010. Houston toad (*Bufo houstonensis*) head-starting program. Mohamed bin Zayed Species Conservation Fund. (\$19,000)

2008 **(\$2,621,161)_9**

Forstner, M.R.J. Dec 08-Dec 12. Gharial recovery planning and critical needs assessment. Batchelor Foundation (\$100,000)

Krejca, J. and M.R.J. Forstner. Dec 08-Aug 11. Biological inventory and monitoring at Jacobs Well. Coyup Foundation Trust/Texas River Systems Institute. (\$60,000)

Forstner, M.R.J., J.R. Dixon, J.H. Yantis, and J.S. Hatfield. Nov 08-Aug 09. Status review of the Houston toad. USFWS/TPWD. (\$53,343)

Jackson, J., J.R. Dixon, and M.R.J. Forstner June 08-Dec 08. Monitoring of Big Bend slider populations using mark-recapture in Big Bend National Park. NPS. (\$3,600)

Forstner, M.R.J., D. Wolfe, M. Snyder, and D. Hahn. Jan 08-Dec 11. The Effects of Fire and Other Habitat Manipulations on the Houston Toad (*Bufo houstonensis*) emphasizing removal of fire suppression in occupied habitat. Utilities Houston toad conservation committee. (\$962,024)

- Forstner, M.R.J., R. Simpson, Y. Zhang, and D. Hahn. Mar 08-Dec 13. Assessing freshwater turtle populations and consequences of harvest regimes across Texas. TPWD (\$996,271)
- Forstner, M.R.J. and D. Hahn. Feb 08-Dec 09. Recovery of species imminently threatened by extinction: the Houston toad. USFWS (\$168,146)
- Forstner, M.R.J., M.C. Green, and M. Fonstad. Jan 08-Dec 08. GIS model assessment of the Houston toad for areas of scheduled bridge replacements. TXDOT. (\$46,423)
- Riger, P., M.R.J. Forstner, D. Hahn, D. Wolfe, P. Crump, and S. Mays. Sept 2008-Jan 2012. Lost Pines private land stewardship supporting high priority species integrating both *in situ* and *ex situ* conservation projects. TPWD/USFWS (\$231,354)
- 2007** **(\$1,194,331)_6**
- Hudson, R., M.R.J. Forstner, D. Hahn, M. Chumchal, R. Drenner, and T. Rainwater. 2007. Oct 07-Dec 09. Freshwater turtle trends in the Rio Grande/Rio Bravo and Brazos basin evaluating abundance and bioaccumulation. USDA/TPWD (\$53,346)
- Forstner, M.R.J. Mar 07-Dec 13. Houston toads at the headwaters of Alum creek. D. Musgrave family. (\$16,500)
- Adnan, A.M., K.T. Ariffin, M.R.J. Forstner, S.A. Harmin, I. Ishak, R.N. Lah, W.K. Lian, R. Mohamed, S.A.M. Nor, A.S. Othman, and D.N. Sin. Jan 07-Aug 09. Asian Sea bass Genomics and Genetics. TOP-DOWN Biotechnology project, National Biotechnology Division, Malaysia. (\$1,031,015)
- Hahn, D. and M.R.J. Forstner. Jan 07-Dec 08. Chytrid fungus risks to Central Texas endangered amphibians. Texas State University REP program. (\$15,462)
- McCracken, S.F. (M.R.J. Forstner). Sept 07-Sept 10. Vertical stratification and ecological niche partitioning of amphibians and arthropods in rainforest canopies of Amazonian Ecuador. National Science Foundation Graduate Research Fellowship. (\$131,500) (NSF STUDENT FELLOWSHIP Administered by MRJF at Texas State necessitated by University Rules)*
- 2006** **(3,620,935)_8**
- Forstner, M.R.J. Sept 06-Aug 09. Houston toad metapopulation assessment and genetics: data necessary for effective recovery strategies in a significantly fragmented landscape. USFWS/TPWD Section 6 Grant E-76 (\$177,820)
- Forstner, M.R.J. Jun 06-Nov 11. Landscape scale fire ant management effects on arthropod diversity within Houston toad habitat. USFWS/TXDOT. (\$423,686)
- Forstner, M.R.J. Jun 06-Sept 07. Habitat improvements for Endangered species: Rattlesnake Cave. (\$10,000)
- Rodriguez, D. and M.R.J. Forstner. June 06-Aug 06. Predoctoral fellowships in Science for underrepresented minorities. Texas State University. (\$11,000)
- Forstner, M.R.J. Mar 06-Dec 09. Habitat and herpetology of South Shore Woods. Pines and Prairies Land Trust. (\$9,000)
- Forstner, M.R.J. Feb 06-Dec 10. Student conservation stewardship award for Houston toad research. Bluebonnet Electric. (\$64,781)
- Forstner, M.R.J. Jan 06-Nov 11. Houston toad habitat: effects of modifications on highway underpasses on vertebrate travel and mortality. USFWS/TXDOT. \$424,248 to Texas State. Project total as sole PI (\$2,924,248)
- Forstner, M.R.J. Apr 2006-Dec 2009. Population structure of *Heloderma horridum charlesbogerti*. ASDM (\$1,300)
- 2005** **(480,832)_6**
- Wolfe, D. and M.R.J. Forstner. Jul 05-Dec 06. Conservation of the Houston toad on private lands in Bastrop County, Texas. Environmental Defense/National Fish and Wildlife Foundation. (\$47,074)
- Hahn, D. and M.R.J. Forstner. Aug 05-Aug 07. Incidence and prevalence of chytrid fungus in central Texas. Braun and Associates, Inc. Austin, TX. (\$8,600)
- Forstner, M.R.J. and T. R. Simpson. May 05-June 06. Prescribed fire in the Lost Pines: Effects on small mammal fauna of Bastrop State Park. Texas Parks and Wildlife Department. (\$8,500)
- Forstner, M.R.J., C. Nice, and D. Hahn. Mar 05-Nov 06. Integrating genomics CE laboratory hardware and fluidics automation within undergraduate and graduate coursework in the Department of Biology,

Texas State University|San Marcos. Beckman-Coulter, Inc. (\$244,795)

Forstner, M.R.J. and J.R. Dixon. April 05-Dec 06. Conservation genetic evaluation of *Nerodia harteri* and population status of the snakes in the Colorado and Brazos river systems using state of the art molecular markers and analyses. United States Fish and Wildlife Service. (\$97,783)

Forstner, M.R.J. March 2005-Sept 2007. Introgressive threats to native turtle fauna, *Trachemys gaigeae*. National Park Service. (\$67,000)

2004 (8,600)_2

Forstner M.R.J. May 2004-Dec 2004. Tadpole DNA Analysis 2004. Loomis Austin, Inc. (\$500)

Forstner, M.R.J. Jan 2004-Aug 2006. Management of Houston toads on Private lands. Environmental Defense, Plateau Environmental, Mark Daniels. (\$8,100)

2003 (185,079)_4

Forstner, M.R.J. Sept 2003-Dec 2009. Population structure of the captive population of *Heloderma horridum*. ASDM (\$1,000)

Forstner, M.R.J. Oct 2003-Aug 2006. Habitat management options for Houston toads on livestock ranches. USFWS/TPWD/Environmental Defense. (\$112,193)

Forstner, M.R.J. Apr 2003-Aug 2004. Determining the Status of the Rare Rio Grande cooter (*Pseudemys gorzugi*) in the South Texas Plains and Edwards Plateau Regions of Texas. Ft. Worth Zoo and TPWD. (\$40,200)

Forstner, M.R.J. Mar 2003-June 2005. Multiple life-stage tracking of the Houston toad (*Bufo houstonensis*) using active and passive methodologies. USFWS/USGS. (\$31,686)

2002 (417,002)_4

Forstner, M.R.J. Sept 2002-Sept 2003. Baseline assessments in conservation: the Houston toad in Bastrop County. Bastrop County/EPA. (\$29,594)

Forstner, M.R.J. June 2002-May 2004. Genetics of a putative Houston toad hybrid zone. ALCOA (\$24,108)

Forstner, M.R.J. Jan 2002-Dec 2003. Houston toad biology. USFWS/TPWD/BC. (\$16,500)

Forstner, M.R.J. & J. Baccus Jan 2002-Dec 2005. Houston toad life history and genetics. USFWS/TPWD/BSA. (\$346,800)

2001 (127,613)_4

Forstner, M.R.J. May 2001-June 2002. Genetic analyses of unknown tadpoles. ALCOA. (\$49,574)

Forstner, M.R.J. March 2001-March 2002. Habitat use by the Houston toad. ALCOA. (\$56,339)

Forstner, M.R.J. and D. M. Garcia. Jan 2001-Dec 2001. Phylogenetic analyses of the alpha-actinins and sequence characterization of novel isoforms. SWT-REP Program. (\$15,990)

Pastorini, J. and M.R.J. Forstner. Jan 2001-Dec 2001. Population genetics of Ringtailed lemurs. A.H. Schultz Foundation. (\$5,710)

2000 (119,395)_5

Pastorini, J. and M.R.J. Forstner. Nov 2000-Dec 2001. Population genetics of Mongoose lemurs. Julius Klaus Foundation. (\$9,280)

Forstner, M.R.J. and J. Pastorini. Nov 2000-Jan 2001. Genetic marker development for endangered lemurs. (\$20,850)

Forstner, M.R.J. May 2000-Aug 2000. Grant and Research Development Award. SWTSU. (\$7,000)

Forstner, M.R.J. Mar 2000-Dec 2000. DNA sequence identification of *Bufo* tadpoles including those of the endangered Houston toad (*Bufo houstonensis*). ALCOA. (\$76,910)

Forstner, M.R.J. Jan 2000-Dec 2001. The genetic consequences of an ancient lake for Chihuahuan desert reptiles. SWTSU REP program. (\$5,355)

1998 (109,525)_4

Forstner, M.R.J. and B.K. Mealey. Jun 1998-Dec 1999. Conservation genetics of *Malaclemys* in Texas and Florida. Species at Risk Program of the USGS. (\$89,595)

Forstner, M.R.J. April 1998. International Travel Award. University Research Council, FAU. (\$1,000)

Melnick, D., J.C. Morales, M.R.J. Forstner. April 1998. Supplemental award toward: Population genetics, molecular systematics, and the evolution and conservation of Asian macaques and Leaf monkeys. NSF Physical Anthropology Panel. (\$14,000)

Forstner, M.R.J. Jan 1998-Jan 1999. Population genetics of the turtle, *Malaclemys terrapin*, in Florida. Florida Atlantic University Research Council. (\$4,930)

1997 (364,990)_2

Melnick, D., J.C. Morales, M.R.J. Forstner. Aug 1997-Jul 2001. Population genetics, molecular systematics, and the evolution and conservation of Asian macaques and Leaf monkeys. NSF Physical Anthropology Panel. (\$309,562)

Forstner, M.R.J. and S.K. Davis. Jun 1997-Dec 1998. Population status and genetic variation in U.S. populations of the Big Bend slider (*Trachemys gaigeae*). Species at Risk Program. USGS. (\$55,428)

1995 and earlier (10,500)_3

Forstner, M.R.J. May 1995. Student Travel Award. TAMU. (\$500)

Forstner, M.R.J. and S.K. Davis. Jan 1993-Jan 1995. Phylogenetic analysis of the snake family Boidae using mtDNA sequence data. NSF Dissertation Improvement Grant, #DEB9310983. (\$9,500)

Forstner, M.R.J. May 1992, Student Travel Award. TAMU. (\$500)

SCHOLARLY BOOKS AND MONOGRAPHS:

Dixon, J.R., J.E. Werler, and M.R.J. Forstner 2020. Texas Snakes: A field guide. Texas natural history guides series. University of Texas Press. 448pg.

PEER-REVIEWED CONTRIBUTIONS: 301 (Student first authors, *first publications*)

CURRENT MANUSCRIPTS

Bohannon, A.M.A., L.G. Bassett, and M.R.J. Forstner. Geographic Distribution. *Gerrhonotus infernalis* (Texas Alligator Lizard). Pecos County, Texas. Herpetological Review. (In Review).

Bohannon, A.M.A., H.D. Bohannon, L.G. Bassett, and M.R.J. Forstner. Geographic Distribution. *Nerodia fasciata confluens* (Broad-banded Watersnake). Fayette County, Texas. Herpetological Review. (In Review).

Bassett, L.G., A. Villamizar-Gomez, and M.R.J. Forstner. Geographic Distribution. *Eleutherodactylus cystignathoides* (Rio Grande Chirping Frog). Rockwall County, Texas. Herpetological Review. (In Review).

Bassett, L.G., F.E. Zughaiyir, and M.R.J. Forstner. Geographic Distribution. *Hemidactylus turcicus* (Mediterranean Gecko). Coryell County, Texas. Herpetological Review. (In Review).

Bassett, L.G., et al. (Submitted Oct ~13 2021). "Filling in the gaps: 50 novel distributional records for herpetofauna of the state of Texas, USA. Herp Review.

Sirsi, S. et al. (submitted Oct 16 2021). Metaanalysis of dispersal data. Nature Ecology and Evolution

Bohannon, A.M.A., L.G. Bassett, F.E. Zughaiyir, A. Villamizar-Gomez, and M.R.J. Forstner, Bassett, L.G., et al. (Submitted 2021). Geographic Distribution. *Siren intermedia* (Lesser Siren). Bastrop County, Texas. Herpetological Review. (In Review).

Adcock, Z.C., M.E. Adcock, B.E. Hall, and M.R.J. Forstner. *In press*. Modification of a water hyacinth sieve and description of Hubbard rakes for sampling small, aquatic salamanders. Amphibian & Reptile Conservation.

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2022 1

Bassett, L.G., S. Bullard, and M.R.J. Forstner. 2022. Abnormal coloration of a western ribbonsnake, *Thamnophis proximus* (Say 1823), from Sutton County, Texas, USA. Reptiles & Amphibians 29:35-36.

2021 22

Suriyamongkol, T., K.N. Forks, A. Villamizar-Gomez, I. Mali, H. Wang, W.E. Grant, and M.R.J. Forstner. 2021. Using PVC pipes as a conservation too for green tree frogs (*Hyla cinerea*) after high-severity

- wildfires in central Texas. *Sustainability* (13:649)1-11. <https://doi.org/10.3390/d13120649>
- Zughaiyir, F., L.G. Bassett, and M.R.J. Forstner. 2021. Polydactyly in the Houston Toad, *Bufo houstonensis* (Sanders, 1953). *Herpetology* (14):1335-1337
- Bassett, L.G., A.R. Price, and M.R.J. Forstner. 2021. Attempted predation of the cyprinid fish *Carassius auratus* (Linnaeus, 1758) by a blotched watersnake, *Nerodia erythrogaster transversa* (Forster, 1771) in Hays County, Texas, USA. *Herpetology Notes* 14:1291-1293.
- Bassett, L.G. and M.R.J. Forstner. 2021. Geographic Distribution. *Bufo speciosus* (Texas Toad). Wilson County, Texas. *Herpetological Review* 52(1):76.
- Bassett, L.G. and M.R.J. Forstner. 2021. Interspecific amplexus of a Gulf Coast toad, *Incilius nebulifer* (Girard 1854), and a Hurter's Spadefoot, *Scaphiopus hurterii* (Strecker 1910), in Bastrop County, Texas, USA. *Reptiles & Amphibians*. 28(2):220–221.
- Bassett, L.G. and M.R.J. Forstner. 2021. Natural History Note. Diet (*Pediocetes haldemaniae* (Haldeman's shieldback)). *Masticophis flagellum*. *Herpetological Review* 52(1):164.
- Bassett, L.G. and M.R.J. Forstner. 2021. Red-eared slider, *Trachemys scripta elegans* (Schoepff, 1792) predation on the freshwater gastropod *Elimia comalensis* (Pilsbry, 1890) in San Felipe Creek, Texas, USA. *Herpetology Notes*. 14:675–676.
- Bassett, L.G., S. Sirsi and M.R.J. Forstner. 2021. Natural History Note. Predation. *Tantilla gracilis*. *Herpetological Review* 52(1):172.
- Bassett, L.G., D.H. Foley III, C.E. Foley, and M.R.J. Forstner. 2021. Geographic Distribution. *Heterodon nasicus* (Plains Hog-nosed Snake). Kent County, Texas. *Herpetological Review* 52(1):86.
- Bassett, L.G., F. Zughaiyir, and M.R.J. Forstner. 2021. Tail bifurcation in *Gehyra oceanica* (Lesson, 1830). *Herpetology Notes* 14:588–589.
- Bassett, L.G., F.E. Zughaiyir, and M.R.J. Forstner. 2021. New County Records for the Mediterranean House Gecko (*Hemidactylus turcicus*) in West Texas with an Updated Distribution Map and Comments on Range Expansion. *Herpetological Review* 52(1): 94-96.
- Bassett, L.G., F.E. Zughaiyir, and M.R.J. Forstner. 2021. Geographic Distribution. 2021. *Pseudacris streckeri* (Strecker's Chorus Frog). Guadalupe County, Texas. *Herpetological Review* 52(1):78.
- Bassett, L.G., I. Mali, and M.R.J. Forstner. 2021. Natural History Note. Diet. *Trachemys scripta elegans* (Red-eared Slider). *Herpetological Review* 52(2): 400.
- Drukker, S.S., L.G. Bassett, and M.R.J. Forstner. 2021. Geographic Distribution. *Pseudacris streckeri* (Strecker's Chorus Frog). Kendall County, Texas. *Herpetological Review* 52(1):78.
- Grace, M.K. H.R. Akçakaya, E.L. Bennett, T.M. Brooks, A. Heath, S. Hedges, C.H.-Taylor, M. Hoffmann, A. Hochkirch, R. Jenkins, D.A. Keith, B. Long, D.P. Mallon, E. Meijaard, E.J. Milner-Gulland, A. Nieto, A.S.L. Rodrigues, J.P. Rodriguez, P.J. Stephenson, S.N. Stuart, R.P. Young, S. Alvarez-Clare, R.R. Andriantsimanarilafy, M. Arbetman, C. Azat, G. Bacchetta, R. Badola, L.M.D. Barcelos, J.P. Barreiros, S. Basak, D. Berger, S. Bhattacharyya, G. Bino, P.A.V. Borges, R.K. Boughton, H.J. Brockmann, H.L. Buckley, I. Burfield, J. Burton, T. Camacho-Badani, L.S. Cano-Alonso, R.H. Carmichael, C. Carrero, J. Carroll, G. Catsadorakis, D. Chapple, G. Chapron, G. W. Chowdhury, L. Claassens, J.A.R. Clugston, D. Cogoni, R. Constantine, C.A. Craig, A.A. Cunningham, N. Dahal, J.C. Daltry, G.C. Das, N. Dasgupta, A. Davey, K. Davies, P. Develey, V. Elangovan, D. Fairclough, M. Di Febraro, G. Fenu, F.M. Fernandes, E.P. Fernandez, B. Finucci, R. Földesi, C.M. Foley, M. Ford, M.R.J. Forstner, N. García, R. Garcia-Sandoval, P.C. Gardner, R. Garibay-Orijel, M. Gatan-Balbas, I. Gauto, M.G.U. Ghazi, S.S. Godfrey, M. Gollock, B.A. González, T.D. Grant, T. Gray, A.J. Gregory, R.H.A. van Grunsven, M. Gryzenhout, N.C. Guernsey, G. Gupta, C. Hagen, C. Hagen, M. Hall, E. Hallerman, K. Hare, T. Hart, R. Hartdegen, Y. Harvey-Brown, R. Hatfield, T. Hawke, C. Hermes, R. Hitchmough, A. Hochkirch, P.M. Hoffmann, C. Howarth, M.A. Hudson, S.A. Hussain, C. Huveneers, H. Jacques, D. Jorgensen, E. Louis Jr., S. Katdare, L.K.D. Katsis, R. Kaul, B. Kaunda-Arara, L. Keith-Diagne, D.T. Kraus, T. Moreira de Lima, K. Lindeman, J. Linsky, A. Loy, E.N. Lughadha, J.C. Mangel, P.E. Marinari, G.M. Martin, G. Martinelli, P. McGowan, A. McInnes, E.T.B. Mendes, M.J. Millard, C. Mirande, Y.J. S. de Mitcheson, D. Money, J.M. Monks, C.L. Morales, N.N. Mumu, R. Negrao, A.H. Nguyen, N.H. Niloy, G.L. Norbury, C. Nordmeyer, D. Norris, M. O'Brien, G.A. Oda, S.

- Orsenigo, M.E. Outerbridge, S. Pasachnik, J.C. Pérez-Jiménez, C. Pike, F. Pilkington, G. Plumb, R. de C.Q. Portela, A. Prohaska, M.G. Quintana, E.F. Rakotondrasoa, D.H. Ranglack, H. Rankou, A.P. Rawat, J.T. Reardon, M.L. Rheingantz, S.C. Richter, M. Rivers, L.R. Rogers, P. da Rosa, P. Rose, E. Royer, C. Ryan, L. Salmon, C.H. Salvador, M.J. Samways, T. Sanjuan, A.S. dos Santos, H. Sasaki, E. Schutz, H.A. Scott, R.M. Scott, F. Serena, S.P. Sharma, J.A. Shigueto, J.A. Shuey, C.J.P. Silva, J.P. Simaika, T. Smith, D.R. Smith, J. Spaet, S. Sultana, B.K. Talukdar, V. Tatayah, P. Thomas, A. Tringali, H. Trinh-Dinh, C. Tuboi, A.A. Usmani, A.M. Vasco-Palacios, J. Vié, J. Virens, P.A. Vives, A. Walker, B. Wallace, L.J. Waller, H. Wang, O.R. Wearn, M. van Weerd, S. Weigmann, D. Willcox, J. Woinarski, J.W.H. Yong, and S. Young. 2021. Testing a global standard for quantifying species recovery and assessing conservation impact. *Conservation Biology* 35(6):1833-1849. DOI: 10.1111/cobi.13756
- MacLaren, A.R., P.S. Crump, and M.R.J. Forstner. 2021. Optimizing the power of human performed audio surveys for monitoring the endangered Houston toad using automated recording devices. *PeerJ* <https://peerj.com/articles/11935>
- McAllister, C.T., Z.D. Adcock, A. Villamizar-Gomez, R.M. Jones, M.R.J. Forstner. 2021. A New Host Record for *Clinostomum cf. marginatum* (Trematoda: Digenea: Clinostomidae) from the Endemic Salado Salamander, *Eurycea chisholmensis* (Caudata: Plethodontidae), from the Edwards Plateau, Texas, U.S.A. *Comparative Parasitology* 88(1)76-83.
- Mota, J.L., D.J. Brown, D.M. Canning, S.M. Crayton, D.N. Lozon, A.L. Gulette, J.T. Anderson, I. Mali, B.E. Dickerson, M.R.J. Forstner, M.B. Watson⁷, T.K. Pauley. 2021. Influence of Landscape Condition on Relative Abundance and Body Condition of Two Generalist Freshwater Turtle Species. *Ecology and Evolution* DOI: 10.1002/ece3.7450
- Vemulapally, S. A. Villamizar, T. Guerra, M.E. Tociłowski, M. Spradley, S. Mays, M.R.J. Forstner, and D. Hahn. 2021. Mycobacteria in skin lesions and the habitat of the endangered Houston toad (*Anaxyrus houstonensis*). *Journal of Wildlife Diseases* 57(3): 503-514.
- Villamizar-Gomez, A., H. Wang, M. Peterson, W.E. Grant, and M.R.J. Forstner. 2021. Environmental determinants of *Batrachochytrium dendrobatidis* and the likelihood of further dispersion in the face of climate change in Texas, USA. *Diseases of Aquatic Organisms* 146:29-39.
- Wilson, W., D.M. Garcia, and M.R.J. Forstner. 2021. Examination of single nucleotide polymorphisms in a partial coding region of the melanocortin 1 receptor from melanistic and wild-type white-tailed deer (*Odocoileus virginianus texanus*). *Uttar Pradesh Journal of Zoology* 42(2):34-40.
- Zughaiyir, F.E.H., C. Rivera, S. Sirsi, M.R.J. Forstner. 2021. *Bufo* (= *Anaxyrus*) *houstonensis*. Predation (*Nerodia erythrogaster*). *Herpetological Review* 52(1):111-112.
- 2020** **24**
- Adcock, Z.C., A. Parandhaman, W.W. Keitt, and M.R.J. Forstner. 2020. Natural History Note. *Eurycea tonkawae* (Jollyville Plateau salamander). Response to spring drying. *Herpetological Review* 51(4):808-809.
- Bassett, L.G. and Forstner, M.R.J. 2020. Geographic Distribution. *Haldea striatula* (Rough earthsnake). Hamilton County, Texas. *Herpetological Review* 51(3):545.
- Bassett, L.G. and Forstner, M.R.J. 2020. Geographic Distribution. *Bufo nebulifer* (= *Incilius nebulifer*) (Gulf Coast toad). Hamilton County, Texas. *Herpetological Review* 51(3):532.
- Bassett, L.G. and Forstner, M.R.J. 2020. Geographic Distribution. *Hemidactylus turcicus* (Mediterranean gecko). Lampasas County, Texas. *Herpetological Review* 51(2):271-272
- Bassett, L.G. and M.R.J. Forstner. 2020. Geographic Distribution. *Eleutherodactylus cystignathoides*. Waller County, Texas. *Herpetological Review* 51(4):769.
- Bassett, L.G. and M.R.J. Forstner. 2020. Geographic Distribution. *Hemidactylus turcicus*. Edwards, Hamilton, and Mucoloch counties, Texas. *Herpetological Review* 51(4):776.
- Bassett, L.G. and M.R.J. Forstner. 2020. Natural History Note. *Trachemys scripta elegans* (Red-eared slider). Scavenging. *Herpetological Review*. 51(4):840.
- Bassett, L.G. and M.R.J. Forstner. 2020. Geographic Distribution. *Trachemys scripta elegans*. Crane County, Texas. *Herpetological Review* 51(4):773.

- Bassett, L.G., A. Villamizar-Gomez, and M.R.J. Forstner. 2020. Geographic Distribution. *Lithobates sphenoccephalus*. Rockwall County, Texas. Herpetological Review 51(4):770.
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Sirsi, S., A.R. MacLaren, D.H. Foley III and M.R.J. Forstner. 2019. **Abstract.** Determining population size and home range of Rio Grande Cooter (*Pseudemys gorzugi*) for the Devils River in Texas. Texas Conservation symposium for 2019. January 11-11, 2019, F.W. Olin Building, Southwestern University, Georgetown, Texas.

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- Villamizar-Gomez, A., Sirsi, S. and M.R.J. Forstner. 2018. **Abstract.** Historical geographic distribution of Chytridiomycosis in Texas. Texas Herpetological Society 79th Meeting. 2018 Fall Symposium. Sul Ross State University-Rio Grande College, 20 October 2018.
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- Suriyamongkol, T., I. Mali, H. Wang, W. Grant, and M.R.J. Forstner. 2016. **Abstract.** Using Distance Sampling Method to Estimate Population Size of Western River Cooter (*Pseudemys gorzugi*) within the Black River Drainage in New Mexico. Texas Herpetological Society, 77th Meeting Fall Symposium, November 19, 2016, Tarleton State University, Stephenville, Texas.
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- MacLaren, A. and M.R.J. Forstner. 2016. **Abstract**. The evoked vocal response of the Houston toad (*Bufo houstonensis*). 21th Annual Biology Student Colloquium. Texas State University, San Marcos, Texas. 26 February 2016.
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- Forks, K. N.*, T. Suriyamongkol*, E. McGrew*, I. Mali, H.-H. Wang, W. Grant, A. Villamizar-Gomez, and M. Forstner. **Poster**. 2016. Use of PVC pipes of different diameters as artificial refuges by green tree frogs in Texas. Texas A&M Student Research Week, College Station, TX. March 2016.
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- Suriyamongkol, T., K. Forks, E. McGrew, A. Villamizar-Gomez, I. Mali, H. Wang, W. Grant, and M. Forstner. 2016. **Poster**. Effects of burning on relative abundances and morphological characteristics of green tree frog in Texas. 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. Wyndham San Antonio Riverwalk, San Antonio, TX, Feb 18-20, 2016.
- Forks, K.N., T. Suriyamongkol, E. McGrew, A. Villamizar-Gomez, I. Mali, H. Wang, W. Grant, and M. Forstner. 2016. **Abstract**. Use of PVC pipes of different diameters as artificial refuges by Green Tree Frogs in Texas. 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. Wyndham San Antonio Riverwalk, San Antonio, TX, Feb 18-20, 2016.
- Jandle, J.A., T.R. Simpson, and M.J. Forstner. 2016. **Abstract**. Effects of grazing on an avian community at a Texas Hill country ranch. 52nd Annual Meeting of the Texas Chapter of the Wildlife Society. Wyndham San Antonio Riverwalk, San Antonio, TX, Feb 18-20, 2016.
- Parandhaman, A., S.F. McCracken, M.R.J. Forstner. **Poster**. Modeling habitat suitability for the state threatened Texas tortoise, *Gopherus berlandieri*, in the eastern region of its range. 41st Annual meeting of the Desert Tortoise Council, Las Vegas, Nevada. February 19-21, 2016.
- Parandhaman, A., A. Villamizar Gomez, S.F. McCracken, M.R.J. Forstner. **Poster**. Population genetic analyses for wayward Texas tortoises, *Gopherus berlandieri*. 41st Annual meeting of the Desert Tortoise Council, Las Vegas, Nevada. February 19-21, 2016.
- Villamizar-Gomez, A., W. Keitt, Z. Adcock, D. Hahn, and M.R.J. Forstner. 2016. **Abstract**. Water quality parameters among locations containing Jollyville Plateau Salamanders (*Eurycea tonkawae*) as they relate to the presence of chytrid fungus (*Batrachochytrium dendrobatidis*). Central Texas *Eurycea* symposium for 2016. January 8, 2016, F.W. Olin Building, Southwestern University, Georgetown, Texas.
- Adcock, Z. and M.R.J. Forstner. 2016. **Abstract**. Fine-scale Evaluation of Microhabitat for Federally Threatened Jollyville Plateau Salamanders (*Eurycea tonkawae*). Central Texas *Eurycea* symposium for 2016. January 8, 2016, F.W. Olin Building, Southwestern University, Georgetown, Texas.
- Aden, R., L. Culpepper, E. McGrew, H. Wang, I. Mali, W.E. Grant, M.R.J. Forstner. 2016. **Poster**. Simulated effects of sex-ratio disparity on population dynamics of the endangered Houston toad. 52nd

- Annual Meeting of the Texas Chapter of the Wildlife Society. Wyndham San Antonio Riverwalk, San Antonio, TX, Feb 18-20, 2016.
- Duarte, A. J.S. Hatfield, F.W. Weckerly, J.L.R. Jensen, J.E. Hines, J.D. Nichols, T.M. Swannack, M.R.J. Forstner, and M.C. Green. 2016. **Abstract**. Population Dynamics and Habitat Conservation for the Golden-cheeked Warbler. 2016 Golden-cheeked warbler and Black-capped vireo symposium. Biodiversity Works. Lady Bird Johnson Wildflower center, Austin, TX. Jan 28-29, 2016.
- 2015** **32**
- Marsh, M., and M.R.J. Forstner. 2015. **Interim Report**. Houston toad juvenile survivorship: 2015 preliminary report. Submitted to Atwater Prairie Chicken National Wildlife Refuge, Colorado County, Texas. 15pgs.
- MacLaren, A.R., S. McCracken and M.R.J. Forstner. 2015. **Final report**. Houston toad monitoring: 2015 data and final report for the Musgrave Family tract, Bastrop County, TX. Submitted to the Musgrave Family and United States Fish and Wildlife Service. 12pgs
- MacLaren, A.R., S. McCracken and M.R.J. Forstner. 2015. **Final report**. Houston toad monitoring: 2015 data and final report for the Nycz Family tract, Bastrop County, TX. Submitted to the Nycz Family and United States Fish and Wildlife Service. 11pgs
- Forstner, M.R.J. and L. Schumacher. 2015. **Final report**. Houston toad 2015 final report for the Griffith League Ranch and Lost Pines Scout Reserve, Bastrop County, Texas. Submitted to the Capital Area Council, Boy Scouts of America. 11 pgs.
- Forstner, M.R.J. and J. Duvall-Jisha. 2015. **Final report**. Houston toad 2015 chorusing survey for Bastrop County and the Lost Pines habitat conservation plan. Submitted to Bastrop County. 11 pgs.
- Suriyamongkol, T., K. Forks, E. McGrew, A. Villamizar-Gomez, I. Mali, H. Wang, W. Grant, M.R.J. Forstner. 2015. **Poster**. Post-wildfire comparison of *Hyla cinerea* in burned and unburned areas near Bastrop, Texas. Texas Herpetological Society, 76th Meeting Fall Symposium, November 7, 2015, Texas State University, San Marcos, Texas.
- Prather, P., S.F. McCracken, and M.R.J. Forstner. 2015. **Abstract**. Bridging the gap: connecting landscapes with the installation of wildlife corridors. Texas Herpetological Society, 76th Meeting Fall Symposium, November 7, 2015, Texas State University, San Marcos, Texas.
- Marsh, M., M.R.J. Forstner, and T. Parker. 2015. **Abstract**. Measuring the Effects of The Red Imported Fire Ant (*Solenopsis invicta*) on juvenile Houston Toads (*Bufo houstonensis*) in a coastal prairie grassland. Texas Herpetological Society, 76th Meeting Fall Symposium, November 7, 2015, Texas State University, San Marcos, Texas.
- Villamizar-Gomez, A., W. Keitt, W. Farr, and M.R.J. Forstner. 2015. **Abstract**. Using roadkill as a proxy for amphibian disease assessment. Texas Herpetological Society, 76th Meeting Fall Symposium, November 7, 2015, Texas State University, San Marcos, Texas.
- MacLaren, A., S.F. McCracken, and M.R.J. Forstner. 2015. **Abstract**. Presence/Absence surveys for the endangered Houston toad: the federal guidelines in 20:20 hindsight. Texas Herpetological Society, 76th Meeting Fall Symposium, November 7, 2015, Texas State University, San Marcos, Texas.
- Adcock, Z.C. and M.R.J. Forstner. 2015. **Abstract**. Investigating microhabitat parameters for federally threatened Jollyville Plateau salamanders. Texas Herpetological Society, 76th Meeting Fall Symposium, November 7, 2015, Texas State University, San Marcos, Texas.
- Hernandez, J.A., S.F. McCracken, and M.R.J. Forstner. 2015. **Abstract**. Mechanical thinning: an assessment using herpetofauna in the Lost Pines ecoregion of Bastrop County, Texas. Texas Herpetological Society, 76th Meeting Fall Symposium, November 7, 2015, Texas State University, San Marcos, Texas.
- Sirsi, S., S. Singh, and M.R.J. Forstner. 2015. **Abstract**. Variation in reproductive output of the Crowned River Turtle (*Hardella thurjii*). Texas Herpetological Society, 76th Meeting Fall Symposium, November 7, 2015, Texas State University, San Marcos, Texas.
- Stout, D.J., J.H. Duvall-Jisha, and M.R.J. Forstner. 2015. **Interim Report**. Welsh Tract Federal Fuel reduction: 2015 third quarterly report on migratory bird and Houston toad compliance monitoring. Submitted to Bastrop County Emergency Management. 10pgs.

- Rodriguez, D. S. McCracken, J.H. Duvall-Jisha, and M.R.J. Forstner. 2015. **Final Report**. Bastrop County rights of way restoration and recovery operations from the Bastrop Complex Fire of 2011: Endangered species monitoring 2014-2015. Submitted to Bastrop County Emergency Management. 10pgs
- MacLaren, A., S.F. McCracken and M.R.J. Forstner. 2015. **Abstract**. Revising the Federal Protocol for Conducting Presence/Absence Surveys for the Endangered Houston Toad (*Bufo houstonensis*). Seventh Annual International Research Conference for graduate students. Nov 17-18, 2015. Texas State University, San marcos, Texas.
- MacLaren, A., S.F. McCracken and M.R.J. Forstner. 2015. **Final Report**. Houston toad (*Bufo houstonensis*) chorus survey Bastrop State Park, Bastrop County, Texas. Submitted to TPWD. September 17, 2015. 11pgs.
- Suriyamongkol, T.*, K. Forks*, A. Arevilca*, E. McGrew*, A. Villamizar-Gomez, I. Mali, H.-H. Wang, W. Grant, and M. Forstner. **Poster**. Post-wildfire comparison of the herpetofauna in burned and unburned areas near Bastrop, Texas. Undergraduate Research Expo. 30 September 2015. College Station, TX.
- Forstner, M.R.J., M. Marsh, A. MacLaren, I. Mali, M. Jones, D. Wallace, J. Hernandez, and D. Brown. 2015. **Presentation**. Field research 2015: Houston toads in active stewardship. Headstarting 2016 planning meeting. Houston Zoo, Inc., Houston, TX. 2 Sept 2015.
- Jones, M.C. and M.R.J. Forstner. 2015. **Final report**. Testing habitat restoration options in the Houston toad (*Bufo houstonensis*) with the aftermath of the Bastrop County Complex Fire. Project E-149. Submitted to TPWD and USFWS. August 28, 2015. 46pgs. 78pgs
- Jones, M.C., M.W. Vandewege, and M.R.J. Forstner. 2015. **Final Report**. Population supplementation: a proven means toward endangered species recovery for the Houston toad (*Bufo houstonensis*). Final report for Preventing Extinction II. Submitted to USFWS, August 28, 2015. 37pgs.
- Suriymongkol, T., K. Forks, A. Arevilca, E. McGrew, A. Villamizar-Gomez, I. Mali, H. Wang, W. Grant, and M.R.J. Forstner. 2105. **Poster**. Post-wildfire comparison of the herpetofauna in burned and unburned areas near Bastrop, Texas. National Science Foundation-Research experiences for undergraduates. Interdisciplinary Life Sciences Bldg, Texas A&M University, College Station, Texas. Aug 5, 2015.
- Duvall-Jisha, J.H. and M.R.J. Forstner. 2015. **Interim Report**. Welsh Tract Federal Fuel reduction: 2014-2015 quarterly report summary. Submitted to the Office of Emergency Management, Bastrop County, TX. 12pgs.
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- Brown, D.J., T.M. Swannack, and M.R.J. Forstner. 2015. **Poster**. Improving amphibian call survey monitoring using predictor ponds. Wisconsin Lakes Partnership, Annual convention, Stevens Point, WI, USA. 23-25 April 2015.
- Villamizar, A., I. Mali, and M.R.J. Forstner. 2015. **Poster**. Population genetics of Texas Spiny Softshell turtle (*Apalone spinifera emoryi*) under various anthropogenic pressures in two distinct regions along the Rio Grande/Rio Bravo del Norte in Texas. 20th Annual Biology Student Colloquium. Texas State University, San Marcos, Texas. 17 April 2015.
- Shashwat, S. and M.R.J. Forstner. 2015. **Abstract**. Nothing really matters? Reproductive output in *Hardella thurjii*. 20th Annual Biology Student Colloquium. Texas State University, San Marcos, Texas. 17 April 2015.
- Maclaren, A., S. McCracken, and M.R.J. Forstner. 2015. **Abstract**. Teach your computer to be a better listener: A lesson on development and implementation of automated audio recognition tools. 20th Annual Biology Student Colloquium. Texas State University, San Marcos, Texas. 17 April 2015.
- Adcock, Z. and M.R.J. Forstner. 2015. **Abstract**. Defining habitat for the Federally Threatened Jollyville Plateau Salamander (*Eurycea tonkawae*). 20th Annual Biology Student Colloquium. Texas State University, San Marcos, Texas. 17 April 2015.
- Parandhaman, A. S.F. McCracken, and M.R.J. Forstner. 2015. **Abstract**. Conservation management of the

- Texas tortoise, *Gopherus berlandieri*, in its eastern and northern range: a story of 18,000 miles and 7 not so wise tortoises. 20th Annual Biology Student Colloquium. Texas State University, San Marcos, Texas. 17 April 2015.
- Adcock, Z. and M.R.J. Forstner. 2015. **Abstract**. Increasing Detection and Evaluating Microhabitat Use for the Federally Threatened Jollyville Plateau Salamander (*Eurycea tonkawae*). Williamson County *Eurycea* Symposium, Round Rock, Texas. 9 January 2015.
- Villamizar, A., Z.C. Adcock, D. Hahn, and M.R.J. Forstner. 2015. **Abstract**. Chytrid fungus (*Batrachochytrium dendrobatidis*) prevalence over time in the Jollyville Plateau Salamander (*Eurycea tonkawae*) of Central Texas. Williamson County *Eurycea* Symposium, Round Rock, Texas. 9 January 2015.
- 2014** **27**
- Aleman, A., T.J. Maikis, M.R. Forstner, I. Castro-Arellano, D. Hahn. 2014. **Abstract**. Identification of microbial populations in compost tea derived from spent mushroom compost using in situ hybridization. Texas Branch of the American Society of Microbiology Fall Meeting, November 6-8, 2014. University of Texas at Houston, Houston, TX.
- Valdes, E.C., M.R. Forstner, C.H. Rahe, and D. Hahn. 2014. **Abstract**. Prevalence of *Typanosoma cruzi* in Texas rodent populations. Texas Branch of the American Society of Microbiology Fall Meeting, November 6-8, 2014. University of Texas at Houston, Houston, TX.
- Ozel, E., S.M. McCracken and M.R.J. Forstner. 2014. **Annual Technical Report**. Red imported fire ant control and consequences during highway construction. 2014 Annual Report for IAC 14-1XXIA002. Submitted to TXDOT. 13pgs.
- McCracken, S.M., E. Ozel, and M.R.J. Forstner. 2014. **Annual Technical Report**. Minimizing Wildlife motorist interactions. 2014 Annual Report for IAC 14-1XXIA001. Submitted to TXDOT. 24pgs.
- Castro-Arellano, I., K. Talley, M.C. Green, D. Hahn, C. Gaedicke, and M.R.J. Forstner. 2014. **Final report**. Contribution of bridge dwelling birds to bacterial water quality impairments (Research project #0-6764). Submitted to Texas Department of Transportation. 146pgs.
- Forstner, M.R.J. and L. Schumacher. 2014. **Final report**. Houston toad 2014 final report for the Griffith League Ranch and Lost Pines Scout Reserve, Bastrop County, Texas. Submitted to the Capital Area Council, Boy Scouts of America. 13 pgs.
- Jones, M.C. and M.R.J. Forstner. 2014. **Final report**. 2014 Houston toad chorus survey and headstart monitoring report for Bastrop State Park, Bastrop County, Texas. Submitted to Texas Parks and Wildlife Department. 17pgs.
- Forstner, M.R.J. and I. Mali. 2014. **Final report**. Houston toad 2014 chorusing survey for Bastrop County and the Lost Pines habitat conservation plan. Submitted to Bastrop County. 11 pgs.
- Jones, M.C., M.W. Vandewege, and M.R.J. Forstner. 2015. **Interim Report**. Population supplementation: a proven means toward endangered species recovery for the Houston toad (*Bufo houstonensis*). Final report for TX E-127-R Extension. Submitted to TPWD and USFWS. 23pgs.
- Jones, M.C. and M.R.J. Forstner. 2014. **Interim report**. Testing habitat restoration options in the Houston toad (*Bufo houstonensis*) with the aftermath of the Bastrop County Complex Fire. Project E-149. Submitted to TPWD and USFWS. 26pgs
- Mali, I., D.J. Brown, J.R. Ferrato, and M.R.J. Forstner. **Poster**. Trapping turtles using hoop nets: Testing potential biases. Texas Herpetological Society, 75th Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- Adcock, Z. and M.R.J. Forstner. 2014. **Abstract**. Assessment of water quality, disease, microhabitat, and abundance for the Jollyville Plateau Salamander (*Eurycea tonkawae*). Williamson County Conservation Foundation, 2014 annual Board meeting research program. 22 October 2014.
- Adcock, Z., and M.R.J. Forstner. 2014. Annual report. An evaluation of the potential impacts of road improvements to FM2769 within Critical Habitat Unit 13 for the Jollyville Plateau Salamander (*Eurycea tonkawae*). Submitted to TXDOT. 25 July 2014. 9pgs.
- Jones, M.C. and M.R.J. Forstner. 2014. **Poster**. Headstarting an endangered amphibian: increasing headstarting survivorship using a predator exclusion device. Texas Herpetological Society, 75th

- Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- Ozel, E. and M.R.J. Forstner. 2014. **Poster**. Exposure to RIFA may be a higher threat than previously consider: seasonal habitat shifts of red imported fire ant (*Solenopsis invicta*) negatively affects Houston toad distribution. Texas Herpetological Society, 75th Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- Gomez, A.V., W. Farr, D. Hahn, and M.R.J. Forstner. 2014. **Poster**. Prevalence of chytridiomycosis in central Texas and Tamaulipas, Mexico. Texas Herpetological Society, 75th Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- Schumacher, L. and M.R.J. Forstner. 2014. **Poster**. Population genetics of the Big Bend slider (*Trachemys gaigeae gaigeae*) and red-eared slider (*Trachemys scripta elegans*) contact zone in the Rio Grande drainage of Texas. Texas Herpetological Society, 75th Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- Parandhamand, A., S.F. McCracken, and M.R.J. Forstner. 2014. **Abstract**. Predicting habitat suitability in the historical range of the threatened Texas tortoise, *Gopherus berlandieri*. Texas Herpetological Society, 75th Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- Prather, P., D. Rodriguez, Z. Adock, M. Jones, E. Ozel, A. Parandhamand, L. Schumacher, D.J. Stout, A. Villamizar, and M.R.J. Forstner. 2014. **Abstract**. Effect of salvage logging on herpetofaunal communities following severe wildfires in the Lost Pines ecoregion. Texas Herpetological Society, 75th Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- Adcock, Z.C. and M.R.J. Forstner. 2014. **Abstract**. Innovative sampling techniques reveal high numbers of federally threatened Jollyville Plateau Salamander (*Eurycea tonkawae*). Texas Herpetological Society, 75th Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- MacLaren, A.R., S.F. McCracken, and M.R.J. Forstner. 2014. **Abstract**. Being there all the time: Creating robust automated audio detection tools for anurans with emphasis on *Bufo houstonensis*. Texas Herpetological Society, 75th Meeting Fall Symposium, November 8, 2014, Texas State University, San Marcos, Texas.
- Mali, I., D.J. Brown, J.R. Ferrato, and M.R.J. Forstner. **Poster #81**. Trapping turtles using hoop nets: Testing potential biases. 21st Annual conference of the Wildlife Society, 25-30 October 2014, Pittsburgh, PA.
- Jones, M.C. and M.R.J. Forstner. 2014. **Poster #113**. A Predator exclusion device as an effective way to headstart an endangered amphibian. 21st Annual conference of the Wildlife Society, 25-30 October 2014, Pittsburgh, PA.
- Gomez, A.V., D. Hahn, I. Castro-Arellano, and M.R.J. Forstner. 2014. **Poster #80**. Chytridiomycosis and its prevalence in central Texas and Tamaulipas, Mexico. 21st Annual conference of the Wildlife Society, 25-30 October 2014, Pittsburgh, PA.
- Forstner, M.R.J. 2014. **Technical Report**. Cumulative evaluation of potential Houston toad (*Bufo houstonensis*) occurrence in Limestone County, Texas. Submitted to HDR, Inc. 24 October 2014. 25pgs.
- Rodriguez, D. and M.R.J. Forstner. 2014. **Final Report**. Detection of the fine scale outcomes from High Severity Bastrop Complex fire relevant to the endangered Houston toad [*Bufo houstonensis*] within the Lost Pines Ecosystem of Texas. Submitted to TPWD and USFWS 30 Aug 2014. 18 pgs.
- Mali, I., M.R.J. Forstner, and P.P. Van Dijk. 2014. **Featured Article**. What can recent export trends tell us about U.S. freshwater turtle exploitation? Turtle Survival Alliance 2014(Aug): 28-30.

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- Brown, D. and M.R.J. Forstner. 2013. **Final Report**. Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (*Bufo houstonensis*) within the Lost Pines ecoregion of Texas. Section 6 Project E-114. Submitted to TPWD and USFWS, May 24, 2013. 164pgs.
- Brown, D.J. and M.R.J. Forstner. 2013. **Abstract**. Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Texas Academy of Science. 116th Annual Meeting, Texas Academy of Science, February 28-March 2, 2013, Schreiner

- University, Kerrville, Texas. *winner 1st Place, Best student oral presentation.
- Brown, D.J., T.M. Swannack, and M.R.J. Forstner. 2013. **Poster**. Predictive models for calling and movement activity of the endangered Houston toad (*Bufo houstonensis*). 18th Annual Biology Student Colloquium, March 22, 2013, Texas State University, San Marcos, TX.
- Crump, P.S., L.L. Howard, C.B. Johnson, and M.R.J. Forstner. 2013. **Annual Report**. Houston toad Preventing Extinction Grant Report (Agreement # 1448-20181-A-J850). Submitted to the United States Fish and Wildlife Service. 12pgs
- Forstner, M.R.J. 2013. **Annual report**. Minimizing Wildlife-Motorist Interactions: 2013 Annual Report and Interim Summary for IAC 14-7XXIA001. Submitted to Dr. Cal Newnam, TXDOT, June 15, 2013. 32pgs.
- Forstner, M.R.J. 2013. **Interim report**. Minimizing Wildlife-Motorist Interactions on US 290 & Fire Ant Management during Roadway construction. 2013 Interim Report for IAC 14-1XXIA001 & 14-1XXIA002 submitted to Cal Newnam, Texas Department of Transportation. 4pgs.
- Forstner, M.R.J. 2013. **Interim report**. Proactive and reactive responses to the unintended release of drilling fluids within potential Houston toad breeding habitat, during breeding season and within occupied habitat patch during operations in Colorado County, Texas. Submitted to Jeffrey Hill, USFWS, ClearLake Field office. 20pgs.
- Forstner, M.R.J., D. Brown, T.M. Swannack, M.C. Jones and J.R. Dixon. 2013. **Abstract**. The Houston toad (*Bufo houstonensis*): paths to extinction or recovery. Texas Herpetological Society, 2013 Fall Symposium, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013.
- Forstner, M.R.J., D. Wallace, S. McCracken, and D. Stout. 2013. Final Report. Houston toad 2013 chorusing survey: Final Report for Bastrop County and the Lost Pines Habitat Conservation Plan. 12pgs.
- Jones, M. and M.R.J. Forstner. 2013. **Abstract**. Testing habitat restoration options in the Houston toad (*Bufo houstonensis*) with the aftermath of catastrophic wildfire in Texas. 60th Annual meeting of the Southwestern Association of Naturalists, 4-7 April, McNeese State University, Lake Charles, Louisiana, USA.
- Jones, M. and M.R.J. Forstner. 2013. Final Report. Houston toad chorus survey and headstart monitoring report for Bastrop State Park, Bastrop County, Texas of the Texas Department of Wildlife and Fisheries. 15pgs.
- Jones, M., M.W. Vandewege and M.R.J. Forstner. 2013. **Abstract**. Efficacy and Efficiency of Head-starting and Captive Propagation of the Houston toad (*Bufo houstonensis*). Texas Herpetological Society, 2013 Fall Symposium, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013.
- Jones, M., M.W. Vandewege and M.R.J. Forstner. 2013. Abstract. Head-starting and Captive Propagation of the Houston toad (*Bufo houstonensis*): Tools used for population supplementation in an endangered amphibian. 5th Annual International Research Conference for Graduate Students. November 6-7, 2013, Texas State University, San Marcos, TX.
- Jones, M.C., M.W. Vandewege, and M.R.J. Forstner. 2013. **Final Report**. Population supplementation: a proven means toward endangered species recovery for the Houston toad (*Bufo houstonensis*). Final report for TX E-127-R. Submitted to TPWD and USFWS, September 6, 2013. 46pgs.
- Mali, I., and M.R.J. Forstner. 2013. **Abstract**. Trapping turtles using hoop-nets: testing assumptions and potential biases. 18th Annual Biology Student Colloquium, March 22, 2013, Texas State University, San Marcos, TX.
- Mali, I., D.J. Brown, and M.R.J. Forstner. 2013. **Abstract**. Trapping turtles using hoop-nets: testing assumptions and potential biases. Texas Academy of Science. 116th Annual Meeting, Texas Academy of Science, February 28-March 2, 2013, Schreiner University, Kerrville, Texas. *winner 2nd Place, Best student oral presentation.
- Mali, I., M.W. Vandewege, S.K. Davis, and M.R.J. Forstner. 2013. **Abstract**. International markets and national impacts to biodiversity: the magnitude of freshwater turtle exports from the US and recent regulatory outcomes. 5th Annual International Research Conference for Graduate Students. November 6-7, 2013, Texas State University, San Marcos, TX.

- Mali, I., M.W. Vandewege, S.K. Davis, and M.R.J. Forstner. 2013. **Abstract.** Are newly implemented harvest management regimes the best strategy for protection of wild freshwater turtle populations in the Southeast USA? Texas Herpetological Society, 2013 Fall Symposium, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013.
- Rodriguez, D., D. Hahn, M.R.J. Forstner. 2013. **Abstract.** Evaluating competing hypotheses for the origin and pathogen dynamics of the amphibian-killing fungus, *Batrachochytrium dendrobatidis*, in light of recent, global retrospective surveys and genomic data. Texas Herpetological Society, 2013 Fall Symposium, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013.
- Villamizar, A., and M.R.J. Forstner. 2013. **Abstract.** Presence of *Batrachochytrium dendrobatidis* and *Ranavirus* in Central Texas. 18th Annual Biology Student Colloquium, March 22, 2013, Texas State University, San Marcos, TX.
- Villamizar, A., D. Hahn, and M.R.J. Forstner. 2013. **Abstract.** Prevalence of *Batrachochytrium dendrobatidis* in Tamualipas, MX. Texas Herpetological Society, 2013 Fall Symposium, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013.

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- Brown, D. and M.R.J. Forstner. 2012. **Interim Report.** Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (*Bufo houstonensis*) within the Lost Pines ecoregion of Texas. Submitted to TPWD and USFWS, Oct 22, 2011. 39pgs.
- Brown, D., A. Duarte, I. Mali, M.C. Jones and M.R. J. Forstner. 2012. **Abstract.** Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Fourth Annual International Research Conference for Graduate Students November 7 - 8, 2012, Texas State University, San Marcos, TX.
- Brown, D.J., A. Duarte, I. Mali, M.C. Jones, and M.R.J. Forstner. 2012. **Abstract.** - Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Texas Herpetological Society, 2012 Fall Symposium, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012.
- Forstner, M.R.J., J. Dixon, S. McCracken, and D.J. Stout. 2012. **Final report.** Houston toad 2012 chorusing survey: Final report for Bastrop County and the Lost Pines Habitat Conservation Plan monitoring. Submitted to Bastrop County and United States Fish and Wildlife Service. 13pgs.
- Brown, D.J., T.M. Swannack, and M.R.J. Forstner. 2012. **Abstract.** A Race Against Extinction: Research to Inform Recovery Efforts for the Critically Endangered Houston Toad. . 7th World Congress of Herpetology, Aug 8-14, 2012, Vancouver, Canada.
- Forstner, M.R.J. 2012. **Final report.** Houston toad monitoring: 2012 data and final report for the Musgrave Family tract, Bastrop County, TX. Submitted to the Musgrave Family and United States Fish and Wildlife Service. 9pgs
- Jones, M. and M.R.J. Forstner. 2012. **Abstract.** Habitat suitability and head-start efficiency and effectiveness testing in the endangered Houston toad (*Bufo houstonensis*). Texas Herpetological Society, 2012 Fall Symposium, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012.
- Jones, M. and M.R.J. Forstner. 2012. **Final Report.** Houston toad (*Bufo houstonensis*) monitoring 2012 data and final report for Bastrop State Park, Bastrop County, Texas. Submitted to TPWD Dec 14, 2012. 9pgs.
- Jones, M.C. and M.R.J. Forstner. 2012. **Interim Report.** Conservation and management practices and strategies for an endangered amphibian: Testing head-starting efficiency and habitat preference or suitability for the Houston toad (*Bufo houstonensis*). Submitted to TPWD and USFWS, Oct 22, 2012. 18pgs.
- Jones, M.C., M. Vandewege, and M.R.J. Forstner. 2012. **Abstract.** Testing the efficacy of headstarting the critically endangered Houston toad (*Bufo houstonensis*) using high resolution genotypic markers and capture-recapture field studies. 7th World Congress of Herpetology, Aug 8-14, 2012, Vancouver, Canada.
- Mali, I. and M.R.J. Forstner. 2012. **Abstract.** Sustainability as applied to the use of chelonians worldwide. 7th World Congress of Herpetology, Aug 8-14, 2012, Vancouver, Canada.

- Mali, I., S. Schwinning, M.R.J. Forstner, and H. Wang. 2012. **Abstract.** Use of demographic sensitivity analysis in management of freshwater turtle harvest. Fourth Annual International Research Conference for Graduate Students November 7 - 8, 2012, Texas State University, San Marcos, TX.
- McCracken, S. and M.R.J. Forstner. 2012. **Abstract.** Anthropogenic and ecological effects on anurans inhabiting an upper canopy tank bromeliad (*Aechmea zebrina*) in Yasuni Biosphere Reserve, Amazonian Ecuador. 17th Annual Biology Student Colloquium, Mar 23, 2012, Texas State University, San Marcos, TX.
- McCracken, S. and M.R.J. Forstner. 2012. **Abstract.** Living on the edge: Oil road effects on the abundance and occupancy of anurans inhabiting an upper canopy tank bromeliad (*Aechmea zebrina*) in lowland rainforest of the Yasuni Biosphere Reserve, Amazonian Ecuador. 7th World Congress of Herpetology, Aug 8-14, 2012, Vancouver, Canada.
- McCracken, S.F. and M.R.J. Forstner. 2012. **Abstract.** Just how bad are roads, anyway? Oil road effects on the anuran community of a high canopy tank bromeliad. Texas Herpetological Society, 2012 Fall Symposium, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012.
- Ozel, E., D.J. Brown, D.B. Preston and M.R. J. Forstner. 2012. **Abstract.** How do fire ants (*Solenopsis invicta*) respond to the changes brought on by last year's wildfires in the Lost Pines region of Texas. Fourth Annual International Research Conference for Graduate Students November 7 - 8, 2012, Texas State University, San Marcos, TX.
- Ozel, E., D.J. Brown, D.B. Preston, and M.R.J. Forstner. 2012. **Abstract.** The Effect of Canopy Cover, Prescribed Fire, Temperature and Precipitation on Annual RIFA Activity in the Lost Pines Ecoregion of Texas. Texas Herpetological Society, 2012 Fall Symposium, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012.
- Preston, D. and M.R.J. Forstner 2012. **Abstract.** Chemically Mediated Predator Avoidance Behaviors in Tadpoles of the Federally Endangered Houston Toad (*Bufo [Anaxyrus] houstonensis*) and Their Ecological Implications. Texas Herpetological Society, 2012 Fall Symposium, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012.
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- Preston, D. and M.R.J. Forstner. 2012. **Abstract.** Chemically mediated predator avoidance behavior in the Coastal plains toad (*Bufo nebulifer*). 17th Annual Biology Student Colloquium, Mar 23, 2012, Texas State University, San Marcos, TX.
- Villamizar, A., S. Miller, D. Hahn, and M.R.J. Forstner. 2012. **Abstract.** Chytridiomycosis: A Disease Affecting Amphibian Communities in Central Texas. Fourth Annual International Research Conference for Graduate Students November 7 - 8, 2012, Texas State University, San Marcos, TX.
- Villamizar, A., S. Miller, D. Hahn, and M.R.J. Forstner. 2012. **Abstract.** Prevalence of *Batrachochytrium dendrobatidis* in amphibian populations in Central Texas. Texas Herpetological Society, 2012 Fall Symposium, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012.
- Wallace, D., V.R. Farallo, D. Buzo and M.R. J. Forstner. 2012. **Abstract.** Analyzing Houston Toad habitat fragments for viability in the face of ongoing fragmentation, severe drought, and catastrophic wildfire. Fourth Annual International Research Conference for Graduate Students November 7 - 8, 2012, Texas State University, San Marcos, TX.
- Wallace, Derek*, Farallo, Vincent, Buzo, Daniela, Forstner, Michael R.J. 2012. **Abstract.** Analyzing Houston Toad habitat fragments for viability in the face of ongoing fragmentation, severe drought, and catastrophic wildfire. Texas Herpetological Society, 2012 Fall Symposium, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012.

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- Brown, D., J.T. Baccus, and M.R.J. Forstner. 2011. **Abstract.** Short-term effects of fire on juvenile amphibians in a southern USA pine forest. 114th Annual Meeting, Texas Academy of Science, March 3-5, 2010, St. Edwards University, Austin, Texas.
- Brown, D., J.T. Baccus, and M.R.J. Forstner. 2011. **Abstract.** Short-term effects of fire on juvenile amphibians in a southern USA pine forest. 16th Annual Biology Student Colloquium, Apr 1, 2011, Texas State University, San Marcos, TX.
- Brown, D., J.T. Baccus, D.B. Means and M.R.J. Forstner. 2011. **Abstract.** Short-term outcomes for juvenile amphibians after fire in a southern USA pine forest. 96th Annual meeting, Ecological Society of America, August 7-12, 2011, Austin Convention Center, Austin, TX.
- Brown, D., T.M. Swannack and M.R.J. Forstner. **Abstract.** Influence of weather on capture variability for amphibians in the Lost Pines of Texas. Texas Chapter, Wildlife Society, Feb 17-19, 2011. San Antonio, TX.
- Brown, D.J., T.M. Swannack, and M.R.J. Forstner. 2011. **Abstract.** Influence of abiotic factors on activity patterns of the endangered Houston toad (*Bufo houstonensis*). Annual meeting of the Texas Herpetological Society, 22 October, 2011, The University of Texas, Austin, Texas.
- Chumchal, M. K. Jobe, A. Jacobsen, and M.R.J. Forstner. 2011. **Final Report.** Survey of mercury contamination in three species of Texas turtles and development of a non-lethal sampling technique. . Submitted to the Ft. Worth Zoo and Texas Parks and Wildlife Department. 8pgs.
- Crump, P.S., L.L. Howard, M.M. Marin, and M.R.J. Forstner. 2011. **Annual Report.** Houston toad *ex situ* Conservation. Submitted to the United States Fish and Wildlife Service. 24pgs
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- Duarte, A., D.J. Brown, and M.R.J. Forstner. 2011. **Abstract.** Estimating abundance of the endangered Houston toad (*Bufo houstonensis*) on a primary recovery site. 3rd Annual International Research Conference for Graduate Students. November 2-3, 2011, Texas State University, San Marcos, TX.
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- Farallo, V.R and M.R.J. Forstner. 2011. **Abstract.** Predation and the maintenance of color polymorphism in a habitat specialist squamate. 96th Annual meeting, Ecological Society of America, August 7-12, 2011, Austin Convention Center, Austin, TX.
- Forstner, M.R.J. 2011. **Final Report.** ColoVista and the Houston toad (**Bufo houstonensis**): The ecological context, likely influences, and some relevant minimization strategies. Submitted to The Appelt Company. 50pgs.
- Forstner, M.R.J. and I. Mali. 2011. **Annual Report.** Aquatic diversity assessment Phase I: Nov 2011 initial trapping Bentsen Rio Grande State Park canal system. Submitted to Texas Parks and Wildlife Department. 5 pgs.
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- Forstner, M.R.J., M. Vandewege, M. Jones, and A. Feltoon. 2011. An assessment of the population genetics of *Heloderma horridum* useful for guidance in management of the captive populations. Jan Johnson,

- Arizona-Sonora Desert Museum/American Zoo & Aquarium Association. 21pgs.
- Forstner, M.R.J., M.F. Small, J.A. Veech, and J.R. Dixon. 2011. Report. Data from field work, land cover change, and museum records of *Holbrookia lacerata* in Texas. Submitted to USFWS, July 25th 2011. 7pg.
- Harper, A. and M.R.J. Forstner. 2011. **Abstract**. Assessing impacts of drought on herpetofauna. 16th Annual Biology Student Colloquium, Apr 1, 2011, Texas State University, San Marcos, TX.
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- Jones, M.C., D.J. Brown, I. Mali, A. McKinney, and M.R.J. Forstner. 2011. **Abstract**. Assessment of Public Knowledge and Support for Recovery of the Endangered Houston Toad (*Bufo houstonensis*) in Bastrop, Texas. Annual meeting of the Texas Herpetological Society, 22 October, 2011, The University of Texas, Austin, Texas.
- Mahato, N. and M.R.J. Forstner. 2011. **Abstract**. A general habitat suitability model for the endangered Houston toad (*Bufo houstonensis*) from remote sensing data. 114th Annual Meeting, Texas Academy of Science, March 3-5, 2010, St. Edwards University, Austin, Texas.
- Mali, I., D. Brown, and M.R.J. Forstner. 2011. **Abstract**. Conservation and Sustainable Use of Turtle Populations Worldwide: Past, Present, and Future Strategies. Seventh International Conference on Environmental, Cultural, Economic, and Social Sustainability. 5-7, January 2011. University of Waikato, New Zealand.
- Mali, I., D. Brown, and M.R.J. Forstner. 2011. **Abstract**. Toward sustainable worldwide utilization of Chelonians. 16th Annual Biology Student Colloquium, Apr 1, 2011, Texas State University, San Marcos, TX.
- Mali, I., D.J. Brown, M. Jones, J.R. Dixon, and M.R.J. Forstner. 2011. **Final Report**. Assessing Texas Freshwater Turtle Populations: Project status and results from selected studies. Submitted to TPWD Oct 20, 2011. 83pgs
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- Mali, I., M.R.J. Forstner and D. Brown. 2011. **Abstract**. Conservation and sustainable use of turtle populations worldwide: Past, present, and future strategies. 96th Annual meeting, Ecological Society of America, August 7-12, 2011, Austin Convention Center, Austin, TX.
- McCracken, S. and M.R.J. Forstner. 2011. **Abstract**. Multi-rotor UAVS- A new tool for Biologists. 16th Annual Biology Student Colloquium, Apr 1, 2011, Texas State University, San Marcos, TX.
- Preston, D. and M.R.J. Forstner. 2011. **Abstract**. Chemically mediated predator avoidance behavior in the endangered Houston toad (*Bufo houstonensis*) using the Coastal Plain toad (*Bufo nebulifer*) as a proxy. Annual meeting of the Texas Herpetological Society, 22 October, 2011, The University of Texas, Austin, Texas.

- Sha, Q., M.R.J. Forstner, X. Vatten, and D. Hahn. 2011. **Abstract.** Assessing pathogenicity of Salmonella isolates from natural biofilms. 3rd Annual International Research Conference for Graduate Students. November 2-3, 2011, Texas State University, San Marcos, TX.
- Vandewege, M. and M.R.J. Forstner. **Abstract.** Testing pedigree reconstruction to assess short term effects of head-starting on a Houston toad population. 16th Annual Biology Student Colloquium, Apr 1, 2011, Texas State University, San Marcos, TX.
- Vandewege, M.W., M.C. Jones, and M.R.J. Forstner. 2011. **Interim Report.** Conservation and management practices and strategies for an endangered amphibian: Testing head-starting efficiency and habitat preference or suitability for the Houston toad (*Bufo houstonensis*). Submitted to TPWD and USFWS, Oct 24, 2011. 44pgs.
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- Bean, P. T., M. R. J. Forstner, and T. H. Bonner. 2010. **Poster.** Rediscovery of Headwater Catfish, *Ictalurus lupus* (Ictaluridae), in a Western Gulf Slope Drainage. 42nd Annual meeting of the Desert Fishes Council. 18-21 November, 2010, Moab, UT
- Brown, D. and M.R.J. Forstner. 2010. **Interim Report.** Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (*Bufo houstonensis*) within the Lost Pines ecoregion of Texas. Submitted to TPWD and USFWS Aug 22, 2010. 22pgs.
- Brown, D.J., B. Devolld, and M.R.J. Forstner. 2010. **Abstract.** Red-eared slider (*Trachemys scripta elegans*) hoop net escapes: size versus sex. 15th Annual Biology Student Colloquium, April 3, 2010, Texas State University, San Marcos, TX. *Runner-up best student presentation (Graduate level)
- Crump, P. and M.R.J. Forstner. 2010. **Magazine Article.** Saving the Houston toad. Association of Zoos & Aquariums. CONNECT (3): 2.
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- Devolld, B. and M.R.J. Forstner. 2010. **Abstract.** The effects of prescribed fire on red-imported fire ant (*Solenopsis invicta*) populations around ponds in the Lost Pines ecoregion of Texas. 15th Annual Biology Student Colloquium, April 3, 2010, Texas State University, San Marcos, TX.
- Dickerson, B. and M.R.J. Forstner. 2010. **Abstract.** Effects of urbanization and road densities on the populations of *Trachemys scripta elegans* in the Lower Rio Grande valley. 15th Annual Biology Student Colloquium, April 3, 2010, Texas State University, San Marcos, TX.
- Dickerson, B.E. and M.R.J. Forstner. 2010. **Abstract.** Road densities as a proxy for urbanization effects using the Red eared slider (*Trachemys scripta elegans*) in the lower Rio Grande Valley. Texas Chapter of the Wildlife Society Annual Meeting, Feb 18-20th, Galveston, Texas.
- Farallo, V.R and M.R.J. Forstner. 2010. **Abstract.** Are the color forms in the mottled rock rattlesnake (*Crotalus lepidus lepidus*) consequent of predation? 113th Annual Meeting, Texas Academy of Science, March 4-6, 2010, Tarleton State University, Stephenville, Texas.
- Farallo, V.R and M.R.J. Forstner. 2010. **Abstract.** Maintenance of polymorphism in the mottled rock rattlesnake (*Crotalus lepidus lepidus*) consequent of predation? 57th Annual meeting Southwestern Association of Naturalists, Apr 22-24, 2010, Llano River Field Station, Junction, TX.
- Farallo, V.R., D.J. Brown, and M.R.J. Forstner. 2010. Boosting funnel trap success (review of An improved funnel trap for drift-fence surveys). Wildlife Professional 4(4)74.
- Forstner, M.R.J. and D.J. McHenry. 2010. **Final report.** Genetic characterization of *Eurycea* salamanders from Jacobs Well, Hays County, Texas. Final Report submitted to the Coypu Foundation, New Orleans, Louisiana and the River Systems Institute, Texas State University, San Marcos, Texas State University Dec 15, 2010. 24pgs.
- Forstner, M.R.J. and D.J. Stout. 2010. **Final report.** Houston toad monitoring: 2010 data and final report for Musgrave family tract, Bastrop County, TX. Submitted to the Musgrave family and United States

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- Harper, A. and M.R.J. Forstner. 2010. **Abstract**. Assessing impacts of drought on herpetofauna through repeated surveys and morphometric comparisons. 57th Annual meeting Southwestern Association of Naturalists, Apr 22-24, 2010, Llano River Field Station, Junction, TX.
- Howard, L.L. M.E.B. Jones, J.P. Flangan, P.S. Crump, M.L. Marin, T.P. Prim, M.R.J. Forstner, A.P. Pessier. 2010. **Abstract**. Disseminated Mycobacteriosis in a headstart colony of Houston toads (*Bufo houstonensis*). "Wildlife and Ecosystem Health Without Borders." In conjunction with the AAZV/AAWV/ARAV Annual Conference. Trilateral Meeting of the Canadian, Mexican, and United States Wildlife Veterinary and Conservation. South Padre Island, Texas, USA. Oct 24-25, 2010.
- Mahato, N. and M.R.J. Forstner. 2010. **Abstract**. A distribution model for guidance toward the conservation planning of red panda (*Ailurus fulgens*) in Nepal. 11th Ecological Integration Symposium, Understanding Patterns and Processes across Scales, March 26-27, 2010, Texas A&M University, College Station, Texas.
- Mahato, N. and M.R.J. Forstner. 2010. **Abstract**. Determining endangered species habitat in the face of cryptic species and few occupancy surveys: an example from the red panda (*Ailurus fulgens*) in Nepal. Organization of Fish and Wildlife Information Managers annual conference, Oct 18-21, Cadiz, Kentucky. *winner 2010 Student Scholarship (\$600).
- Mahato, N. and M.R.J. Forstner. 2010. **Abstract**. Distribution and GIS-based habitat modeling of red panda

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- Mahato, N.K., P. Subedi, L. Poudel, and M.R.J. Forstner. 2010. **Abstract**. Status and conservation of the galliformes population in Pipar and the importance of the adjacent Santel area for pheasant conservation in Nepal. 57th Annual meeting Southwestern Association of Naturalists, Apr 22-24, 2010, Llano River Field Station, Junction, TX.
- Mali, I., J. Jackson, D. Brown, J.R. Dixon, and M.R.J. Forstner. 2010. **Annual Report**. Assessing Texas Freshwater Turtle populations, Big Bend National Park. Submitted to Raymond Skiles, Big Bend National Park and the National Park Service. 10pgs.
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- McHenry, D. and M.R.J. Forstner. 2010. **Abstract**. The bittersweet success of headstarting in the Houston toad (*Bufo houstonensis*). 113th Annual Meeting, Texas Academy of Science, March 4-6, 2010, Tarleton State University, Stephenville, Texas.
- McHenry, D.J., and M.R.J. Forstner. 2010. **Poster**. Measuring natural levels of interspecific admixture in an endangered toad. Texas State University Women in Science and Engineering Conference, April 30th 2010, San Marcos TX.
- Schultz, A. and M.R.J. Forstner. 2010. **Abstract**. Inferring Population Changes of Freshwater Turtles in South Texas. 15th Annual Biology Student Colloquium, April 3, 2010, Texas State University, San Marcos, TX.
- Schultz, A. and M.R.J. Forstner. 2010. **Abstract**. Turtle trends in the Lower Rio Grande Valley across thirty years with both long and short-term replication. 57th Annual meeting Southwestern Association of Naturalists, Apr 22-24, 2010, Llano River Field Station, Junction, TX. 57th Annual meeting Southwestern Association of Naturalists, Apr 22-24, 2010, Llano River Field Station, Junction, TX.
- Vandewege, M., D. Rodriguez, J.P. Weaver, T.D. Hibbits, M.R.J. Forstner, and L.D. Densmore. 2010. **Abstract**. Bimodal pattern of hybridization between Baird's rat snake and the Texas rat snake inferred from mitochondrial and nuclear DNA data. 15th Annual Biology Student Colloquium, April 3, 2010, Texas State University, San Marcos, TX.
- Vandewege, M., D. Rodriguez, J.P. Weaver, T.D. Hibbits, M.R.J. Forstner, and L.D. Densmore. 2010. **Abstract**. The hybrid zone between (*Elaphe bairdi* and *Elaphe obsoleta lindheimeri*) in Texas inferred from microsatellite and mitochondrial DNA data. 113th Annual Meeting, Texas Academy of Science, March 4-6, 2010, Tarleton State University, Stephenville, Texas.
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- Crump, P., J.P. Flanagan, and M.R.J. Forstner. 2009. **Annual Report**. Houston toad *ex situ* Conservation permit report. Annual report submitted to the USFWS Dec 15, 2009. 20pgs.
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- Farallo, V. and M.R.J. Forstner. 2009. **Abstract #200.** Two are better than one: improved funnel trap design. Texas Academy of Science, Junction, TX. March 5-7 2009.
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- McAllister, C.T. and M.R.J. Forstner. 2015 In Memoriam: James Ray Dixon, A Texas Herpetological Icon (1928-2015). Herpetological Conservation and Biology 10(1):1-25.
- Forstner, M.R.J., D. Lazcano, R.A. Thomas. 2015. Memoriam. James Ray Dixon (1928-2015). Southwestern Association of Naturalists 60(1):132-138.

INVITED PANELS:

- Forstner, M.R.J. 2019. Texas turtle research, conservation priorities and the results from current field studies. Joint Annual meeting of the Arizona and New Mexico Southwest Section of the Wildlife Society. 7-9 February 2019. Albuquerque, NM.
- Successful Research in Academia, International Faculty Forum, 5th Annual International Research Conference for Graduate Students. November 6-7, 2013, Texas State University, San Marcos, TX.
- Fire Ecology and the Lost Pines. Art from the Ashes Exhibition. April 28-May 5, 2012. Austin, Texas, USA.
- Gharial species recovery, Conservation Genetics and monitoring. Gharial Survival Alliance. June 2011. Delhi, India.
- Inaugural Panel Session, National Phenology Network, Animal Phenology program. June 16-19, 2009. Arlington, Virginia, USA.
- IUCN Asian turtle workshop: Developing Conservation Strategies through captive management. Jan 2001. Ft. Worth Zoo, Ft. Worth Texas, USA.
- Genomics and Bioinformatics advancement for Malaysia. Oct 1999. Institute of Bioinformatics, University of Malaysia, Kuala Lumpur, Malaysia.

INVITED PRESENTATIONS: 96

2021

Forstner, M.R.J., F. Zughaiyir, G. Bassett, A. Villamizar, and D. Hahn. 2021. Status of the Houston toad Bastrop County, 2000-2021: Its habitat dried up, it burned, it flooded...and then it froze. Bastrop County LPHCP stakeholders group, Alum creek WMA 2020 meeting. Bastrop, TX, Aug 07, 2021. (moved virtual)

Forstner, M.R.J., A. Bohannon, J.H. Bell, A. MacLaren, A. Al Bashit, D. Valles Molina, and C. Croft. Audio Monitoring Technologies Enhance Management Data Necessary for Conservation Stewardship. National Habitat Conservation Plan Coalition Meeting. Austin, TX Oct 5-7, 2021. (moved virtual)

2020

Forstner, M.R.J., F. Zughaiyir, G. Bassett, A. Villamizar, and D. Hahn. 2020. Do the work, stay on track, the toads are back. Bastrop County LPHCP stakeholders group, Alum creek WMA 2020 meeting. Bastrop, TX, Aug 07, 2020.

2019

Forstner, M.R.J., A. MacLaren, A. Villamizar, and D. Hahn. 2019. Do the work, stay on track, the toads are back. Bastrop County LPHCP stakeholders group, Alum creek WMA 2019 meeting. Bastrop, TX, Aug 09, 2019.

2018

Forstner, M.R.J., A. MacLaren, S. McCracken, M. Marsh, A. Villamizar, and D. Hahn. 2018. A trilling bit of good news: Houston toad in Bastrop County 2018. Bastrop County LPHCP stakeholders group, Alum creek WMA 2018 meeting. Bastrop, TX, Aug 11, 2018.

2017

Forstner, M.R.J., A. MacLaren, S. McCracken, M. Marsh, A. Villamizar, and D. Hahn. 2017. Climbing back up off zero: the Houston toad and its habitat in 2017. Bastrop County LPHCP stakeholders group, Alum creek WMA 2017 meeting. Bastrop, TX, Aug 19, 2017.

2016

Adcock, Z.C. and M.R.J. Forstner. 2016. Water Quality Parameters for Captive-Reared *Eurycea sosorum* and Unbiased Determination of Habitat Usage by *Eurycea* in Williamson County, Texas with Assessments of Reproductive Ecology and Disease Prevalence. Austin Ecological Services office, U.S. Fish and Wildlife Service. Austin, TX, 1 December 2016.

Forstner, M.R.J., S. McCracken, D. Brown, A. Duarte, T. Swannack, D. McHenry, M. Marsh, A. MacLaren, M. Vandewege, M. Jones, A. Villamizar, and D. Hahn. 2016. Progress toward recovery: the Houston toad and its habitat in 2016. Bastrop County LPHCP stakeholders group, Alum creek WMA 2016 meeting. Bastrop, TX, Aug 27, 2016.

Forstner, M.R.J. 2016. Texas' venomous snakes: safety and management. Texas Department of Transportation, Austin, TX. February 3, 2016.

Forstner, M.R.J., S. McCracken, D. Brown, A. Duarte, T. Swannack, D. McHenry, M. Marsh, A. MacLaren, M. Vandewege, M. Jones, A. Villamizar, and D. Hahn. 2016. Lessons from another native Texan: Paradigms lost and found in the Houston toad. Plenary session. *Eurycea* Symposium, Southwestern University, Georgetown, TX. Jan 8, 2016.

2015

Forstner, M.R.J., M. Jones, I. Mali, D. Wallace, J. Hernandez, A. MacLaren and D. Brown. 2015. Status of the Houston toad in 2015: directed recovery or imminent extinction? Bastrop County LPHCP stakeholders group, Alum creek WMA 2015 meeting. Bastrop, TX, Aug 29, 2015.

McCaskill, L., S. Platt, and M.R.J. Forstner. 2015. Risks and rewards making repatriation decisions for species on the precipice of extinction: conservation stewardship in the Siamese crocodile (*Crocodylus siamensis*). ICCB: 27th International Congress for Conservation Biology/4th European Congress for Conservation Biology. August 2-6, 2015, Le Corum- Esplanade Charles De Gaulle, Montpellier, France (forum canceled after acceptance).

2014

- Forstner, M.R.J. 2014. Houston toads in 2014: active stewardship and the hope for recovery. Texas Master Naturalists, Greater Brazos Valley Chapter, Brazos Valley Museum, 13 November 2014.
- Forstner, M.R.J. 2014. Drought and aquatic wildlife. Water, Wildlife and Wide Open Spaces: A Texas summit on climate and the environment. November 20-21, 2014, San Marcos, Texas.
- Adcock, Z, J. Crow, D. Hahn, J. Tomasso and M.R.J. Forstner 2014. Research toward understanding detection probabilities, water quality, and disease influences on the Jollyville salamander (*Eurycea tonkawae*). *Eurycea* Adaptive management working group, 2014 1st annual meeting, Georgetown, Texas. 2 September 2014.
- Forstner, M.R.J. 2014. Venomous snakes and pragmatic safety considerations for personnel. Texas Department of Transportation, Austin, TX. July 30, 2014.

2013

- McCracken, S.F. and M.R.J. Forstner, M.R.J. 2013. Do limited access rainforest oil roads = limited disturbance? Impacts on amphibians of the high canopy and the consequent genetic implications at the landscape scale. The Tropical Forest Research and Education Conference: Yasuni Day, Mindo, Ecuador. October 11-13, 2013.
- Forstner, M.R.J. 2013. Houston toad characteristics, life cycle, and habitat. General Land Office, Austin, TX. June 6, 2013.
- Forstner, M.R.J. 2013. Houston toad ecology and management opportunities within USDA programs. NRCS, Temple, TX. May 30, 2013.
- Forstner, M.R.J., D. Brown, and M. Jones. 2013. The drought, the fire: What can we say about the Houston toad. Bastrop County LPHCP stakeholders group, Alum creek WMA 2013 meeting. Bastrop, TX, Feb 9, 2013.

2012

- Forstner, M.R.J., M. Vandewege, and P. Crump. Houston toads: supplementing the wild populations. USFWS Preventing Extinction, Houston Zoo, Inc. Nov 8, 2012.
- Forstner, M.R.J., V. Elliot, K. Wilson, and D. Hahn. 2012. Collaborative Science in Cambodia. Liberal Arts Advisory Board meeting, Texas State University, Oct. 26, 2012.
- Crump, P., M. Vandewege, and M.R.J. Forstner. 2012. Using high resolution genetic markers to track the success of headstarted bufonids (*Bufo houstonensis*) in supplementation of the wild population. 7th World Congress of Herpetology. August 8-12, Vancouver, Canada.

2011

- Forstner, M.R.J., D. McHenry, M. Vandewege. 2011. Genetic management of the Houston toad: state of the knowledge, options, and implications for future recovery efforts. Houston toad recovery team meeting, USWFS, Austin TX. Apr 25, 2011.
- Forstner, M.R.J., D. Brown, and S. McCracken. 2011. Stewardship of the Houston toads. Capital Area Council, Boy Scouts of America, 2011 alumni meeting. Bastrop, TX, Apr 9, 2011.
- Forstner, M.R.J. and A. Fujii. 2011. Genetic Diversity and Population Structure of the Texas Tortoise (*Gopherus berlandieri*). Texas Tortoise working group workshop, El Tropicana Riverwalk Hotel, 17 February, 2011. San Antonio, TX
- Forstner, M.R.J., D. Brown, and D. McHenry. 2011. Active stewardship: Houston toads now and then. Bastrop County LPHCP stakeholders group, Alum creek WMA 2011 meeting. Bastrop, TX, Jan 22, 2011.

2010

- Forstner, M.R.J. 2010. Applications of genetics and genomics for wildlife conservation. Centre for Biodiversity Conservation. Royal University of Cambodia, Phnom Penh, Cambodia. December 13-14th, 2010. Invited seminar series.
- Forstner, M.R.J., D. Brown, J. Jackson, A. Schultz, B. Dickerson, D. McHenry, and J.R. Dixon. 2010. Texas' turtles: the Good, the Bad, and the Ugly. Joint meeting of the Texas Herpetological Society and the Dallas-Ft. Worth Herpetological Society. October 15-17, University of Texas at Arlington, Arlington, TX.

- Dixon, J.R. and M.R.J. Forstner. 2010. The changing world of Texas' turtles. East Texas Herpetological Society 20th Annual Conference, Reptile Sale & Educational Exhibit. September 24 - 26, 2010, Brookhollow Crowne Plaza, Houston, Texas
- Forstner, M.R.J., D. Buzo, T. Swannack, and J. Bell. 2010. Road ecology in the endangered Houston toad, the data enabling proactive approaches. 2010 Environmental Coordinators Conference, September 14-16, 2010, Austin, TX. (conference canceled).
- Forstner, M.R.J. 2010. Private partners in Houston toad recovery. Invited speaker. Hilltop Lakes Association Stakeholders meeting. May 27, 2010, Normangee, TX.
- Forstner, M.R.J. 2010. Field data, testing assumptions, guiding stewardship: a comprehensive approach to Houston toad conservation. Plenary speaker. Natureserve: Southeast Natural Heritage Conference. April 29-30, 2010, Austin TX.
- Mahato, N. and M.R.J. Forstner. 2010. Status and Distribution of red panda (*Ailurus fulgens*) in Nepal Himalaya for use in prioritizing nationwide conservation efforts. National Seminar on Red Panda conservation, Initiatives in Sacred Himalaya Landscape of Nepal's Himalaya. Department of National Parks and Wildlife Conservation and the Department of Forests. February 18-19, 2010, Kathmandu, Nepal.
- Forstner, M.R.J. 2010. Current status of the Houston toad and a suitable model for depicting its habitat. United States Fish and Wildlife Service, Austin Ecological Services Branch, Texas Parks and Wildlife, Environmental Defense Fund, Natural Resources Conservation Service, and Bastrop County. Bastrop, TX, Jan 14, 2010.

2009

- Forstner, M.R.J. and J. H. Bell. 2009. Challenging recovery: the 2005-2009 drought and the Houston toad. Utilities Habitat Conservation Plan Committee, Environmental Defense, and the USFWS. McKinney Roughs State Park auditorium, Austin TX. Nov 2, 2009.
- Gaston, M. and M.R.J. Forstner. 2009. Biology, Ecology, and Conservation of the Houston toad. Texas Parks and Wildlife Department, Bastrop County, and Alum Creek WMA. 1st Annual stakeholders meeting. June 26, 2009, Bastrop TX.
- Jackson, J., J.R. Dixon, and M.R.J. Forstner. 2009. Assessment of population structure and hybridization in extant *Trachemys gaigeae* populations in the Rio Grande: an application of molecular methods in turtle conservation. Turtle Survival Alliance 7th Annual meeting, Aug 5-8, 2009. St. Louis, MO.
- Forstner, M.R.J. 2009. Turtles as biological indicators in the Rio Grande Basin. River's End seminar series. Texas State University. May 7, 2009.
- Forstner, M.R.J. 2009. The Texas tortoise as an icon for nongame conservation in Texas. San Marcos Chapter Lions Club. April 24, 2009.
- Fujii, A. and M.R.J. Forstner. 2009. Genetic Diversity and Population Structure of the Texas Tortoise (*Gopherus berlandieri*): Implications for Conservation. 34th Annual Meeting and Symposium of the Desert Tortoise Council. Casa Blanc Resort and Casino, Mesquite, NV. February 19-22, 2009.

2008

- Forstner, M.R.J and D. Buzo. 2008. Rangewide status review and GIS habitat model validation for the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad team meeting. Bastrop, TX, Nov 24, 2008.
- Forstner, M.R.J., J. Jackson, L. Bailey, and J.R. Dixon. 2008. The status of two native turtles of the Rio Grande Basin (Emydidae: *Trachemys gaigeae* and *Pseudemys gorzugi*): fieldwork, ecology, and genetics. TSA meeting, Sept 17-20, 2008, Tuscon, AZ. (canceled, death in the family)
- Forstner, M.R.J. 2008. Texas turtles: the good, the bad, and the ugly. East Texas Herpetological Society. Annual Meeting, Sept 12-14, Houston, TX. (Conference canceled, Hurricane Ike)
- Forstner, M.R.J. 2008. Stewardship of the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting. Bastrop, TX, March 26. 2008.
- McHenry, D.J. and M.R.J. Forstner. 2008. Results from population genetics studies of the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery

- Initiative kick off meeting. Bastrop, TX, March 26. 2008.
- Buzo, D. and M.R.J. Forstner. 2008. A GIS predictive habitat distribution model for the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting. Bastrop, TX, March 26. 2008.
- Gaston, M. and M.R.J. Forstner. 2008. Stewardship options and priorities for the Houston toad. United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting. Bastrop, TX, March 26. 2008.
- Forstner, M.R.J. and M. Wagner. 2008. New Dimensions in wildlife management: Impacts of commercial turtle harvest in Texas. 2008 Texas Wildlife Diversity Conference. Implementation of the Texas Wildlife Action Plan (TWAP): Focus on Partnerships and Implementation. Houston, TX, Jan 17-19.
- 2007**
- Forstner, M.R.J. 2007. Advanced Phylogenetic Analyses: from markers to genes. Malaysia Genome Institute, University of Malaysia, Kebangsaan. Dec 3-7, Bangi, Selangor, Malaysia. (Invited Workshop leader)
- 2006**
- Forstner, M.R.J., L. Bailey, J.R. Dixon. 2006. The Status of *Pseudemys gorzugi* (Reptilia: Emydidae) in the Rio Bravo Basin. IX Reunion Nacional de Herpetologia. Universidad Autonoma de Nuevo Leon, Monterrey, Nuevo Leon, Mexico. Nov 6-9, 2006. (Invited Presentation).
- Forstner, M.R.J. 2006. Current Research and Status of the Houston toad. Texas Herpetological Society, President's Seminar. Oct 20, 2006. San marcos, Texas. (Invited Presentation).
- Forstner, M.R.J. 2006. Recent Houston toad research accomplishments and current needs. Houston toad Conservation committee for Utilities Mitigation funds. Sept. 27, 2006. Bastrop, Texas. (Invited Presentation).
- Forstner, M.R.J. 2006. Stewardship at the edge of extinction. Department of Biology Seminar Series. Sept 18, 2006. Texas State University. San Marcos, Texas. (Invited Presentation).
- Forstner, M.R.J. 2006. Endangered Species Research: The Houston toad. Seminar in Conservation Biology. Texas State University. April 18, 2006. (Invited Presentation).
- 2005**
- Forstner, M.R.J. 2005. Turtle Genetics Workshop. National Science Foundation. Harvard University, Boston, MA. Aug 7-12, 2005. (Invited participant).
- Forstner, M.R.J., M. Jones, J. Jackson, K. Greuter, and T. Swannack, B. Weckerly, and J. Baccus. 2005. Aspects of Houston toad ecology critical to management options. Texas Parks and Wildlife Department, Bastrop, Texas. June 1, 2005. (Invited Presentation and workshop participant).
- Forstner, M.R.J., M. Jones, J. Jackson, K. Greuter, F. Weckerly, J. Baccus, and T. Swannack. 2005. Collaborative restoration of Houston toad habitat. United States Fish and Wildlife Service. Austin, Texas. Apr 27, 2005. (Invited Presentation).
- 2004**
- McCracken, S., P. Herbertson, M. Mulligan, and M.R.J. Forstner. 2004. Toward a GIS framework of amphibian diversity, distribution, and density in Amazonia: work from Yasuni National Park. 2nd Annual Ecuador Tropical Forest Research and Education Conference. Oct 15-17, 2004. Mindo Biological Station, Ecuador. (Invited Presentation)
- Swannack, T. and M.R.J. Forstner. 2004. Lessons learned from the Houston toad: implications for forestry management. Temple-Inland Forestry management seminar. July 2004. Austin, TX. (Invited Presentation)
- Mealey, B.K., G.M. Parks, J.D. Baldwin, M.R.J. Forstner. 2004. The Insular Ecology of *Malaclemys terrapin macrospilota* and *M. t. rhizophorarum* of Florida Bay and the Florida Keys. Third workshop on the ecology, status, and conservation of Diamondback terrapins. 17-19 Sept 2004, Jacksonville, Florida. (Invited Participant/Presentation)
- Forstner, M.R.J., T. Swannack, K. Greuter, S. Morris, S. Keifer, A. Ferguson, and J. Baccus. 2004. Quantitative aspects of Houston toad ecology. Wildlife diversity conference. Texas Parks and Wildlife Department. San Marcos, TX. Aug 2004. (Invited Presentation)

2003

- Forstner, M.R.J. and T. Swannack. 2003. Threats to the Houston toad and research toward its conservation. Long distance Learning course. National Wildlife Federation. Dec 22, 2003. (Invited on-line course)
- Forstner, M.R.J., T. Swannack, K. Greuter, S. Morris, S. Keifer, W. Lanier, A. Marquardt, A. Ferguson, and J. Baccus. 2003. Status assessment, reproduction, habitat use, and survivorship of Houston toads using new techniques and integrated experimental design. USFWS Endangered species seminar series. Albuquerque, NM. Dec 17, 2003. (Invited Presentation)
- Forstner, M.R.J. 2003. History in the molecules: Pleistocene signatures on Texas vertebrates. Baylor University Seminar Series. Nov 12, 2003. Waco, Texas. (Invited Presentation)
- Forstner, M.R.J., G. Lobban, and S.R. Morris. 2003. *Heosemys grandis* captive assurance colonies: wild founder characteristics and parasitism. IUCN Turtle Survival Alliance Symposium. Orlando FL, Aug 18-21, 2003. (Invited Presentation)
- Forstner, M.R.J. and T. Swannack. 2003. Managing small populations of vertebrates. IUCN Turtle Survival Alliance Symposium. Orlando FL, Aug 18-21, 2003. (Invited Presentation).
- Forstner, M.R.J. 2003. Integrated culture of turtles. IUCN Turtle Survival Alliance Symposium. Orlando FL, Aug 18-21, 2003. (Invited Presentation).
- Forstner, M.R.J. 2003. Houston toad habitat and status in Bastrop County, Texas. USFWS. Jan 29, San Marcos, TX. (Invited Presentation).
- Forstner, M.R.J. 2003. Invasive species threats and priorities (Big Bend National Park). National Park Service, Big Bend National Park Research Priority Scoping meeting. Jan 3, Odessa, TX. (Invited contributor)

2002

- Forstner, M.R.J. 2002. Population trends, current status, and ongoing investigations of the Houston toad (*Bufo houstonensis*). USFWS, Houston toad recovery team public information seminar. Oct 23, Bastrop, TX. (Invited Presentation)
- Forstner, M.R.J. 2002. History in the molecules: Using phylogenetics and biogeography to reconstruct near term climatic changes in Texas. Southwest Texas State University, Dept. of Biology Seminar series. Oct 14, San Marcos, TX. (Invited Presentation)
- Forstner, M.R.J. 2002. Preliminary results of Houston toad research in Bastrop County, TX. USFWS Houston toad recovery team/implementation team joint meeting. June 18, Austin, TX. (Invited Presentation)
- Forstner, M.R.J. 2002. Current status of the Houston toad. Bastrop County/Stakeholders Group/Prairies and Pines Land Trust. April 2, Bastrop, TX. (Invited Presentation)

2001

- Forstner, M.R.J. 2001. Houston toad results from the Griffith League Ranch, Bastrop County, TX. Bastrop County, Stakeholders group and Public forum. June 27, Bastrop, TX. (Invited Presentation)
- Forstner, M.R.J. 2001. Handling scientific and technical information in contentious public issues. National Public Policy Conference Workshop. Sept 17, San Antonio, TX. (Invited Panelist) (cancelled due to the events of 9/11/01)
- Forstner, M.R.J. 2001. Chihuahuan Desert Parks, Inventory and Monitoring. National Park Service. Inventory Scoping Meeting. May 30-Jun 1, Odessa, TX. (Invited Contributor)

2000

- Forstner, M.R.J. 2000. Environment, microhabitat, and occurrence correlations for the Houston toad (*Bufo houstonensis*) on the Griffith League Ranch, Bastrop County, TX. USFWS/TPWD/BSA seminar. Aug 1, Bastrop, TX. (Invited Presentation)

1999

- Forstner, M.R.J. 1999. Phylogeny of snakes from mtDNA sequences and a re-examination of their biogeography and evolutionary adaptations. University of Miami. Nov 29, Miami, FL. (Invited Presentation)
- Forstner, M.R.J. 1999. Molecular phylogenetics of the Lemuridae. Centenary Congress of the Anthropological Institute and Museum, University of Zurich. Oct, Zurich, Switzerland. (Invited

- Presentation)
- Forstner, M.R.J. 1999. Diamondback terrapin ecology: population size, demographics, genetics, and ecology. Distinguished seminar series, Florida International University, Nov 16, Miami, FL. (Invited Presentation)
- Forstner, M.R.J. 1999. Workshop on methods in gene analysis II: DNA sequencing and analysis. UKM-MTDC Biotechnology Academy, NBD, MOSTE, and Center for Gene Analysis and Technology, University of Malaysia, Kebangsaan. Oct 18-27, Bangi, Selangor, Malaysia. (Invited Workshop leader)
- Forstner, M.R.J. 1999. Population ecology and genetics of *Malaclemys terrapin* in Florida Bay. All Florida Herpetological conference. May, Gainesville, FL. (Invited speaker w/Brian Mealey)
- Forstner, M.R.J. 1999. Molecular markers and systematics: tools for understanding evolution and managing populations. Southwest Texas State University, Seminar series. April, San Marcos, TX. (Invited Presentation)

1998

- Forstner, M.R.J. 1998. Molecular markers for conservation genetics: lessons from new world crocodiles. Universiti Kebangsaan. July 17, Kuala Lumpur, Malaysia. (Invited Presentation)
- Forstner, M.R.J. 1998. High resolution identification of interspecific hybrids of the American crocodile (*Crocodylus acutus*) and the Cuban crocodile (*C. rhombifer*). Symposia of Crocodylian Biology and Evolution. University of Australia. July, Brisbane, Australia. (Invited Presentation)
- Forstner, M.R.J. 1998. Adaptive radiations: the topology of success: examples from anthropoids. Institute of Anthropology. University of Switzerland. May 4, Zurich, Switzerland. (Invited Presentation)
- Forstner, M.R.J. 1998. Molecular systematics and tissue preservation: Results from the laboratory and the field. Texas Cooperative Wildlife Collection, Texas A&M University. March, College Station, TX. (Invited Presentation)

1997

- Forstner, M.R.J. 1997. Ancient divergences and modern populations: applications of molecular genetics in reptile evolution and conservation. Florida Atlantic University seminar series. April 11, Davie, FL. (Invited Presentation)
- Forstner, M.R.J. 1997. Reptile conservation and the pet trade. Columbia University. May, New York, NY. (Invited Presentation)
- Forstner, M.R.J. 1997. Identification of crocodylian hybrids using molecular markers: a case study in the Cuban crocodile (*Crocodylus rhombifer*) and the American crocodile (*C. acutus*). Environmental Leaders Forum, Columbia University. May, New York, NY. (Invited Presentation)
- Forstner, M.R.J. 1997. Molecular Systematics: Applications to Conservation Biology. Arden House Biological Retreat. Columbia University Faculty. January, Harriman, NY. (Invited Presentation)

1996

- Forstner, M.R.J. 1996. Workshop on Phylogenetics: methods and molecular systematics. Center for Biodiversity and Conservation, Faculty of Math and Sciences, University of Indonesia, Campus UI, Depok-Jakarta. June 24-26, Jakarta, Indonesia. (Invited Workshop)
- Forstner, M.R.J. 1996. Conservation genetics. Mid-Career Day Series. Center for Environmental Research and Conservation, Morningside Institute Mid-Career Training Committee, Department of Anthropology, Columbia University. May, New York, NY. (co-host/lecturer)

1995

- Forstner, M.R.J. 1995. The phylogeny and evolution of primitive snakes. 14th Meeting of the William Hennig Society. July, College Station, TX. (Invited Presentation)
- Forstner, M.R.J. 1995. Squamate relationships and the phylogeny of the Henophidia. American Society of Ichthyologists and Herpetologists/Herpetologist's League. June 16-19, Edmonton, Canada. (Invited Symposium Lecture)

POST-DOCTORAL COLLEAGUES ADVISED:

- 2021-2022 Shashwat Sirsi Ph.D. 2021. Texas State University, Texas. Applying dispersal standards

- toward conservation stewardship in Texas reptiles and amphibians.
- 2019-2021 Andrea Villamzar-Gomez Ph.D. 2019. Texas State University, Texas. Diagnosis of amphibian pathogens in the wild and captive held populations.
- 2017-2019 Paul S. Crump. Ph.D. 2017. University of New Brunswick, Canada. Microhabitat associations and habitat usage in the dune sage-brush lizard (*Sceloporus arenicolus*).
- 2016-2017 Yeong Seok Jo. Ph.D. 2015. Texas Tech University. Forestry practices on herpetofaunal diversity and abundance.
- 2015-2016 M. Usman Ali Hashmi Ph.D University of Karachi, Pakistan. Rapid urbanization impacts to herpetofauna on the megacity scale.
- 2015-2016 Amtyaz Safi Ph.D. University of Karachi, Pakistan. 2007. Population genetics of the giant river turtle *Orlitia* derived from microsatellites.
- 2015-2016 Ivana Mali Ph.D. Texas State University 2014. Population structure in commercially harvested turtle species.
- 2013-2014 David Rodriguez Ph.D. Texas Tech University 2007. Applications of sustainability using molecular markers and monitoring approaches.
- 2012-2014 Shawn McCracken Ph.D. Texas State University 2012. Molecular evolution of the *Pristimantis* group (Anura).
- 2000-2001 Jennifer Pastorini Ph.D. University of Zurich 2000. Population genetics and molecular evolution in the Lemuridae.

Ph.D. STUDENTS SUPERVISED:

Current: 3 (Chair), 3 total

- Grant Basset (Ph.D. 2021-2025 exp). Conservation context for *Graptemys caglei*. Texas State University, San Marcos, TX. Chair.
- Saunders Drukker (Ph.D. 2019-2023 exp). Herpetofaunal community recovery under different wildfire recovery options. Texas State University, San Marcos, TX. Chair.
- Zach Adcock (Ph.D. 2012-exp 2016). Ecology and systematics of the *Eurycea* on the northern Edwards Plateau of Texas. Texas State University, San Marcos, TX. Chair.

Graduates: 11 as Chair/co-Chair, 19 total

- Shashwat Sirsi Ph.D. 2021. The impact of dispersal assessment methods on the resulting management interpretations of endangered species stewardship. Texas State University, San Marcos, TX. Chair.
- Andrea Villamizar-Gomez Ph.D. 2019. Chytrid in Texas. Texas State University, San Marcos, TX. Chair.
- Andrew MacLaren Ph.D. 2019. Autonomous audio and the autecology of amphibian chorusing. Texas State University, San Marcos, TX. Chair.
- Melissa Jones Ph.D. 2015. Efficacy and efficiency of head-starting and captive propagation of an endangered amphibian: Implications for continued population and habitat management following catastrophic wildfire. Texas State University, San Marcos, TX. Chair.
- Adam Duarte Ph.D. 2015. Accurately assessing populations in the face of parametric uncertainty. Texas State University, San Marcos, TX. Committee member.
- Suvidha S. Samant Ph.D. 2015. Microbial ecology of *Frankia* sp. under different environmental conditions. Texas State University, San Marcos, TX. Committee member.
- Ivana Mali Ph.D. 2014. Freshwater turtles as a renewable resource: Using the Red-Eared slider (*Trachemys scripta elegans*) as a model species. Texas State University, San Marcos, TX. Chair.
- Brian Mealey Ph.D. 2014. Vertebrate ecology of the Florida Bay estuarine vertebrates. Florida Atlantic University. Davie, FL. Committee member.
- Donald Brown Ph.D. 2013. Aquatic ecosystem effects from prescribed fire in southern forests. Texas State University, San Marcos, TX. Chair.
- Shawn McCracken Ph.D. 2012. Modeling hydrologic patterns correlated with diversity in tropical amphibians. Texas State University, San Marcos, TX. Chair.

- James (Buddy) Gaertner Ph.D. 2010. The autecology of Salmonella. Texas State University, San Marcos, TX. Committee member.
- Jake Jackson Ph.D. 2010. Consequences of anthropogenic changes in the Rio Grande drainage on vertebrate community composition and population dynamics. Texas State University, San Marcos, TX. Chair.
- Diana McHenry Ph.D. 2010. Genetic variation and population structure in the endangered Houston toad in contrast to its common sympatric relative, the coastal plain toad. University of Missouri, Columbia, MO. Co-Chair.
- Allana Welsh Ph.D. 2009. Microbial ecology of the soil bacteria, *Frankia*. Texas State University, San Marcos, TX. Committee member. Current Position: Post doc, Upsalla, Sweden.
- Todd Swannack Ph.D. 2007. Ecology of the Houston toad (*Bufo houstonensis*). Texas A&M University, College Station, TX. Committee member. Current Position: Post doc, Texas A&M University
- David Rodriguez Ph.D. 2007. The genetics of endangered species recovery: an example from *Crocodylus acutus*. Texas Tech University. Lubbock, TX. Co-Chair. Current Position: NSF post doc, Cornell University.
- Jennifer Pastorini Ph.D. 2000. Molecular systematics of lemurs. University of Zürich, Zürich, Switzerland. Co-chair. Current Position: Research Scientist, Centre for Conservation and Research, 35 Gunasekara Gardens, Nawala Road, Rajagiriya, Sri Lanka.
- Adura Adnan Ph.D. 1999. Conservation genetics of the Malaysian mouse deer (*Tragulus*). University of Malaysia, Kuala Lumpur, Malaysia. External Advisor. Current Position: Assistant professor, University of Malaysia, Kuala Lumpur, Institute of Biotechnology and Life Sciences, KL, Malaysia.
- Wen Wang Ph.D. 1996. Conservation genetics of the Chinese leaf monkeys. Kunming Institute, Kunming, China. External Advisor. Leader, Max Planck Junior Research Group on Evolutionary genomics and deputy director of the Key laboratory of cellular and molecular evolution, and Assistant director of the Kunming institute of Zoology, Chinese Academy of Sciences.

M.Sc. STUDENTS SUPERVISED: Current: 4 (Chair); 5 total

- Francisco Rodriguez (M.Sc. 2020-exp2022). Nesting ecology of the Rio Grande cooter (*Pseudemys gorzugi*) on the Black River, New Mexico. East New Mexico University, Portales, NM. Committee member.
- Rachel Brown (M.Sc. 2020-exp2023). Diet of wild Houston toads (*Bufo houstonensis*). Texas State University. San Marcos, TX. Chair.
- Steven Witkowski (M.Sc. 2020-exp2022). Population genetic implications of isolated habitat patches for the Timber rattlesnake in Texas. Texas State University. San Marcos, TX. Chair.
- Ferris Zughaiyir (M.Sc. 2019-exp2021). Population genetic consequences of headstarting and wild population supplementation in the Houston toad. Texas State University. San Marcos, TX. Chair.
- Dalton Neuharth (M.Sc. 2018-exp2020). Lizard communities in areas of catastrophic wildfire differentially treated to achieve forest recovery. Texas State University. San Marcos, TX. Chair.

Graduates: 37 (Chair); 65 total

2020

- Alexis P. Lamberts. M.A. 2021. Assessing the range of Houston toad (*Bufo* (= *Anaxyrus*) *houstonensis* relative to soil, geology, and vegetation cover over three decades in Bastrop County, Texas. Geography Department, Texas State University, San Marcos, TX. Committee member.
- Grant Bassett M.Sc. 2021. The diet of the Rio Grande Cooter (*Pseudemys gorzugi*) in the San Felipe Creek, Texas with an isotopic comparison to the syntopic Red-eared slider (*Trachemys scripta elegans*). Texas State University. San Marcos, TX. Chair.
- Heather Beck M.Sc. 2021. The various blood meal sources of triatomines, and feral hogs as a potential reservoir for *Trypanosoma cruzi* in south central Texas. Texas State University. San Marcos, TX. Chair.

- Sazida Binta Islam M.Sc. 2020. Herpetofauna species classification from camera trap images using deep neural network for conservation monitoring. Department of Engineering, Texas State University. San Marcos, Texas. Committee member.
- Shafinaz Islam M.Sc. 2020. A call recognition approach for endangered or threatened chorusing amphibian species using deep learning architectures. Department of Engineering, Texas State University. San Marcos, Texas. Committee member.
- Rebecca Kilgore M.Sc. 2020. Detection of *Trypanosoma cruzi* in animals from central Texas, USA. Texas State University. San Marcos, TX. Committee member.
- 2019**
- Austin Bohannon M.Sc. 2019. Reproductive Ecology of the Rio Grande Cooter (*Pseudemys gorzugi*). Texas State University. San Marcos, TX. Chair.
- Abdullah Al Bashit M.E. 2019. A Comprehensive Solar Powered Real-Time Remote Monitoring and Identification of Houston Toad Call Automatic Recording Device System Design. Texas State University. San Marcos, TX. Committee member.
- Maxie Kiehne M.Sc. 2019. An assessment of the standard detection method for an elusive species – the Dune sagebrush lizard (*Sceloporus arenicolus*). Texas State University. San Marcos, TX. Chair.
- 2018**
- William Wilson Non-Thesis M.Sc. 2015-2018. Texas State University. San Marcos, TX. Committee member.
- 2017**
- James (Payton) Prather M.Sc. 2015-2017. Road ecology: creating safe detection with high efficiency in road kill surveys. Texas State University. San Marcos, TX. Chair.
- William Keitt (M.Sc. 2015-2017). Evaluating the Detection of Seasonally Present, Pond-Breeding Amphibians Using Environmental DNA: A Case Study with the Houston Toad (*Bufo* [= *Anaxyrus*] *houstonensis*). Texas State University. San Marcos, TX. Chair.
- Thomas L. Marshall M.Sc. (2015-2017). Population genetics of a fungal amphibian pathogen in central Texas. Texas State University. San Marcos, TX. Committee member.
- 2016**
- Madeleine J. Marsh M.Sc. (2014-2016). Fire ants, habitats, and juvenile Houston toad survivorship. Texas State University. San Marcos, TX. Chair.
- Sara Robertson M.Sc. (2014-2016). Microbial metagenomics and the response of biofilms to treatment reductive forces. Texas State University. San Marcos, TX. Committee member.
- Joe Jandle M.Sc. (2013-2016). Grazing influence on selected parameters of the avian community on a Texas hill country ranch. Texas State University. San Marcos, TX. Committee member.
- 2015**
- Justin Crowe M.Sc. (2013-2015). Effects of Temperature and nitrogenous wastes on survival and growth of the Barton Springs salamander (*Eurycea sosorum*). Texas State University. San Marcos, TX. Committee member.
- Adriana Aleman M.Sc. (2013-2015). The prevalence of Chagas Disease (*Trypanosoma cruzi*) in Texas rodent populations. Texas State University. San Marcos, TX. Committee member.
- Shawntel Lopez M.Sc. (2013-2015). The effects of net confinement and rapid salinity change on Red drum (*Sciaenops ocellatus*) fed supplemented diets. Texas State University. San Marcos, TX. Committee member.
- Elise C. Valdes M.Sc. (2013-2015). Effect of compost tea on plant growth performance and the fate of microbial communities in soil. Texas State University. San Marcos, TX. Committee member.
- Erica M. Molina M.Sc. (2013-2015). The physiological effect of hypersalinity and temperature on survival of juvenile Red drum (*Sciaenops ocellatus*). Texas State University. San Marcos, TX. Committee member.
- Derek Wallace M.Sc. (2012-2015). A spatiotemporal habitat fragmentation analysis for the Houston toad (*Bufo houstonensis*). Texas State University. San Marcos, TX. Chair.
- Lauren Schumacher M.Sc. (2012-2015). Population genetics of the Big Bend slider (*Trachemys gaigeae*

- gaigeae*) and the Red-eared slider (*Trachemys scripta elegans*) in the contact zone of the Lower Rio Grande drainage of Texas. Texas State University. San Marcos, TX. Chair.
- Andrew MacLaren M.Sc. (2014-2015). Automated detection of rare and endangered anurans using robust and reliable detection software. Texas State University. San Marcos, TX. Chair.
- Anjana Parandhaman M.Sc. (2013-2015). Using a Habitat Suitability Model and Molecular Analyses to Aid in the Conservation Management of the Texas Tortoise, *Gopherus berlandieri*. Texas State University. San Marcos, TX. Chair.
- 2013**
- Andrea Villamizar-Gomez (2011-2013). Prevalence of *Batrachochytrium dendrobatidis* in amphibian communities of Central Texas and Tamaulipas Mexico as shown by molecular detection methods. Texas State University. San Marcos, TX. Chair.
- Devin Preston M.Sc. (2010-2013). Predation-related chemical cues decrease the activity levels of Houston toad (*Bufo houstonensis*) and Coastal Plain toad (*Bufo nebulifer*) tadpoles. Texas State University. San Marcos, TX. Chair.
- 2012**
- Amber Harper M.Sc. (2008-2012). Comparative methods for assessing drought impacts on nongame wildlife resources. Texas State University. San Marcos, TX. Chair.
- 2011**
- Megan Lindsay (M.Sc. 2009- 2011). Turtle effects in pond ecosystems. Texas State University. San Marcos, TX. Committee Member.
- 2010**
- Naveen Mahato M.Sc. (2008-2010). Conservation planning in the red panda of Nepal. Texas State University. San Marcos, TX. Chair.
- Amanda Schultz M.Sc. (2009-2010). Inferring population changes of freshwater turtles in south Texas. Texas State University. San Marcos, TX. Chair.
- Brian Dickerson M.Sc. (2009-2010). Impacts of urbanization on freshwater turtle demographics. Texas State University. San Marcos, TX. Chair.
- 2009**
- Romey Swanson M.Sc. (2007-2009). Amphibian, Reptile and Mammal Assemblages of Palmetto State Park and the Ottine Wetlands with Comparisons to Historical Data. Texas State University. San Marcos, TX. Committee Member.
- Vincent Farallo M.Sc. (2007-2009). Documenting predation dynamics of mottled rock rattlesnakes (*Crotalus lepidus lepidus*) toward an understanding of adaptive color hypotheses. Texas State University. San Marcos, TX. Chair.
- 2008**
- Donald Brown M.Sc. (2007-2008). The effects of three decades of change on the south Texas aquatic turtle community. Texas State University. San Marcos, TX. Chair. Current position: Research/Assist Professor
- Akiko Fujii M.Sc. (2006-2008). Conservation genetics in Texas tortoises (*Gopherus berlandieri*). Texas State University. San Marcos, TX. Chair. Last known Position: Research Technician, Clinical diagnostic HQ, Japan.
- Michele Gaston M.Sc. (2006-2008). Are common reptile and amphibian taxa also in decline? Texas State University, San Marcos, TX. Chair. Current position: TPWD.
- Julie Parlos M.Sc. (2005-2008). Effects of roost size on the metapopulation genetics in microchiropterans. Texas State University. San Marcos, TX. Chair. Current Position: Doctoral student, TTU.
- Daniela Buzo M.Sc. (2006-2008). A GIS model for identifying potential breeding habitat for the Houston toad. Texas State University. San Marcos, TX. Chair.
- 2007**
- David Von Miller M.A. (2004-2007). A GIS approach for the Texas Diamondback terrapin, *Malaclemys terrapin littoralis* applicable for management and conservation priorities. University of West Florida,

- Pensacola, FL. Practicum Supervising Advisor (Faculty Chair). Current Position: Undergraduate Advisor, College of Science, TXState.
- James (Buddy) Gaertner M.Sc. (2005-2007). Tracking wildlife pathogens in applications of ecosystem management. Texas State University. San Marcos, TX. Committee member. Current position: Industry scientist.
- John McVay M.Sc. (2004-2007). Phylogeography of the blotched watersnake (*Nerodia erythrogaster*) in Texas. Texas Tech University. Lubbock, TX. Committee member. Current Position: Doctoral student, LSU.
- 2006**
- Zach Gompert M.Sc. (2004-2006). Evolutionary consequences of hybridization in the *Lycaides* species complex. Texas State University. San Marcos, TX. Committee member. Last known Position: Doctoral Student, University of Cambridge, UK.
- Melissa Jones. M.Sc. 2006. Effects of prescribed burns on small mammal populations with comments on amphibian populations. Texas State University. San Marcos, TX. Chair. Current Position: Lecturer, Comparative Anatomy, Virginia.
- Angela Feltoon M.Sc. 2006. Conservation genetics using mtDNA and microsatellite markers in the beaded lizards. Texas State University. San Marcos, TX. Chair. Current Position: Sales manager, Stratagene, Bastrop, TX.
- 2005**
- Adam Ferguson M.Sc. 2005. Predation effects and consequences to pit fall survey assessments of vertebrate fauna. Texas State University. San Marcos, TX. Chair. Current position: Doctoral Student TTU.
- Lindley Bailey M.Sc. 2005. Conservation genetics in Texas river turtles. Texas State University. San Marcos, TX. Chair. Last known Position: Air Quality Planning section, TCEQ, Austin, Texas. (512) 239-0003.
- Maurine Spencer M.Sc. 2005. Population genetics of locally endemic butterflies. Texas State University. San Marcos, TX. Committee member. Last known Position: IPC High School teacher, Dallas, TX.
- Jonas Rosenthal M.Sc. 2005. Phylogeographic signatures of a Pleistocene lake in west Texas. Texas State University. San Marcos, TX. Chair. Last known Position: Human ancestry researcher, laboratory technician, Trace Genetics, Richmond, CA.
- 2004**
- Christa Bates M.Sc. 2004. Gene regulation in biofilm formation. Texas State University, San Marcos, TX. Committee member. Current Position: Laboratory Technician, Ambion, Inc., Austin, TX.
- Nicole Burpo M.Sc. 2004. Dietary protein effects on the Black Knob Sawback (*Graptemys nigrinoda*). Texas State University. San Marcos, TX. Chair. Current Position: Research Scientist, Division of Waste Management, 14 Reilly Road, Frankfort, KY 40601, (502) 564-6716 ext. 244, Fax (502) 564-2705.
- Prasad Phatarpekar M.Sc. 2004. Isolation and sequencing of Muscarinic Acetylcholine Receptor genes from fish. Texas State University. San Marcos, TX. Committee member. Current Position: doctoral student, University of Oklahoma
- Kensley Greuter M.Sc. 2004. Survivorship and growth in the endangered Houston toad. Texas State University, San Marcos, TX. Chair. Current Position: Environmental consultant, San Antonio, TX.
- Dijar Lutz-Carillo M.Sc. 2004. Evaluation of polymorphic microsatellite loci in largemouth bass (*Micropterus salmoides*). Texas State University, San Marcos, TX. Committee member. Current Position: Research scientist, population genetics, TPWD, San Marcos, TX
- 2003**
- Sue Morris M.Sc. 2003. Systematic status of *Blarina* in the Lost Pines, Bastrop Co. TX. Texas State University, San Marcos, TX. Chair.
- Gina Lobban M.Sc. 2003. Molecular dynamics of intra-erythrocyte parasites in chelonian populations. SWTSU, San Marcos, TX. Chair. Current Position: Instructor, community college
- 2002**

Diana McHenry M.Sc. 2002. Molecular systematics of the Texas genera of Nyctaginaceae. SWTSU, San Marcos, TX. Chair. Current Position: doctoral student, University of Missouri, Columbia, MO
Mike McFadden M.Sc. 2002. Phylogenetic evaluation of the Corn snake (*Elaphe guttata*). SWTSU, San Marcos, TX. Chair. Current Position: Veterinarian in private practice.
Dolores Weisbaum M.Sc. 2002. Description and distribution of antennular setae of Scyllarid lobsters (*Scyllarides aequinoctialis*, *S. latus*, and *S. nodifer*) with comments on their possible function. SWTSU, San Marcos, TX. Chair. Current Position: Technician, UTMB, Galveston, TX
Matt Stephens M.Sc. 2002. Phylogenetic dynamics of feeding apparatus in cichlid fishes. SWTSU, San Marcos, TX. Committee member.

2001

Lindsay Miller M.Sc. 2001. Effects of hurricane Georges on a population of *Malaclemys terrapin* in Florida bay. FAU, Davie, FL. Co-chair. Current Position: Instructor, Nova SE University, Davie, FL.
Jamie D. Dixon M.Sc. 2001. The genetic constitution of a possible *alpha*-actinin isoform. SWTSU, San Marcos, TX. Committee member. Current Position: Self employed, Bulverde, TX
Janie Nelan M.Sc. 2001. Egg comparisons and volume estimation methods between the common musk turtle (Kinosternidae: *Sternotherus odoratus*) and the Texas tortoise (Testudinidae: *Gopherus berlandieri*). SWTSU, San Marcos, TX. Committee member. Current Position: doctoral student, UT Arlington, Arlington, TX
Katy Windham M.Sc. 2001. Acyl-homoserine lactone recruitment of bacteria into biofilms. SWTSU, San Marcos, TX. Committee member. Research Technician II, Cornell University, Ithaca, NY.

2000

Chris White M.Sc. 2000. Phylogenetic relationships among members of the crinoid family Comasteridae from DNA sequence analyses of extant taxa. NOVA, Davie, FL. Committee member.

1999

Pat Razzano, M.Sc. 1999. Genetic variation in North American populations of the six-lined racerunner (*Cnemidophorus sexlineatus*). Hofstra University, Long Island, NY. External Advisor. Current Position: North Shore/LIJ Research Institute, Manhasset, NY 11030.

PROFESSIONAL SERVICE:

International:

Genetic and wildlife research capacity in Cambodia 2014-2016
Science Capacity Building for Cambodia 2013-2014
Gharial Survival Alliance species recovery plan working group 2009-2013
Scientific advisory group member, Institute of Biotechnology, University of Malaysia 1999-2013
IUCN Turtle Survival Alliance founding partner, 2001-2008
IUCN/TSA/SSC Steering committee member, 2003-2007
IUCN/TSA/SSC TMG Chair (*Erymnochelys madagascariensis*), 2005-2007
IUCN/TSA/SSC TMG co-Chair (*Erymnochelys madagascariensis*), 2003-2005
IUCN/TSA/SSC Scientific advisor, 2002-2004
IUCN/TSA/SSC TMG Chair (*Heosemys grandis*), 2001- 2005

National:

Houston toad habitat delivery team, 2010-present
Houston toad Recovery team member, 2001-present
Elect Member, Board of Scientists, Chihuahuan Desert Research Council 1999-present
Grant Reviewer: NSF, National Geographic, IUCN/TSA, National Wildlife Federation
Molecular Ecology, Molecular Evolution
Tewksbury Herpetological Institute, Advisory board member, 2003-2005

State:

Bastrop County Environmental Recovery and Rehabilitation Team 2011-present
Bastrop County Wildlife Management subcommittee 2011-present
Bastrop County Habitat restoration subcommittee 2011-present

Texas Conservation Action Plan, Core team 2010-present
Lost Pines Habitat Conservation Plan, Biological Advisory team 2009-present
Grant reviewer: Texas Academy of Science
President-Texas Herpetological Society 2005-2006
President Elect-Texas Herpetological Society 2004-2005
Vice President- Texas Herpetological Society, 2003-2004
Professional Advisor (exotics), City of Austin, Town Lake Animal Shelter, 2001-2005
Houston toad Biological Advisory council, 2000-2002
Scientific Review Board, Miami Museum of Science, 1999-2003

Texas State University:

University Ambassadors Council: Department of Biology Representative, 2006-present
IACUC-committee member, 2000-2004, 2010-2016
IACUC-Chair, 2004-2010
Freeman Center strategic plan development committee Chair 2012-2013
Proposal development and submission committee 2011-2013
Blanket travel policy committee 2011-2012
Texas State Vivarium proposal committee 2009-2011
Freeman Ranch Advisory Board, 2004-2011
Academic Computing Committee, 2008-2010
College Review Committee (alternate) 2008-2010
College Representative, Research Enhancement Program 2011-2013
Presidential award (Scholarship), Selection committee member, 2001-2002
Mitte Chair in Water Search Committee member 2007
Presidential Award (Scholarship), Selection committee member, 2006-2007

Department of Biology:

Graduate committee, member 2001-present
Space committee, Chair 2012-present
Development Committee, member 2006-present
Computers and Network committee, member 2004-2010
Aquarena Building Management Committee, Chair 2008-2010
Land and Properties Use Committee, Chair 2004-2008
Space committee, Chair 2007-2008, member 2005-2007
Norris Award committee 2005-2010
Research committee, member 2004-2007
Tenure/promotion/continuance committee, member 2004-2005
Mitte Chair development committee, member 2004-2006
Academic Program review committee, member 2004-2005
Safety committee, 2001-2005
Annual Review committee (Scholarship), member 2004-2005
Planning committee, 2002-2004

MEMBERSHIPS:

Society for the Study of Amphibians and Reptiles, 1998-present
Southwestern Association of Naturalists 2005-present
Society of Systematic Biologists, 2001-2010
Texas Academy of Science, 2000-2004
American Society of Ichthyologists and Herpetologists, 1998-2000

SUGGESTED REFERENCES:

Scott K. Davis, Ph.D. (retired)
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