TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Michael R. Forstner Title: Regents' Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	1995	Texas A&M University	Genetics	
MS	1991	Sul Ross State University	Biology	
BS	1988	Texas State University	Biology- Zoology	

C. University Experience

Position	*University*	*Comments*	*Dates*
Regent's Professor	Texas State University System. Austin, TX		2013 - Present
University Distinguished Professor	Texas State University. Austin		2013 - Present
Alexander-Stone Chair of Genetics	Texas State University		2008 - Present
Professor of International Studies	. San Marcos, TX		2008 - Present
Professor	Texas State University. San Marcos, TX		2007 - Present
Curator Vertebrate Collections	Texas State University. San Marcos, TX		2005 - Present
Assistant Professor	Florida Atlantic University. Davie, FL		1997 - 1999
Research Officer (Post-Doctoral)	Columbia University. New York, NY		1995 - 1999

D. Relevant Professional Experience

Position	*Entity*	*Comments*	*Dates*
Research Associate	Texas Tech Museum, Texas Tech University, Lubbock		2007 - Present
Research Associate	Texas Tech Museum, Texas Tech University, Lubbock, TX		2007 - Present
Visiting Research Associate	Texas Cooperative Wildlife Collection, Texas A&M University, College Station		2003 - Present
Visiting Research Associate	Texas Cooperative Wildlife Collection, Texas A&M University, College Station, TX		2003 - Present

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Regent's Professor, Texas State University, by the Board of Regents of the Texas State University System.
2013 - Present

B. Courses Taught:

Texas State University:

BIO 1420 - GENERAL ZOOLOGY

BIO 2450 - GENETICS

BIO 3400 - EVOLUTION & GENETICS

BIO 4299 - UNDERGRAD RES

BIO 4319 - CON BIO RESOURCE

BIO 4434 - HERPETOLOGY

BIO 5114 - RESEARCH EXPER

BIO 5199B - THESIS

BIO 5214 - RESEARCH EXPER

BIO 5299B - THESIS

BIO 5314 - RESEARCH EXPER

BIO 5399A - THESIS

BIO 5399B - THESIS

BIO 5466 - PHYLOGENETICS METH

BIO 5599B - THESIS

BIO 5999B - THESIS

BIO 7102 - SEMINAR AQ RES

BIO 7114 - RESEARCH EXPER

BIO 7199A - DISSERTATION

BIO 7199A - DISSERTN AQUA RES

BIO 7214 - RESEARCH EXPER

BIO 7299A - DISSERTATION

BIO 7302 - PROBS AQ RES

BIO 7303 - RESEARCH

BIO 7314 - RESEARCH EXPER

BIO 7399A - DISSERTATION

BIO 7399A - DISSERTN AQUA RES

BIO 7402 - MOLEC FIELD METHOD

BIO 7434 - HERPETOLOGY

BIO 7466 - PHYLOGENETICS

BIO 7699A - DISSERTATION

BIO 7699A - DISSERTN AQUA RES

BIO 7999A - DISSERTATION

Florida Atlantic University:

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Supervisor / Chair, Dissertation, "Characterization of microbiome variation in reptiles and amphibians: from the wild to captivity", Status: In Progress. (August 2024 - Present). Biology, Texas State University.
Student(s): Sam Godwin, Doctoral, Ph.D.

Supervisor / Chair, Master's Thesis, "Apicomplexan diversity and prevalence in Houston Toads", Status: In Progress. (July 2024 - Present). Biology, Texas State University.
Student(s): Eva Chukwindi, M.Sc.

Supervisor / Chair, Master's Thesis, "Diet of the Houston Toad", Status: Proposal. (September 2020 - Present). Biology, Texas State University.
Student(s): Rachel Brown, M.Sc.

Supervisor / Chair, Dissertation, "Understanding the Lasting Effects of Wildfires on Montane Rattlesnake (Crotalus sp.) Natural History in the American Southwest.", Status: Proposal. (2020 - Present). Biology, Texas State University.
Student(s): Saunders Drukker, Doctoral, Ph.D.

Supervisor / Chair, Master's Thesis, "Determination and comparison of dietary sources of the endangered Houston toads (Bufo houstonensis), with the sympatric Gulf coast toad (Bufo nebulifer) in the Lost Pines ecoregion", Status: Completed. (2025). Biology, Texas State University.
Student(s): Rachel Brown, M.Sc.

Supervisor / Chair, Master's Thesis, "Population genetic implications of isolated habitat patches for the Timber rattlesnake in Texas.", Status: Proposal. (2020 - 2023). Biology, Texas State University.
Student(s): Stephen Witkowski, Graduate, M.Sc.

Supervisor / Chair, Master's Thesis, "Assessing the current direction of hybridization between the federally endangered Houston toad (Bufo houstonensis) with the sympatric Gulf Coast toad (Bufo nebulifer) on the main recovery site within its designated critical habitat.", Status: Completed. (2019 - 2023). Biology, Texas State University.
Student(s): Ferris Zughaiyir, Graduate.

Supervisor / Chair, Master's Thesis, "Lizard communities in areas of catastrophic wildfire differentially treated to achieve forest recovery.", Status: Completed. (2018 - 2023). Biology, Texas State University.
Student(s): Dalton Neuharth, Graduate.

Supervisor / Chair, Dissertation, "Ecology and systematics of the Eurycea on the northern Edwards Plateau of Texas", Status: Completed. (2012 - 2023). Texas State University.
Student(s): Zach Adcock, Doctoral.

Supervisor / Chair, Dissertation, "The natural history, ecology, and molecular detection of Jollyville Plateau salamanders (Eurycea tonkawae).", Status: Completed. (December 2022). Biology, Texas State University.
Student(s): Zachary Adcock, Ph.D.

Member, Master's Thesis, "ASSESSING THE RANGE OF HOUSTON TOAD (BUFO [ANAXYRUS] HOUSTONENSIS) RELATIVE TO SOIL, GEOLOGY AND VEGETATION OVER THREE DECADES IN BASTROP COUNTY, TX", Status: Completed. (2019 - 2021). Geography, Texas State University.
Student(s): Alexis Lamberts, Graduate, M.A. Geography.

Supervisor / Chair, Master's Thesis, "The various blood meal sources of triatomines, and feral hogs as a potential reservoir for Trypanosoma cruzi in south central Texas.", Status: Completed. (2019 - 2021). Biology, Texas State University.
Student(s): Heather Beck, Graduate, M.Sc.

Supervisor / Chair, Master's Thesis, "The Diet of the Rio Grande Cooter (Pseudemys gorzugi) in San Felipe Creek, Texas with an Isotopic Comparison to the Syntopic Red-eared Slider (Trachemys scripta elegans)", Status: Completed. (2019 - 2021). Biology, Texas State University.
Student(s): Lawrence Basett, Graduate, M.Sc.

Supervisor / Chair, Dissertation, "The impact of dispersal assessment methods on the resulting management interpretations of endangered species stewardship", Status: In Progress. (2015 - 2021).
Student(s): Shashwat Sirsi, Doctoral.

Supervisor / Chair, Master's Thesis, "Reproductive Ecology of the Rio Grande Cooter (Pseudemys gorzugi)", Status: Completed. (2018 - 2019).
Student(s): Austin Bohannon, Graduate, MSc.

Supervisor / Chair, Master's Thesis, "An assessment of the standard detection method for an elusive species – the Dune sagebrush lizard (Sceloporus arenicolus).", Status: Completed. (2017 - 2019).

Student(s): Maxie Kiehne, Graduate, M.Sc.

Supervisor / Chair, Master's Thesis, "An assessment of the standard detection method for an elusive species – the Dune sagebrush lizard (Sceloporus arenicolus).", Status: Completed. (2017 - 2019).
Student(s): Maxie Kiehne, Graduate, MSc.

Supervisor / Chair, Dissertation, "Autonomous audio and the autecology of amphibian chorusing", Status: Completed. (2015 - 2019). Texas State University.
Student(s): Andrew MacLaren, Doctoral.

Supervisor / Chair, Dissertation, "Chytrid in Texas.", Status: Completed. (2013 - 2019).
Student(s): Andrea Villamizar-Gomez.

Supervisor / Chair, Master's Thesis, "Road ecology: creating safe detection with high efficiency in road kill surveys", Status: Completed. (2015 - 2017). Texas State University.
Student(s): James (Payton) Prather.

Supervisor / Chair, Master's Thesis, "Genomic inference of population connectivity among surface drainages in central Texas", Status: Completed. (2015 - 2017). Texas State University.
Student(s): William Keitt.

Supervisor / Chair, Master's Thesis, "Fire ants, habitats, and juvenile Houston toad survivorship", Status: Completed. (2014 - 2016). Texas State University.
Student(s): Madeleine Marsh.

Supervisor / Chair, Master's Thesis, "EFFECTS OF RED IMPORTED FIRE ANTS (Solenopsis invicta) ON JUVENILE HOUSTON TOADS (Bufo houstonensis) IN A COASTAL PRAIRIE GRASSLAND", Status: Completed. (2014 - 2016). Biology, Texas state university.
Student(s): Madeleine Marsh, M.Sc.

Member, Master's Thesis, "Microbial metagenomics and the response of biofilms to treatment reductive forces", Status: Completed. (2014 - 2016). Texas State University.
Student(s): Sara Robertson.

Member, Master's Thesis, "Accurately assessing populations in the face of parametric uncertainty", Status: Completed. (2015). Texas State University.
Student(s): Adam Duarte, Graduate.

Supervisor / Chair, Master's Thesis, "Efficacy and efficiency of head-starting and captive propagation of an endangered amphibian: Implications for continued population and

habitat management following catastrophic wildfire", Status: Completed. (2015). Texas State University.
Student(s): Melissa Jones, Graduate.

Master's Thesis, "Microbial ecology of Frankia sp. under different environmental conditions", Status: In Progress. (2015). Texas State University.
Student(s): Suvidha Samant, Graduate.

Supervisor / Chair, Master's Thesis, "Automated detection of rare and endangered anurans using robust and reliable detection software", Status: Completed. (2014 - 2015).
Student(s): Andrew MacLaren.

Member, Master's Thesis, "The prevalence of Chagas Disease (Trypanosoma cruzi) in Texas rodent populations", Status: Completed. (2013 - 2015). Texas State University.
Student(s): Adriana Aleman.

Supervisor / Chair, Master's Thesis, "Using a Habitat Suitability Model and Molecular Analyses to Aid in the Conservation Management of the Texas Tortoise, Gopherus berlandieri", Status: Completed. (2013 - 2015). Texas State University.
Student(s): Anjana Parandhaman.

Member, Master's Thesis, Status: Completed. (2013 - 2015).
Student(s): Elise Valdes.

Member, Master's Thesis, "The physiological effect of hypersalinity and temperature on survival of juvenile Red drum (Sciaenops ocellatus)", Status: Completed. (2013 - 2015). Texas State University.
Student(s): Erica Molina.

Member, Master's Thesis, "Grassland bird habitat usage in Central Texas hill country habitats used in cattle operations", Status: Completed. (2013 - 2015). Texas State University.
Student(s): Joe Jandle.

Member, Master's Thesis, "Effects of Temperature and nitrogenous wastes on survival and growth of the Barton Springs salamander (Eurycea sosorum)", Status: Completed. (2013 - 2015). Texas State University.
Student(s): Justin Crowe.

Member, Master's Thesis, "The effects of net confinement and rapid salinity change on Red drum (Sciaenops ocellatus) fed supplemented diets", Status: Completed. (2013 - 2015). Texas State University.
Student(s): Shawntel Lopez.

Supervisor / Chair, Master's Thesis, "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", Status: Completed. (2012 - 2015). Texas State University.
Student(s): Lauren Schumacher.

Supervisor / Chair, Dissertation, "Vertebrate ecology of the Florida Bay estuarine vertebrates", Status: Completed. (2014). Florida Atlantic University.
Student(s): Brian Mealey.

Supervisor / Chair, Dissertation, "Aquatic ecosystem effects from prescribed fire in southern forests", Status: Completed. (2013). Texas State University.
Student(s): Donald Brown.

Supervisor / Chair, Master's Thesis, "Predation-related chemical cues decrease the activity levels of Houston toad (Bufo houstonensis) and Coastal Plain toad (Bufo nebulifer) tadpoles", Status: Completed. (2013). Texas State University.
Student(s): Devin Preston.

Supervisor / Chair, Dissertation, "Comparative methods for assessing drought impacts on nongame wildlife resources", Status: Completed. (2012). Texas State University.
Student(s): Amber Harper.

Supervisor / Chair, Dissertation, "Modeling hydrologic patterns correlated with diversity in tropical amphibians", Status: Completed. (2012).
Student(s): Shawn McCracken.

Supervisor / Chair, Master's Thesis, "Turtle effects in pond ecosystems", Status: Completed. (2009 - 2011).
Student(s): Megan Lindsay.

Supervisor / Chair, Dissertation, "Population genetics and endemism, the Houston toad and sympatric proxy in understanding its historical population dynamics", Status: Completed. (2010). University of Missouri.
Student(s): Diana McHenry.

Supervisor / Chair, Dissertation, "The autecology of Salmonella", Status: Completed. (2010). Texas State University.
Student(s): James (Buddy) Gaertner.

Supervisor / Chair, Master's Thesis, "Conservation planning in the red panda of Nepal", Status: Completed. (2010). Texas State University.
Student(s): Naveen Mahato.

Supervisor / Chair, Master's Thesis, "Inferring population changes of freshwater turtles in south Texas", Status: Completed. (2009 - 2010).
Student(s): Amanda Schultz.

Master's Thesis, "Impacts of urbanization on freshwater turtle demographics", Status: Completed. (2009 - 2010). Texas State University.
Student(s): Brian Dickerson.

Supervisor / Chair, Dissertation, "Microbial ecology of the soil bacteria, Frankia", Status: Completed. (2009). Texas State University.
Student(s): Allana Welsh.

Master's Thesis, "Amphibian, Reptile and Mammal Assemblages of Palmetto State Park and the Ottine Wetlands with Comparisons to Historical Data", Status: Completed. (2009). Texas State University.
Student(s): Romey Swanson.

Supervisor / Chair, Master's Thesis, "Population genetics of mottled rock rattlesnakes (Crotalus lepidus lepidus) toward an understanding of adaptive color hypotheses", Status: Completed. (2009).
Student(s): Vincent Farallo.

Supervisor / Chair, Master's Thesis, "The effects of three decades of change on the south Texas aquatic turtle community", Status: Completed. (2007 - 2008). Texas State University.
Student(s): Donald Brown.

Supervisor / Chair, Master's Thesis, "Conservation genetics in Texas tortoises (Gopherus berlandieri)", Status: Completed. (2006 - 2008). Texas State University.
Student(s): Akiko Fujii.

Supervisor / Chair, Master's Thesis, "Conservation stewardship using GIS modeling and tools in habitat characterization of the Houston toad", Status: Completed. (2006 - 2008). Texas State University.
Student(s): Daniela Buzo.

Supervisor / Chair, Master's Thesis, "Are common reptile and amphibian taxa also in decline?", Status: Completed. (2006 - 2008). Texas State University.
Student(s): Michele Gaston.

Supervisor / Chair, Master's Thesis, "Effects of roost size on the metapopulation genetics in microchiropterans", Status: Completed. (2005 - 2008).
Student(s): Julie Parlos.

Supervisor / Chair, Dissertation, "The genetics of endangered species recovery: an example from Crocodylus acutus", Status: Completed. (2007). Cornell University.
Student(s): David Rodriguez.

Supervisor / Chair, Dissertation, "Ecology of the Houston toad (Bufo houstonensis)", Status: Completed. (2007). Texas A&M University.
Student(s): Todd Swannack.

Supervisor / Chair, Master's Thesis, "Tracking wildlife pathogens in applications of ecosystem management", Status: Completed. (2005 - 2007). Texas State University.
Student(s): James (Buddy) Gaertner.

Supervisor / Chair, Master's Thesis, "A GIS approach for the Texas Diamondback terrapin, Malaclemys terrapin littoralis applicable for management and conservation priorities", Status: Completed. (2004 - 2007). University of West Florida, Pensacola, FL.
Student(s): David Von Miller.

Supervisor / Chair, Master's Thesis, "Phylogeography of the blotched watersnake (Nerodia erythrogaster) in Texas", Status: Completed. (2004 - 2007). Texas Tech University.
Student(s): John McVay.

Supervisor / Chair, Master's Thesis, "Conservation genetics using mtDNA and microsatellite markers in the beaded lizards", Status: Completed. (2006). Texas State University.
Student(s): Angela Feltoon.

Additional Comments: Research Technician III, Ambion, a division of Applied Biosystems

Supervisor / Chair, Master's Thesis, "Effects of prescribed burns on small mammal populations with comments on amphibian populations", Status: Completed. (2006). Texas State University.
Student(s): Melissa Jones.

Supervisor / Chair, Master's Thesis, "Evolutionary consequences of hybridization in the Lycaides species complex", Status: Completed. (2004 - 2006). Texas State University.
Student(s): Zach Gompert.

Supervisor / Chair, Master's Thesis, "Predation effects and consequences to pit fall survey assessments of vertebrate fauna", Status: Completed. (2005). Texas State University.
Student(s): Adam Ferguson.

Supervisor / Chair, Master's Thesis, "Phylogeographic signatures of a Pleistocene lake in west Texas", Status: Completed. (2005).
Student(s): Jonas Rosenthal.

Additional Comments: Current Position: Human ancestry researcher, laboratory technician, Trace Genetics, Richmond, CA

Supervisor / Chair, Master's Thesis, "Conservation genetics in Texas river turtles", Status: Completed. (2005). Texas State University.
Student(s): Lindley Bailey.

Supervisor / Chair, Master's Thesis, "Population genetics of locally endemic butterflies", Status: Completed. (2005). Texas State University.
Student(s): Maurine Spencer.

Supervisor / Chair, Master's Thesis, "Gene regulation in biofilm formation", Status: Completed. (2004). Texas State University.
Student(s):

Additional Comments: Current Position: Laboratory Technician, Ambion, Inc.

Supervisor / Chair, Master's Thesis, "Evaluation of polymorphic microsatellite loci in largemouth bass (Micropterus salmoides)", Status: Completed. (2004). Texas State University.
Student(s): Dijar Lutz-Carillo.

Supervisor / Chair, Master's Thesis, Status: Completed. (2004).
Student(s): Kensley Greuter.

Supervisor / Chair, Master's Thesis, "Isolation and sequencing of Muscarinic Acetylcholine Receptor genes from fish", Status: Completed. (2004).
Student(s): Prasad Phatarpekar.

Additional Comments: Current Position: doctoral student, University of Oklahoma

Supervisor / Chair, Master's Thesis, "Molecular dynamics of intra-erythrocyte parasites in chelonian populations", Status: Completed. (2003).
Student(s): Gina Lobban.

Supervisor / Chair, Master's Thesis, "Molecular systematics of the Texas genera of Nyctaginaceae", Status: Completed. (2002). SWTSU.
Student(s): Diana McHenry.

Supervisor / Chair, Master's Thesis, "Description and distribution of antennular setae of Scyllarid lobsters (Scyllarides aequinoctialis, S. latus, and S. nodifer) with comments on their possible function", Status: Completed. (2002). SWTSU.

Student(s): Dolores Weisbaum.

Supervisor / Chair, Master's Thesis, "Phylogenetic dynamics of feeding apparatus in cichlid fishes", Status: Completed. (2002). SWTSU.
Student(s): Matt Stephens.

Supervisor / Chair, Master's Thesis, "Phylogenetic evaluation of the Corn snake (Elaphe guttata)", Status: Completed. (2002). SWTSU.
Student(s): Mike McFadden.

Supervisor / Chair, Master's Thesis, "Phylogenetic evaluation of the Corn snake (Elaphe guttata)", Status: Completed. (2002).
Student(s): Mike McFadden.

Supervisor / Chair, Master's Thesis, "The genetic constitution of a possible alpha-actinin isoform", Status: Completed. (2001). SWTSU.
Student(s): Jamie Dixson.

Supervisor / Chair, Master's Thesis, "Egg comparisons and volume estimation methods between the common musk turtle (Kinosternidae: Sternotherus odoratus) and the Texas tortoise (Testudinidae: Gopherus berlandieri)", Status: Completed. (2001). SWTSU.
Student(s): Janie Nelan.

Master's Thesis, "Effects of hurricane Georges on a population of Malaclemys terrapin in Florida bay", Status: Completed. (2001). FAU.
Student(s): Lindsay Miller.

Supervisor / Chair, Dissertation, "Molecular systematics of lemurs", Status: Completed. (2000). University of Zürich, Zürich.
Student(s): Jennifer Pastorini.

Supervisor / Chair, Master's Thesis, "Phylogenetic relationships among members of the crinoid family Comasteridae from DNA sequence analyses of extant taxa", Status: Completed. (2000).
Student(s): Chris White.

Supervisor / Chair, Master's Thesis, "Genetic variation in North American populations of the six-lined racerunner (Cnemidophorus sexlineatus)", Status: Completed. (1999). Hofstra University.
Student(s): Pat Razzano.

Supervisor / Chair, Dissertation, "Conservation genetics of the Chinese leaf monkeys", Status: Completed. (1996). Chinese Academy of Sciences.
Student(s): Wen Wang.

Additional Comments: 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

D. Courses Prepared and Curriculum Development:

Curriculum Development: 1925.

Additional Comments: BIO 2450 Genetics
BIO 4369 Biosystematics
BIO 5466 Phylogenetic Methods
BIO 7466 Advanced Phylogenetics
BIO 7402 Molecular Field Techniques

G. Teaching Professional Development Activities Attended

Workshop, "Threats to the Houston toad and research toward its conservation," National Wildlife Federation. (December 22, 2003).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

a. Scholarly Monographs:

Non-refereed:

Dixon, J. R., Werler, J. E., & Forstner, M. R. J. (2020). *Texas Snakes: A field guide. Revised edition.* Austin Texas, USA: University of Texas Press.

d. Chapters in Books:

Refereed:

Forstner, M. R., & Rosenthal, J. (2011). Effects of a Pleistocene Barrier on Chihuahuan desert herpetofauna.

Forstner, M. R., & Crump, P. (2011). Population supplementation of the Houston toad in Texas, USA. In *Global reintroduction perspectives (re-introduction case studies from around the globe) 3rd Edition*.

Forstner, M. R., Dixon, J. R., Guerra, T. M., McKnight, J. L., Stuart, J., & Davis, S. K. (2011). Status of U.S. populations of the Big Bend slider (Trachemys gaigeae).

Forstner, M. R., Bailey, L., Dixon, J. R., & Hudson, R. (2011). The Status of Pseudemys gorzugi (The Rio Grande River Cooter) in Texas River Systems.

Forstner, M. R., Miller, L. A., Baldwin, B. K., & Parks, G. M. (2005). Insights into turtle conservation from observations of the diamondback terrapin. In *Conservation of Florida reptiles and amphibians*. Krieger Publishing, Malabar, FL.

Additional Comments: Malaclemys terrapin in Florida Bay

Forstner, M. R. (2001). Microsatellite markers for Crocodylus: new genetic tools for population genetics, mating system studies and forensics. In *Crocodile Biology and Evolution*.

Forstner, M. R., White, C. M., Messing, C. G., & Shivji, M. S. (2000). Initial phylogeny of the Comasteridae (Crinoidea) from mtDNA sequences (pp. 135–138). Dunedin, N.Z.

2. Articles:

a. Refereed Journal Articles:

Brush, J., Oyervides, M., & Forstner, M. R. (Accepted / In Press). Geographic Distribution. Starr County, Texas. Pseudemys gorzugi. *Herpetological Review*.

Mock, C. C., Oyervides, M., & Forstner, M. R. (Accepted / In Press). Geographic Distribution. Bandera County, Texas. Eleuthrodactylus cystignathoides (=Syrrophus cystignathoides). *Herpetological Review*.

Whitworth, M. E., Adcock, Z., McCracken, S. F., & Forstner, M. R. (Accepted / In Press). Geographic Distribution. Hill County, Texas. Hemidactylus turcicus. *Herpetological Review*.

Tleimat, J. M., Bintliff, C. J., MacLaren, A. R., Forstner, M. R., & McCracken, S. F. (Accepted / In Press). Geographic Distribution. Terrell County, Texas. Leptotyphlops [=Rena] dulcis dulcis. *Herpetological Review*.

Johns, P. E., Adcock, Z. C., McCracken, S. F., & Forstner, M. R. (Accepted / In Press). Geographic Distribution. Zavala County, Texas. Hemidactylus turcicus. *Herpetological Review*.

Hernandez, J., Villamizar-Gomez, A., & Forstner, M. R. (Accepted / In Press). Geographic Distribution. Lavaca County, Texas. Anolis sagrei. *Herpetological Review*.

Villamizar-Gomez, A., Forstner, M. R., & Mali, I. (Accepted / In Press). Prevalence of Batrachochytrium dendrobatidis in two sympatric Tree frog species, Hyla cinerea and Hyla versicolor. *Herpetological Review*.

Weaver, S., Forstner, M. R., & Durish, N. D. (Accepted / In Press). Geographic Distribution. Eastland County, Texas. Hemidactylus turcicus. *Herpetological Review.*

Krejca, J. K., McHenry, D. J., McDermid, K. M., & Forstner, M. R. (Accepted / In Press). Genetic characterization and habitat use of Eurycea pterophila salamanders from Jacob's Well, Hays County, Texas. *Southwestern Naturalist*.

MacLaren, A. R., Foley, D., Sirsi, S., & Forstner, M. R. (Accepted / In Press). Updating methods of satellite transmitter attachment towards long-term monitoring of the Rio Grande cooter (Pseudemys gorzugi). *Herpetological Review*.

McCracken, S. F., & Forstner, M. R. (Accepted / In Press). Ecological notes of the high canopy tank bromeliad, Aechmea zebrina, in Amazonian Ecuador. *Journal of the Bromeliad Society*.

Ferreri, F. A., Adcock, Z. C., McCracken, S. F., & Forstner, M. R. (Accepted / In Press). Geographic Distribution. Fort Bend County, Texas. Hemidactylus turcicus. *Herpetological Review*.

Sirsi, S., MacLaren, A. R., Foley, D., & Forstner, M. R. (2025). Big and Fast: Satellite telemetry reveals long-range movements in a large, riverine turtle. *Conservation*, *5*(1), https://doi.org/10.3390/conservation5010006.

Green, M. C., Sirsi, S., Halstead, B., Morrison, M. L., Rodriguez, D., & Forstner, M. R. (2025). Comparing the utility of capture-mark-recapture, telemetry, and genetic data in assessing population-level dispersal. *Diversity*, *17*(3). https://doi.org/10.3390/d17030163

Villamizar Gomez, A., Vemulapally, S., Guerra, T. M., Tocidlowski, M. E., Forstner, M. R., & Hahn, D. (2025). Effect of head-starting of eggstrands of the endangered Houston toad (Bufo =[Anaxyrus] houstonensis) from a captive assurance colony on native breeding pond microbiomes. *Conservation*, *5*(2), https://doi.org/10.3390/conservation5020025.

Villamizar Gomez, A., Guerra, T. M., Sirsi, S., Farr, william L., Forstner, M. R., & Hahn, D. (2025). Multi-year occurrence of Ranavirus and Bd infections in anurans from central, southeast, and coastal regions of Texas. *Journal of Wildlife Diseases*, *61*(3), 749–755.

Adcock, Z. C., MacLaren, A. R., Adcock, M. E., & Forstner, M. R. (2025). Spatial variation in population parameters of a federally threatened groundwater salamander within and among central Texas headwater creeks. *Ecology and Evolution*, *15*(6), e71572. doi: 10.1002/ece3.71572.

Zughaiyir, F. E.-H., Sirsi, S., Rodriguez, D., McHenry, D. J., & Forstner, M. R. (2024). Measuring interspecific admixture in endangered Houston toads (Bufo [=Anaxyrus] houstonensis) at a main recovery site in the Lost Pines ecosystem of Texas, USA. *Conservation Genetics*, *25*(6), 1337–1351.

MacLaren, A. R., Hibbits, T. J., Forstner, M. R., & McCracken, S. F. (2024). Morphology and vocalization comparison of the Houston toad and the Dwarf American toad: implications for their historic range. *PeerJ*, *12*(e17635), http://doi.org/10.7717/peerj.17635.

Vandewege, M. W., Gutierrez, J., Davis, D. R., Forstner, M. R., & Mali, I. (2024). Patterns of genetic divergence in the Rio Grande cooter (Pseudemys gorzugi), a riverine turtle inhabiting a fragmented arid landscape. *J. Heredity*, *115*(3), 253–261.

Sirsi, S., Rodriguez, D., & Forstner, M. R. (2024). Phylogenetics of Houston toads (Bufo [=Anaxyrus] houstonensis): Genome-wide data define management units and reveal post-speciation contact in an endangered relict. *Scientific Reports*, *14*(3306).

Kilgore, R. J., Guerra, T. M., Heather, B., Villamizar-Gomez, A., Forstner, M. R. J., & Hahn, D. (2024). Prevalence and diversity of Trypanosoma cruzi in triatomine vectors and their blood meal sources from South Central Texas, USA. *Biology*, *13*(7). https://doi.org/doi.org/10.3390/biology13070489

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b. Non-refereed Articles:

Fleming, A., Sirsi, S., Mirabal, J., & Forstner, M. R. (2025). Testing photogrammetry in assessing health of Houston toads (Bufo [=Anaxyrus]

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Adcock, Z., Adcock, M. E., & Forstner, M. R. (2023). Development and validation of an environmental DNA assay to detect federally threatened groundwater salamanders in central Texas. *PLoS One*, *18*(7), e0288282.

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Villamizar Gomez, A., Guerra, T., Tocidlowski, M. E., Forstner, M. R., & Hahn, D. (2023). Quantification of chlamydiae in the endangered Houston toad (Anaxyrus houstonensis). *FEMS Microbiology Letters*. Published. https://doi.org/doi.org/10.1093/femsle/fnad067

Sirsi, S., Villamizar Gomez, A., Bohannon, A. M. A., & Forstner, M. R. (2023). Size distribution, habitat use, and density of an aestivating Siren intermedia (Caudata: Sirenidae) population in Bastrop County, Texas, USA, with comments on minimizing impacts during disturbance activities. *Phyllomedusa*, *22*(2), 131–137.

Zughaiyir, F. E.-H., & Forstner, M. R. (2023). Xantusia vigilis (Desert Night Lizard). Frugivory. *Herpetological Review*, *54*(2), 239.

Bassett, L. G., & Forstner, M. R. (2022). . Acute Bladder Snails, Physa acuta Draparnaud, 1805, as ectosymbionts of the endangered Houston Toad, Bufo [Anaxyrus] houstonensis Sanders, 1953. *Reptile and Amphibian Conservation*, *29*(1), 430–432.

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Bohannon, A. M. A., Bassett, L. G., Zughaiyir, F. E.-H., Sirsi, S., Bullard, S., & Forstner, M. R. (2022). Geographic Distribution. Siren intermedia (Lesser Siren). Bastrop County, Texas. *Herpetological Review*, *53*(1), 69.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Islam, S., Valles Molina, D., & Forstner, M. R. (2020). A Houston Toad Call Detection Initial Approach Using Gated Recurrent Units for Conservational Efforts. IEEE. https://doi.org/10.1109/IETC47856.2020.9249158

Islam, S. B., Valles Molina, D., & Forstner, M. R. (2020). Identification of Wild Species in Texas from Camera-trap Images using Deep Neural Network for Conservation Monitoring (pp. 1–6). IEEE. https://doi.org/10.1109/IETC47856.2020.9249141

6. Abstracts:

Forstner, M. R., MacLaren, A., & McCracken, S. F. (2015). Revising the Federal Protocol for Conducting Presence/Absence Surveys for the Endangered Houston Toad (Bufo houstonensis). Published.

Forstner, M. R., Sirsi, S., & Singh, S. (2015). Variation in reproductive output of the Crowned River Turtle (Hardella thurjii). Published.

Forstner, M. R., Prather, P., & McCracken, S. F. (2015). Bridging the gap: connecting landscapes with the installation of wildlife corridors. Published.

Additional Comments: Texas Herpetological Society

Forstner, M. R., & Adcock, Z. C. (2015). Investigating microhabitat parameters for federally threatened Jollyville Plateau salamanders. Published.

Forstner, M. R., Parandhaman, A., & McCracken, S. F. (2015). 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. Published.

Forstner, M. R., & Adcock, Z. (2015). Definining habitat for the Federally Threatened Jollyville Plateau Salamander (Eurycea tonkawae). Published.

Forstner, M. R., & Shashwat, S. (2015). Nothing really matters? Reproductive output in Hardella thurjii. Published.

Forstner, M. R., Maclaren, A., & McCracken, S. (2015). Teach your computer to be a better listener: A lesson on development and implementation of automated audio recognition tools. Published.

Forstner, M. R., Villamizar, A., Adcock, Z. C., & Hahn, D. (2015). Increasing Detection and Evaluating Microhabitat Use for the Federally Threatened Jollyville Plateau Salamander (Eurycea tonkawae). Published.

Forstner, M. R. (2014). Assessment of water quality, disease, microhabitat, and abundance for the Jollyville Plateau Salamander (Eurycea tonkawae). Published.

Forstner, M. R., MacLaren, A. R., & McCracken, S. F. (2014). Being there all the time: Creating robust automated audio detection tools for anurans with emphasis on Bufo houstonensis. Published.

Forstner, M. R., Parandhamand, A., & McCracken, S. F. (2014). Predicting habitat suitability in the historical range of the threatened Texas tortoise, Gopherus berlandieri. Published.

Forstner, M. R., & Villamizar, A. (2013). Presence of Batrachochytrium dendrobatidis and Ranavirus in Central Texas. Published.

Forstner, M. R., & Jones, M. (2013). Testing habitat restoration options in the Houston toad (Bufo houstonensis) with the aftermath of catastrophic wildfire in Texas. Published.

Forstner, M. R., Mali, I., & Brown, D. J. (2013). Trapping turtles using hoop-nets: testing assumptions and potential biases. Published.

Additional Comments: *winner 2nd Place, Best student oral presentation

Forstner, M. R., Mali, I., Vandewege, M. W., & Davis, S. K. (2013). International markets and national impacts to biodiversity: the magnitude of freshwater turtle exports from the US and recent regulatory outcomes. Published.

Forstner, M. R. (2013). Are newly implemented harvest management regimes the best strategy for protection of wild freshwater turtle populations in the Southeast USA? Published.

Forstner, M. R., Rodriguez, D., & Hahn, D. (2013). 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. Published.

Forstner, M. R. (2013). Prevalence of Batrachochytrium dendrobatidis in Tamualipas, MX. Published.

Forstner, M. R. (2013). The Houston toad (Bufo houstonensis): paths to extinction or recovery. Published.

Forstner, M. R., Brown, D. J., & Swannack, T. M. (2012). A Race Against Extinction: Research to Inform Recovery Efforts for the Critically Endangered Houston Toad. Published.

Forstner, M. R., Wallace, D., Farallo, V., & Buzo, D. (2012). Analyzing Houston Toad habitat fragments for viability in the face of ongoing fragmentation, severe drought, and catastrophic wildfire. Published.

Forstner, M. R., & McCracken, S. (2012). Chemically mediated predator avoidance behavior in the Coastal plains toad (Bufo nebulifer). Published.

Forstner, M. R., & Jones, M. (2012). Habitat suitability and head-start efficiency and effectiveness testing in the endangered Houston toad (Bufo houstonensis). Published.

Forstner, M. R., Ozel, E., Brown, D. J., & Preston, D. B. (2012). How do fire ants (Solenopsis invicta) respond to the changes brought on by last year's wildfires in the Lost Pines region of Texas. Published.

Forstner, M. R., Ozel, E., Brown, D. J., & Preston, D. B. (2012). Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Published.

Forstner, M. R., Brown, D., Duarte, A., Mali, I., & Jones, M. C. (2012). Impacts of a high intensity wildfire on abundane, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas. Published.

Forstner, M. R., & McCracken, S. F. (2012). Just how bad are roads, anyway? Oil road effects on the anuran community of a high canopy tank bromeliad. Published.

Forstner, M. R., & McCracken, S. (2012). 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. Published.

Forstner, M. R., & Preston, D. (2012). Predation-related chemical cues decrease the activity levels of Houston Toad (Bufo[Anaxyrus] houstonensis). Published.

Forstner, M. R., Villamizar, A., Miller, S., & Hahn, D. (2012). Prevalence of Batrachochytrium dendrobatidis in amphibian populations in Central Texas. Published.

Forstner, M. R., & Mali, I. (2012). Sustainability as applied to the use of chelonians worldwide. Published.

Forstner, M. R., & McCracken, S. (2011). Published.

Forstner, M. R., Mali, I., & Brown, D. (2011). Published.

Forstner, M. R., Sha, Q., Vatten, X., & Hahn, D. (2011). Assessing pathogenicity of Salmonella isolates from natural biofilms. Published.

Forstner, M. R. (2011). Chemically mediated predator avoidance behavior in the endangered Houston toad (Bufo houstonensis) using the Coastal Plain toad (Bufo nebulifer) as a proxy. Published.

Forstner, M. R., Mali, I., & Brown, D. (2011). Conservation and sustainable use of turtle populations worldwide: Past, present, and future strategies. Published.

Forstner, M. R., Mali, I., & Brown, D. (2011). Conservation and Sustainable Use of Turtle Populations Worldwide: Past, Present, and Future Strategies. Published.

Forstner, M. R., Duarte, A., & Brown, D. J. (2011). Estimating abundance of the endangered Houston toad (Bufo houstonensis) on a primary recovery site. Published.

Forstner, M. R., Brown, D., & Swannack, T. M. (2011). Influence of weather on capture variability for amphibians in the Lost Pines of Texas. Published.

Forstner, M. R., Jones, M., & Dixon, J. R. (2011). Is bigger always better? Mate selection in the Houston toad (Bufo houstonensis). Published.

Additional Comments: *winner Honorable Mention, Best student oral presentation

Forstner, M. R. (2011). Is bigger always better? Mate selection in the Houston toad (Bufo houstonensis). Published.

Forstner, M. R., Jones, M., & Dixon, J. R. (2011). Is bigger always better? Mate selection in the Houston toad (Bufo houstonensis). Published.

Forstner, M. R., & Farallo, V. R. (2011). Predation and the maintenance of color polymorphism in a habitat specialist squamate. Published.

Forstner, M. R., Wallace, D., Farrallo, V., & Buzo, D. (2011). Prioritizing the remaining Houston toad habitat remnants for conservation in the face of ongoing fragmentation and wildfire. Published.

Forstner, M. R., Brown, D., & Baccus, J. T. (2011). Short-term effects of fire on juvenile amphibians in a southern USA pine forest. Published.

Forstner, M. R., & Mahato, N. (2010). A distribution model for guidance toward the conservation planning of red panda (Ailurus fulgens) in Nepal. Published.

Forstner, M. R., & Mahato, N. (2010). A general habitat suitability model for the endangered Houston toad (Bufo houstonensis) from remote sensing data. Published.

Forstner, M. R., & Dickerson, B. E. (2010). Abstract. Road densities as a proxy for urbanization effects using the Red eared slider (Trachemys scripta elegans) in the lower Rio Grande Valley. Published.

Forstner, M. R., & Farallo, V. R. (2010). Are the color forms in the mottled rock rattlesnake (Crotalus lepidus lepidus) consequent of predation? Published.

Forstner, M. R., & Harper, A. (2010). Assessing impacts of drought on herpetofauna through repeated surveys and morphometric comparisons. Published.

Forstner, M. R., & Mahato, N. (2010). Determining endangered species habitat in the face of cryptic species and few occupancy surveys: an example from the red panda (Ailurus fulgens) in Nepal. Published.

Additional Comments: *winner 2010 Student Scholarship ($600).

Forstner, M. R., Howard, L. L., Jones, M. E. B., Flangan, J. P., Crump, P. S., Marin, M. L., & Prim, T. P. (2010). Disseminated Mycobateriosis in a headstart colony of Houston toads (Bufo houstonensis). “Wildlife and Ecosystem Health Without Borders.” Published.

Additional Comments: Trilateral Meeting of the Canadian, Mexican, and United States Wildlife Veterinary and Conservation

Forstner, M. R., & Mahato, N. (2010). Distribution and GIS-based habitat modeling of red panda (Ailurus fulgens) in Nepal. Published.

Forstner, M. R., & Dickerson, B. (2010). Effects of urbanization and road densities on the populations of Trachemys scripta elegans in the Lower Rio Grande valley. Published.

Forstner, M. R., Vandewege, M., & McHenry, D. (2010). Evidence of multiple paternity in the critically endangered Houston toad (Bufo houstonensis). Published.

Forstner, M. R., & Farallo, V. . (2010). Maintenance of polymorphism in the mottled rock rattlesnake (Crotalus lepidus lepidus) consequent of predation? Published.

Forstner, M. R., Gaston, M. A., Fujii, A., & Weckerly, F. (2010). Potential component Allee effects and their consequences in Houston toad (Bufo houstonensis) stewardship. Published.

Forstner, M. R., Gaston, M. A., Fujii, A., & Weckerly, F. (2010). Potential component Allee effects and their consequences in Houston toad (Bufo houstonensis) stewardship. Published.

Forstner, M. R., Brown, D. J., & Devolld, B. (2010). Red-eared slider (Trachemys scripta elegans) hoop net escapes: size versus sex. Published.

Additional Comments: *Runner-up best student presentation (Graduate level)

Forstner, M. R., Vandewege, M., Rodriguez, D., Weaver, J. P., Hibbits, T. D., & Densmore, L. D. (2010). The bittersweet success of headstarting in the Houston toad (Bufo houstonensis). Published.

Forstner, M. R., & McHenry, D. (2010). The bittersweet success of headstarting in the Houston toad (Bufo houstonensis). Published.

Forstner, M. R., & Devolld, B. (2010). The effects of prescribed fire on red-imported fire ant (Solenopsis invicta) populations around ponds in the Lost Pines ecoregion of Texas. Published.

Forstner, M. R., & Schultz, A. (2010). Turtle trends in the Lower Rio Grande Valley across thirty years with both long and short-term replication. Published.

Forstner, M. R., Gaston, M. A., Fujii, A., & Weckerly, F. (2009). Allee effects in a critically endangered Texas toad (Bufo houstonensis): possible negative impacts of artificial ponds. Published.

Forstner, M. R., McCracken, S. F., Gaertner, J. P., & Hahn, D. (2009). Detection of Batrachochytrium dendrobatidis in amphibians from the forest floor to the upper canopy of an Ecuadorian Amazon lowland rainforest. Published.

Forstner, M. R., McCracken, S. F., Gaertner, J. P., & Hahn, D. (2009). Detection of Batrachochytrium dendrobatidis in amphibians from the forest floor to the upper canopy of an Ecuadorian Amazon lowland rainforest. Published.

Forstner, M. R., Gaston, M. A., Simpson, T. R., & Rose, F. L. (2009). Geographic variation in male cricket frogs (Acris blanchardi): a behavioral and morphological assessment across three central Texas river basins, with comments on systematics. Published.

Forstner, M. R., & McHenry, D. (2009). Identification of Texas bufonids using mitochondrial markers. Published.

Forstner, M. R., Gaertner, J. P., Gaston, M. A., Spontak, D., & Hahn, D. (2009). Seasonal variation in the detection of Batrachochytrium dendrobatidis in a Texas population of Blanchard's cricket frog (Acris crepitans blanchardi). Published.

Forstner, M. R., & Farallo, V. (2009). Two are better than one: improved funnel trap design. Published.

Forstner, M. R., Duvall-Jisha, J. H., Blair, A., & Fonstad, M. A. (2008). A GIS predictive habitat distribution model for the Houston toad (Bufo houstonensis) in Bastrop and Lee counties, Texas. Published.

Forstner, M. R., Buzo, D., Green, M. C., & Fonstad, M. A. (2008). A GIS predictive habitat distribution model for the Houston toad (Bufo houstonensis) in Bastrop and Lee counties, Texas. Published.

Additional Comments: *Winner Honorable Mention Best Graduate Student Oral Presentation $50

Forstner, M. R., McHenry, D., Buzo, D., & Dixon, J. R. (2008). Active stewardship toward recovery of the Houston toad (Bufo houstonensis). Published.

Forstner, M. R., & McCracken, S. (2008). Does the canopy hold a missing piece of the Amazon rainforest amphibian diversity? New species from a new frontier in Yasuní National Park - Amazonian Ecuador. Published.

Forstner, M. R., Weaver, J. P., Rodriguez, D., Venegas-Anaya, M., Cedeno-Vasquez, J. R., & Densmore, L. D. (2008). Incrongruence of species designations as determined by mitochondrial and nuclear DNA: an example from the Cuban crocodile (Crocodylus rhombifer). Published.

Forstner, M. R., & Parlos, J. (2008). Intrapsecific Variation among Cave Myotis Inferred from the Mitochondrial Cyctochrome b Gene. Published.

Forstner, M. R. (2008). Population genetics of the Concho water snake (Nerodia paucimaculata) in comparison to Harter's water snake (Nerodia harteri) and the blotched water snake (Nerodia erythrogaster transversa). Published.

Forstner, M. R., Vandewege, M., Rodriguez, D., Weaver, J. P., & Densmore, L. D. (2008). Population genetics of the Texas rat snake (Elaphe obsolete lindheimeri). Published.

Forstner, M. R., & McHenry, D. J. (2008). Preliminary results from a population genetics study of coastal plains toads (Bufo nebulifer). Published.

Forstner, M. R., Jackson, J., Bailey, L., & Dixon, J. R. (2008). The Status of Trachemys gaigeae and Pseudemys gorzugi (Reptilia:Emydidae) in the Rio Grande Basin. Published.

Forstner, M. R., & Fujii, A. (2008). The Texas Tortoise (Gopherus berlandieri) the only Gopherus without a plan; defining conservation units in Southern Texas. Published.

Forstner, M. R., & McCracken, S. (2007). Published.

Forstner, M. R., Gaertner, J. P., Rose, F., & Hahn, D. (2007). Detection of salmonellae in wild turtles and their aquatic habitats. Published.

Forstner, M. R., Rodriguez, D., Moler, P., & Densmore III, L. D. (2007). Genetic structure of the American crocodile (Crocodylus acutus) in Florida and evidence of hybridization inferred from mitochondrial and nuclear markers. Published.

Forstner, M. R., & Parlos, J. (2007). Is a decline in average size of the Texas spiny softshell (Apalone spinifera emoryi) indicative of anthropogenic influences? Published.

Forstner, M. R., & Parlos, J. A. (2007). Preliminary population genetic and phylogeographic results in the Cave myotis (Myotis velifer) across Texas. Published.

Forstner, M. R., & Sorenson, T. (2007). The evolution of the Rh factor. Published.

Forstner, M. R., & Buzo, D. (2006). A GIS model for identifying Houston Toad (Bufo houstonensis) habitat in Bastrop County, TX, USA. Published.

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Forstner, M. R., Swannack, T. M., & Greuter, K. L. (2006). Estimating survival parameters for an endangered species with a complex life history. Published.

Forstner, M. R., & Swannack, T. M. (2006). Impacts of the difference at age of first reproduction on a population of endangered Houston toads (Bufo houstonensis). Published.

Forstner, M. R., Rodriguez, D., & Densmore, L. D. (2006). Low allelic variation and its effects on detecting multiple paternity in two endangered species of crocodile: Crocodylus acutus and Crocodylus moreletti. Published.

Forstner, M. R., Bryson, R. W., & Pastorini, J. (2006). Phylogenetic relationships of the Lampropeltis mexicana complex (Serpentes: Colubridae) as inferred from mtDNA sequences. Published.

Forstner, M. R., Parlos, J. A., Dixon, J. R., & Jackson, J. (2006). Texas Spiny Softshell (Apalone spinifera emoryi): A decline in average measurements due to harvest? Published.

Forstner, M. R. (2006). The insular ecology of the diamondback terrapin (Malaclemys terrapin), on the mangrove keys of south Florida. Published.

Forstner, M. R., Jackson, J., & Dixon, J. R. (2006). The Status of Trachemys gaigeae (Reptilia:Emydidae) in the Rio Bravo Basin. Published.

Forstner, M. R., McHenry, D., & Godwin, J. (2006). Utility of various molecular markers among closely related Graptemys. Published.

Additional Comments: Winner best student presentation: Endangered Species Section ($250).

Forstner, M. R., Ferguson, A. W., & McDonough, M. (2005). A Preliminary Inventory of the Herpetofanua at Camp Mabry, Austin, Texas. Published.

Forstner, M. R. (2005). Assessing the status of Pseudemys gorzugi (Rio Grande River cooter) in Texas. Published.

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Forstner, M. R., & Swannack, T. (2003). Distribution of Houston toads (Bufo houstonensis) in heterogeneous habitats. Published.

Forstner, M. R., & Ahlbrandt, T. L. (2003). Initial survey of abiotic pond characteristics potentially influencing successful Houston toad (Bufo houstonensis) reproduction. Published.

Forstner, M. R., & Greuter, K. (2003). Post-emergent biology of the Houston toad, Bufo houstonensis. Published.

Forstner, M. R., & Morris, S. R. (2003). Systematics of locally endemic short-tailed shrews, Blarina (Insectivora: Soricidae), in Bastrop and Aransas counties, Texas. Published.

Forstner, M. R., Windham, M. K., Barnes, M. B., Fuqua, C., & McLean, R. J. C. (2002). Novel bacterial influence on microbial diversity in aquatic biofilms. Published.

Forstner, M. R. (2002). The ecology and demographics of the diamondback terrapin, Malaclemys terrapin macrospilota and rhizophorarum in south Florida. Published.

Forstner, M. R., Needham, J., & Garcia, D. M. (2001). Cloning and characterization of rat alpha-actinin 3: Structural Analysis. Published.

Forstner, M. R. (2001). Identification of Houston toads using mtDNA sequences. Published.

Additional Comments: *Winner best student presentation with cash award and subscription to the journal.

Forstner, M. R., Needham, J. N., Garcia, D. M., & Koke, J. R. (2001). Molecular characterization of a possible alpha-actinin isoform. Published.

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Forstner, M. R., Pastorini, J., Martin, R. D., & Melnick, D. J. (1998). Morphology and molecules in conflict: the phylogenetic relationship of Callimico within the Callitrichidae. Published.

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Forstner, M. R., & Pastorini, J. (1998). Phylogenetic study of the family Lemuridae based on DNA sequences. Published.

Forstner, M. R., Forstner, J. M., & Davis, S. K. (1997). Identification of hybrid crocodiles using high resolution molecular markers. Published.

Forstner, M. R., Pastorini, J., Martin, R. D., & Melnick, D. J. (1997). Molecular phylogeny of the Callitrichidae (Platyrrhini, Primates) based on mitochondrial DNA sequences. Published.

Additional Comments: Recipient Student/Postdoctoral Assistance Award

Forstner, M. R., & Pastorini, J. (1996). Molecular evidence for the phylogenetic position of Callimico goeldii among platyrrhines based on mitochondrial DNA sequences. Published.

Forstner, M. R. (1996). Molecular phylogeny of the Asian Leaf monkeys from mtDNA sequence data analyses. Published.

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Forstner, M. R., Davis, S. K., Barker, D., & Barker, T. (1995). Phylogenetic analysis of the Henophidia using mitochondrial DNA sequence data. ASIH. Published.

7. Reports:

Serenari, C., Daniel, K. L., Forstner, M. R., Messick, J. A., & Idema, J. L. (2019).

Messick, J. A., Lute, M. L., Serenari, C., Idema, J. L., Daniel, K. L., Covington, B., … Forstner, M. R. (Published). *Investigating determinants influencing recruitment intro Houston toad safe harbor agreements*.

Hardy, T., Jensen, J., & Forstner, M. R. (2018). *Alpha Texas Dunes Sagebrush Lizard (Sceloporus arenicolus) Habitat Model*.
2018_DSL_Alpha_Model_Report-1.pdf
Additional Comments: Prepared for Texas Comptroller of Public Accounts, final deliverable for contract no DSL 8-2679. 49 p.

Forstner, M. R., Suriymongkol, T., Forks, K., Mcgrew, E., Villamizar-Gomez, A., Mali, I., … Grant, W. (2015). *Post-wildfire comparison of Hyla cinerea in burned and unburned areas near Bastrop, Texas*.

Forstner, M. R., Castro-Arellano, I., Talley, K., Green, M. C., Hahn, D., & Gaedicke, C. (2014). *Contribution of bridge dwelling birds to bacterial water quality impairments (Research project #0-6764)*.

Forstner, M. R. (2014). *Cumulative evaluation of potential Houston toad (Bufo houstonensis) occurrence in Limestone County, Texas*.

Forstner, M. R. (2014). *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*.

Forstner, M. R., & Mali, I. (2014). *Houston toad 2014 chorusing survey for Bastrop County and the Lost Pines habitat conservation plan*.

Forstner, M. R., & Jones, M. C. (2014). *Houston toad chorus survey and headstart monitoring report for Bastrop State Park, Bastrop County, Texas*.

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Additional Comments: Submitted to TXDOT

Forstner, M. R., Ozel, E., & McCracken, S. M. (2014). Red imported fire ant control and consequences during highway construction. In *2014 Annual Report for IAC 14-1XXIA002*.

Forstner, M. R., & Jones, M. C. (2014). *Testing habitat restoration options in the Houston toad (Bufo houstonensis) with the aftermath of the Bastrop County Complex Fire*.

Forstner, M. R., & Brown, D. (2013). *Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (Bufo houstonensis) within the Lost Pines ecoregion of Texas*.

Additional Comments: Section 6 Project E-114. Submitted to TPWD and USFWS

Forstner, M. R., Wallace, D., McCracken, S., & Stout, D. (2013). *Houston toad 2013 chorusing survey: Final Report for Bastrop County and the Lost Pines Habitat Conservation Plan* (p. 12pgs).

Forstner, M. R., & Jones, M. (2013). *Houston toad chorus survey and headstart monitoring report for Bastrop State Park, Bastrop County, Texas of the Texas Department of Wildlife and Fisheries*.

Forstner, M. R., Crump, P. S., Howard, L. L., & Johnson, C. B. (2013). *Houston toad Preventing Extinction Grant Report (Agreement # 1448-20181-A-J850)* (p. 12pgs).

Additional Comments: Submitted to the United States Fish and Wildlife Service

Forstner, M. R. (2013). *Minimizing Wildlife-Motorist Interactions on US 290 & Fire Ant Management during Roadway construction* (p. 4pgs).

Forstner, M. R., Jones, M. C., & Vandewege, M. W. (2013). *Population supplementation: a proven means toward endangered species recovery for the Houston toad (Bufo houstonensis). Final report for TX E-127-R* (p. 46pgs).

Additional Comments: Submitted to TPWD and USFWS

Forstner, M. R. (2013). *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.* (p. 20pgs).

Additional Comments: Submitted to Jeffrey Hill, USFWS, ClearLake Field office

Forstner, M. R. (2012). *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)* (p. 18pgs).

Additional Comments: Submitted to TPWD and USFWS

Forstner, M. R., & Brown, D. (2012). *Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (Bufo houstonensis) within the Lost Pines ecoregion of Texas* (p. 39pgs).

Additional Comments: Submitted to TPWD and USFWS

Forstner, M. R., & Jones, M. (2012). *Houston toad (Bufo houstonensis) monitoring 2011 data and final report for Bastrop State Park, Bastrop County, Texas*.

Additional Comments: Submitted to TPWD

Forstner, M. R., Vandewege, M., Jones, M., & Feltoon, A. (2011). *An assessment of the population genetics of Heloderma horridum useful for guidance in management of the captive populations* (p. 21pgs).

Forstner, M. R., Mali, I., Brown, D. J., Jones, M., & Dixon, J. R. (2011). *Assessing Texas Freshwater Turtle Populations: Project status and results from selected studies*.

Additional Comments: Submitted to TPWD

Forstner, M. R., Vandewege, M. W., & Jones, M. C. (2011). *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).*

Additional Comments: Submitted to TPWD and USFWS

Forstner, M. R., Small, M. F., & Veech, J. A. (2011). *Data from field work, land cover change, and museum records of Holbrookia lacerata in Texas* (p. 7pg).

Additional Comments: Submitted to USFWS

Forstner, M. R., & Brown, D. (2011). *Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (Bufo houstonensis) within the Lost Pines ecoregion of Texas* (p. 24pgs).

Additional Comments: Submitted to TPWD and USFWS

Forstner, M. R., & Brown, D. (2011). *Detection of fine scale outcomes from prescribed fire relevant to the endangered Houston toad (Bufo houstonensis) within the Lost Pines ecoregion of Texas: post-wild fire assessment (Amendment 1)* (p. 4pgs).

Additional Comments: Submitted to TPWD and USFWS

Forstner, M. R., & McHenry, D. J. (2011). *Genetic characterization of Eurycea salamanders from Jacobs Well, Hays County, Texas*.

Additional Comments: Final Report submitted to the Coypu

Forstner, M. R., Wallace, D., Bell, J., Stout, D., & Jackson, J. (2011). *Houston toad 2011 data and final report for the LPHCP annual monitoring program, Bastrop County, TX* (p. 15pgs).

Additional Comments: Submitted to Bastrop County and United States Fish and Wildlife Service

Forstner, M. R., Crump, P. S., & Howard, L. L. (2011). *Houston toad ex situ Conservation*.

Additional Comments: Submitted to the United States Fish and Wildlife Service

Forstner, M. R., Crump, P. S., Howard, L. L., & Marin, M. M. (2011). *Houston toad ex situ Conservation. Submitted to the United States Fish and Wildlife Service* (p. 24pgs).

Forstner, M. R., Chumchal, M., Jobe, K., & Jacobsen, A. (2011). *Survey of mercury contamination in three species of Texas turtles and development of a non-lethal sampling technique* (p. 8pgs).

Additional Comments: Submitted to the Ft. Worth Zoo and Texas Parks and Wildlife Department

Forstner, M. R., Mali, I., Jackson, J., Brown, D., & Dixon, J. R. (2010). *Assessing Texas Freshwater Turtle populations, Big Bend National Park* (p. 10pgs).

Additional Comments: Submitted to Raymond Skiles, Big Bend National Park and the National Park Service

Forstner, M. R., & Bell, J. (2010). *Final report. Houston toad monitoring: 2010 data and final report for LCRA, Bastrop County, TX* (p. 14pgs).

Additional Comments: Submitted to LCRA and United States Fish and Wildlife Service

Forstner, M. R., Brown, D., Jackson, J., Stout, D. J., & Bell, J. (2010). *Final report. Houston toad monitoring: 2010 data and final report for the CAC-Griffith League Ranch & Lost Pines Scout Reservation, Bastrop County, TX* (p. 12pgs).

Additional Comments: Submitted to the CAC-BSA and United States Fish and Wildlife Service

Forstner, M. R., & Stout, D. J. (2010). *Final Report. Minimizing Wildlife-Motorist Interactions, 2010 Cumulative Report for IAC 14-7XXIA001* (p. 14pgs).

Forstner, M. R., & Dixson, J. R. (2010). *Houston toad (Bufo houstonensis) 5-Year review: Summary and evaluation*.

Additional Comments: Submitted to TPWD and USFWS March 30, 2010

Forstner, M. R., & Jackson, J. T. (2010). *Houston toad 2010 data and final report for the Lost Pines Habitat Conservation Plan monitoring, Bastrop County, TX* (p. 17pgs).

Additional Comments: Submitted to Bastrop County and United States Fish and Wildlife Service

Forstner, M. R., & Farallo, V. (2010). *Houston toad habitat suitability assessment for the Cross county water supply pipeline project in Lee and Burleson counties, Texas* (p. 55pgs).

Additional Comments: Submitted April 19, 2010 to Aci consulting, Austin TX

Forstner, M. R., Jackson, J., & Bell, J. (2010). *Houston toad monitoring: 2009 data and final report for Jim Small family tract, Bastrop County, TX. Submitted to the Small Family and United States Fish and Wildlife Service* (p. 11pgs).

Forstner, M. R., & Stout, D. J. (2010). *Houston toad monitoring: 2010 data and final report for Musgrave family tract, Bastrop County, TX. Submitted to the Musgrave family and United States Fish and Wildlife Service* (p. 11pgs).

Forstner, M. R., Mali, I., Jackson, J., Brown, D., & Dixon, J. R. (2010). *Iterim report. Assessing Texas Freshwater Turtle Populations: Project status and results from selected studies* (p. 46pgs).

Additional Comments: Submitted to TPWD

Forstner, M. R., Jackson, J., & Dixon, J. R. (2009). *2009 Monitoring of the Big Bend slider (Trachemys gaigeae)* (p. 2pgs).

Additional Comments: Annual Report submitted to BBNP, NPS December 18, 2008

Forstner, M. R., Foley, D., & Dixon, J. R. (2009). *2009 Monitoring of the Rio Grande river cooter (Pseudemys gorzugi) in Lake Amistad* (p. 2pgs).

Additional Comments: Annual Report submitted to ANRA, NPS December 18, 2008

Forstner, M. R., & Schultz, A. (2009). *2009 Replication of 1976 Freshwater Turtle Population Study At Laguna Atascosa National Wildlife Refuge* (p. 7pgs).

Additional Comments: Submitted to Laguna Atascosa National Wildlife Refuge

Forstner, M. R., & Schultz, A. (2009). *2009 Replication of 1976 Freshwater Turtle Population Study At Santa Ana National Wildlife Refuge* (p. 10pgs).

Additional Comments: Submitted to Santa Ana National Wildlife Refuge

Forstner, M. R., Schultz, A., Brown, D., Dickerson, B. E., & Dixon, J. R. (2009). *Assessing freshwater turtle populations: (Part 1) Project status and results from selected studies* (p. 19pgs).

Forstner, M. R., Schultz, A., Brown, D., Dickerson, B. E., & Dixon, J. R. (2009). *Assessing freshwater turtle populations: (Part 1) Project status and results from selected studies* (p. 19pgs).

Additional Comments: Annual report submitted to Texas Parks and Wildlife Department

Forstner, M. R., Dickerson, B. E., Brown, D., Schultz, A., & Dixon, J. R. (2009). *Assessing freshwater turtle populations: (Part 2) Road densities and their effect on the red-eared slider in the lower Rio Grande valley*.

Additional Comments: Annual report submitted to Texas Parks and Wildlife Department

Forstner, M. R., & Farallo, V. (2009). *Explicit tests of color morph predation on rock rattlesnake models* (p. 62pgs).

Additional Comments: Annual Report submitted to BBNP, NPS December 18, 2008

Forstner, M. R., & Farallo, V. (2009). *Explicit tests of color morph predation on rock rattlesnake models* (p. 62 pgs).

Additional Comments: Annual Report submitted to ANRA, NPS December 18, 2008

Forstner, M. R., & Bell, J. (2009). *Final report. Houston toad monitoring: 2008 data and final report for Bluebonnet Headquarters, Bastrop County, TX*.

Additional Comments: Submitted to Bluebonnet Electric and United States Fish and Wildlife Service

Forstner, M. R., & Bell, J. (2009). *Final report. Houston toad monitoring: 2008 data and final report for the Small Family tract, Bastrop County, TX* (p. 7pgs).

Additional Comments: Submitted to the Small Family and United States Fish and Wildlife Service

Forstner, M. R., Crump, P., & Flanagan, J. P. (2009). *Houston toad ex situ Conservation permit report* (p. 20pgs).

Additional Comments: Annual report submitted to the USFWS

Forstner, M. R., & McHenry, D. J. (2009). *Houston toad metapopulation assessment and genetics: Data necessary for effective recovery strategies in a significantly fragmented landscape* (p. 109pgs).

Additional Comments: Final report for Section 6 project #E-76 submitted to Texas Parks and Wildlife Department

Forstner, M. R., & Bell, J. (2009). *Houston toad monitoring: 2008 data and final report for South Shore Woods, Bastrop County, TX* (p. 7pgs).

Additional Comments: Submitted to the Small Family and United States Fish and Wildlife Service

Forstner, M. R., Jackson, J., & Bell, J. (2009). *Houston toad monitoring: 2008 data and final report for the CAC-Griffith League Ranch, Bastrop County, TX*.

Additional Comments: Submitted to the CAC-BSA and United States Fish and Wildlife Service

Forstner, M. R., & Jackson, J. (2009). *Houston toad monitoring: 2008 data and final report for the Musgrave Family tract, Bastrop County, TX* (p. 7pgs).

Additional Comments: Submitted to the Musgrave Family and United States Fish and Wildlife Service

Forstner, M. R., & Jackson, J. (2009). *Houston toad monitoring: 2008 data and final report for the Musgrave Family tract, Bastrop County, TX* (p. 7pgs).

Additional Comments: Submitted to the Musgrave Family and United States Fish and Wildlife Service

Forstner, M. R., & Bell, J. (2009). *Houston toad monitoring: 2009 data and final report for Bluebonnet Headquarters, Bastrop County, TX* (p. 13pgs).

Additional Comments: Submitted to Bluebonnet Electric and United States Fish and Wildlife Service

Forstner, M. R., & Bell, J. (2009). *Houston toad monitoring: 2009 data and final report for Jim Small family tract, Bastrop County, TX* (p. 12pgs).

Additional Comments: Submitted to the Small Family and United States Fish and Wildlife Service

Forstner, M. R., & Bell, J. (2009). *Houston toad monitoring: 2009 data and final report for LCRA, Bastrop County, TX* (p. 13pgs).

Additional Comments: Submitted to LCRA and United States Fish and Wildlife Service

Forstner, M. R., Brown, D., Jackson, J., & Bell, J. (2009). *Houston toad monitoring: 2009 data and final report for the CAC-Griffith League Ranch, Bastrop County, TX* (p. 12pgs).

Additional Comments: Submitted to the CAC-BSA and United States Fish and Wildlife Service

Forstner, M. R., & Bell, J. (2009). *Houston toad monitoring: 2009 data and final report for the Long Family tract, Bastrop County, TX* (p. 12pgs).

Additional Comments: Submitted to the Long Family and United States Fish and Wildlife Service

Forstner, M. R., & Stout, D. J. (2009). *Minimizing Wildlife-Motorist Interactions* (p. 12pgs).

Additional Comments: Annual Report submitted to Cal Newnam

Forstner, M. R., Crump, P., & Hahn, D. (2009). *Preventing Extinction: In situ and ex situ critical conservation stewardship in the Houston toad* (p. 22pgs).

Additional Comments: Annual report submitted to the USFWS Dec 14, 2009

Forstner, M. R., Bell, J., Jackson, J., & Dixon, J. R. (2008). *Annual Report. 2008 the Big Bend slider (Trachemys gaigeae) monitoring: Evaluation of the exotic turtle threat to the Big Bend slider and continued test of mitigation strategies* (p. 8pgs).

Additional Comments: Annual Report submitted to Raymond Skiles, BBNP, NPS

Forstner, M. R. (2008). *Annual Report. Rangewide status of the Houston toad and genetic results from the Concho watersnake* (p. 15pgs).

Additional Comments: Annual Report submitted to the USFWS

Forstner, M. R., Duvall-Jisha, J., & Blair, A. W. (2008). *Arthropod diversity under fire ant broadcast treatment* (p. 12pgs).

Additional Comments: Annual Report submitted to Cal Newnam, TXDOT

Forstner, M. R., Brown, D. J., Mirza, B. S., Zhang, Y., Hahn, D., Weckerly, F., … Franklin, C. J. (2008). *Assessing Texas' freshwater turtles*.

Additional Comments: Contract 188771. Submitted to TPWD

Forstner, M. R., McHenry, D. J., Gaston, M., Jackson, J. T., Crump, P., & Dixon, J. R. (2008). *Houston toad metapopulation assessment and genetics: Data necessary for effective recovery strategies in a significantly fragmented landscape* (p. 9pgs).

Additional Comments: Submitted to TPWD/USFWS

Forstner, M. R., Bell, J., Jackson, J., & Dixon, J. R. (2008). *Minimizing Wildlife-Motorist Interactions* (p. 30pgs).

Additional Comments: Annual Report submitted to Cal Newnam, TXDOT

Forstner, M. R., Brown, D. J., & Dixon, J. R. (2008). *The result of three decades of change in the lower Rio Grande Valley of Texas on freshwater turtle populations* (p. 167pgs).

Additional Comments: Submitted to TPWD/Ft. Worth Zoo

Forstner, M. R., & Diaz, P. (2007). *Arthropod survey results from west Honey Creek, Burnet County, Texas*.

Additional Comments: Submitted to Ken Prince, Capitol Aggregates, Inc.

Forstner, M. R., Jackson, J., & Dixon, J. R. (2007). *Evaluation of hybridization and introgression of Trachemys gaigeae and Trachemys scripta in Big Bend National Park" PMIS Number: 94616* (p. 18pgs).

Additional Comments: Submitted to Raymond Skiles, Big Bend National Park

Forstner, M. R., & Bell, J. (2007). *Felis catus not Herpailurus yaguarondi found at Lake Amistad* (p. 2pgs).

Additional Comments: Submitted to National Park Service Amistad National Recreation Area, United State Fish and Wildlife Service & Dan Foley

Forstner, M. R., Jackson, J., & Dixon, J. R. (2007). *Final Technical Report: Evaluation of hybridization and introgression of Trachemys gaigeae and Trachemys scripta in Big Bend National Park* (p. 27pgs).

Forstner, M. R., McHenry, D. J., Jackson, J. T., McCracken, S., Gaston, M., Crump, P., & Dixon, J. R. (2007). *Houston toad metapopulation assessment and genetics: Data necessary for effective recovery strategies in a significantly fragmented landscape* (p. 8pgs).

Additional Comments: Annual report submitted to TPWD/USFWS

Forstner, M. R., Bell, J., McCracken, S., & Dixon, J. R. (2007). *Minimizing Wildlife-Motorist Interactions* (p. 14pgs).

Additional Comments: Annual Report submitted to Cal Newnam, TXDOT

Forstner, M. R., & Dixon, J. R. (2007). *Survey of amphibians and reptiles of west side of Highway 281 at its junction with park road 4, for Capitol Aggregates, Inc. Austin TX* (p. 4pgs).

Additional Comments: Submitted to Ken Prince, Capitol Aggregates, Inc., Austin, TX

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Forstner, M. R. (2006). *Evaluation of the potential for Houston toad occurrence in Southeast Limestone County, Texas* (p. 11pgs).

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Forstner, M. R., & Swannack, T. M. (2004). *Spatial distribution and habitat associations of Adult Houston Toads*.

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Forstner, M. R. (2000). *Griffith league ranch Houson toad survey. 2000. Bastrop Co. TX. Capital Area Council-Boy Scouts of America/USFWS* (p. 40 pg).

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9. Book Reviews:

Forstner, M. R. (2006). Grey banded kingsnakes. *Texas Herpetological Society Newsletter*. LM Digital publishers. Benicia, California, US.

Forstner, M. R. (2006). Incubation of Reptile eggs: Basics, guidelines, and experiences by Gunther Kohler (translated by Valerie Haecky) 2005 Krieger Publishers, Malabar FL. *Texas Herpetological Society Newsletter*.

13. Other Works in Print:

IUCN species status assessments:

Doody, J. S., Gillingwater, S. D., Mali, I., Forstner, M. R., van Dijk, P. P., & Rhodin, A. G. J. (2024). Apalone spinifera. Species Status Assessment. In *The IUCN Red List of Threatened Species 2024* (2024th ed., p. e.T163451A161722123). Switzerland: IUCN.

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Forstner, M. R., Gomez, A. V., Farr, W., Hahn, D., Dixon, J. R., & Lazcano, D. (2015). Absence of Batrachochytrium dendrobatidis in eighteen species of amphibians from a variety of habitats in Tamaulipas, Mexico. *Herpetological Review*, 34–37.

Forstner, M. R., & Ahlbrandt, T. L. (2003). Abiotic pond characteristics potentially influencing breeding of Houston toads (Bufo houstonensis). *Texas Journal of Science*, 315–322.

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Forstner, M. R. (1991). The Hidden World of Ultra-Microscopic Detail. Chihuahuan Desert Discovery 29:8-9. Published.

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Forstner, M. R., & Parlos, J. A. (2009). Surveys of Myotis vellifer among Texas caves and the progress of a population genetic study.

Other:

Forstner, M. R., Marsh, M., MacLaren, A., Mali, I., Jones, D., Hernandez, J., & Brown, D. (2015). *Field research 2015: Houston toads in active stewardship. Headstarting 2016 planning meeting*.

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Forstner, M. R., Fuller, J. P., & McAllister, C. T. (2004). *Second report of Chrysemys dorsalis from Texas. TAMUS Pathways Symposium. Corpus Christi, Texas*.

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Forstner, M. R., Suriyamongkol, T., Forks, K., Arevilca, A., McGrew, E., Villamizar-Gomez, A., … Grant, W. (2015). *Post-wildfire comparison of the herpetofauna in burned and unburned areas near Bastrop, Texas*.

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Forstner, M. R., Brown, D. J., & Swannack, T. M. (2015). *Improving amphibian call survey monitoring using predictor ponds*.

Forstner, M. R. (2015). *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*.

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Forstner, M. R., Rodriguez, D., Rogelio Cedeño-Vázquez, J., & Densmore III, L. D. (2007). *Poster Presentation. Endangered species conservation: Using DNA to detect hybridization zones between the American crocodile (Crocodylus acutus) and Morelet's crocodile (Crocodylus moreletii) in the Yucatan Peninsula. Sixth annual Graduate Student Research Poster Competition*.

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B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Drukker, S. S., Holycross, A., Forstner, M. R., Texas Herpetological Symposum, "Seeking a better understanding of snake health: The creation and ecological application of a body condition index (BCI) for montane rattlesnakes (Crotalus) in the Madrean sky islands.," College Station, TX, United States. (October 19, 2024).

Fleming, A., Sirsi, S., Mirabal, J., Forstner, M. R., Texas Herpetological Symposum, "Testing photogrammetry in assessing health of Houston toads (Bufo [=Anaxyrus] houstonensis).," College Station, TX, United States. (October 19, 2024).

Zughaiyir, F. E.-H., Sirsi, S., Rodriguez, D., Forstner, M. R., Texas Conservation Symposium, "Assessing hybridization between the federally endangered Houston toad (Bufo houstonensis) with the sympatric gulf coast toad (Bufo nebulifer) on the main recovery site within its designated critical habitat.," WILCO, Georgetown, TX, United States. (January 19, 2024).

Sirsi, S., Mirabal, J., Zughaiyir, F. E.-H., Forstner, M. R., Texas Conservation Symposium, "Applying body condition analyses to understand Houston toad (Bufo [= Anaxyrus] houstonensis) ecology.," WILCO, Georgetown, TX, United States. (January 18, 2024).

Adcock, Z., Forstner, M. R., 24th National Cave & Karst Management Symposium., "Development, validation, and application of an environmental DNA assay to detect federally threatened groundwater salamanders in central Texas.," San Marcos, TX. (November 1, 2021).

Rodriguez, F., Forstner, M. R., Mali, I., Annual New Mexico Water Conference: Reality and Resilience: Planning for New Mexico's Water Future., "Nesting ecology of the Rio Grande cooter (Pseudemys gorzugi) on the Black River, New Mexico.." (October 26, 2021).

Mahan, L., Bassett, L. G., Duarte, A., Foley III, D. H., Forstner, M. R., Mali, I., Annual New Mexico Water Conference: Reality and Resilience: Planning for New Mexico's Water Future., "stimating occurrence and detectability of Rio Grande Cooter (Pseudemys gorzugi) on the Pecos River in New Mexico and Texas.." (October 26, 2021).

Harding, S. F., Becker, C. G., Tyler, R., Yates, J., Vratil, T., Crump, P. S., Fritts, S. R., Mullin, S. J., Forstner, M. R., Rodriguez, D., Texas Herpetological Society, "Host-Pathogen dynamics between Ophidiomyces ophiodiicola and three Nerodia species in Texas.." (October 23, 2021).

Sirsi, S., Rodriguez, D., Forstner, M. R., JMIH, "Genome-wide ddRADseq data reveal historic connectivity in an endangered relict.," Phoenix. (July 26, 2021).

Mali, I., Forstner, M. R., International Herpetological Symposium., "The Diet of the Rio Grande Cooter (Pseudemys gorzugi) in San Felipe Creek, Texas with an Isotopic Comparison to the Syntopic Red-eared Slider (Trachemys scripta elegans)," Atlanta, GA. (July 24, 2021).

Mahan, L. B., Bassett, L. G., Suriyamongkol, T., Forstner, M. R., Mali, I., Eastern New Mexico University Student Research Conference., "Naïve Occupancy of the Rio Grande Cooter (Pseudemys gorzugi) Across the Pecos River in New Mexico and Texas.." (March 2021).

Mahan, L., Bassett, L. G., Suriyamongkol, T., Forstner, M. R., Mali, I., Eastern New Mexico University Student Research Conference., "Naïve Occupancy of the Rio Grande Cooter (Pseudemys gorzugi) Across the Pecos River in New Mexico and Texas.," Portales, NM. (March 11, 2021).

Neuharth, D. B. (Student), Drukker, S. S. (student), Fritts, S. R., Forstner, M. R. (PI), Annual Symposium, "In primary succession: the response of a lizard assemblage eight years after catastrophic wildfire," Texas Herpetological Society, Alpine. (2019).

Neuharth, D. B. (Student), Fritts, S. R., Forstner, M. R. (PI), Joint Meeting of Ichthyologists and Herpetologists, "Response of a Lizard Assemblage Following a Catastrophic Wildfire," Snow Bird, UT, United States. (2019).

Forstner, M. R., Adcock, Z. C., Texas Herpetological Society, 76th Meeting Fall Symposium, "Investigating microhabitat parameters for federally threatened Jollyville Plateau salamanders," San Marcos, TX. (2015).

Forstner, M. R., Villamizar-Gomez, A., Keitt, W., Farr, W., Texas Herpetological Society, 76th Meeting Fall Symposium, "Using roadkill as a proxy for amphibian disease assessment," San Marcos, TX, United States. (2015).

Forstner, M. R., MacLaren, A., McCracken, S. F., Seventh Annual International Research Conference for graduate students, "Revising the Federal Protocol for Conducting Presence/Absence Surveys for the Endangered Houston Toad (Bufo houstonensis)," San Marcos, TX. (November 17, 2015).

Forstner, M. R., Prather, P., McCracken, S. F., 76th Meeting Fall Symposium, "Bridging the gap: connecting landscapes with the installation of wildlife corridors," Texas Herpetological Society, San Marcos, TX, United States. (November 7, 2015).

Forstner, M. R., Hernandez, J. A., McCracken, S. F., Texas Herpetological Society, 76th Meeting Fall Symposium, "Mechanical thinning: an assessment using herpetofauna in the Lost Pines ecoregion of Bastrop County, Texas," San Marcos, TX. (November 7, 2015).

Forstner, M. R., Sirsi, S., Singh, S., Texas Herpetological Society, 76th Meeting Fall Symposium, "Variation in reproductive output of the Crowned River Turtle (Hardella thurjii)," San Marcos, TX. (November 7, 2015).

Forstner, M. R., Parandhaman, A., McCracken, S. F., 20th Annual Biology Student Colloquium, "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," San Marcos, TX. (April 17, 2015).

Forstner, M. R., Adcock, Z., 20th Annual Biology Student Colloquium, "Definining habitat for the Federally Threatened Jollyville Plateau Salamander (Eurycea tonkawae)," San Marcos, TX. (April 17, 2015).

Forstner, M. R., Shashwat, S., 20th Annual Biology Student Colloquium, "Nothing really matters? Reproductive output in Hardella thurjii," San Marcos, TX. (April 17, 2015).

Forstner, M. R., Maclaren, A., McCracken, S., 20th Annual Biology Student Colloquium, "Teach your computer to be a better listener: A lesson on development and implementation of automated audio recognition tools," San Marcos, TX. (April 17, 2015).

Forstner, M. R., Villamizar, A., Adcock, Z. C., Hahn, D., Williamson County Eurycea Symposium, "Chytrid fungus (Batrachochytrium dendrobatidis) prevalence over time in the Jollyville Plateau Salamander (Eurycea tonkawae) of Central Texas," Round Rock, TX. (January 9, 2015).

Forstner, M. R., Adcock, Z., Williamson County Eurycea Symposium, "Increasing Detection and Evaluating Microhabitat Use for the Federally Threatened Jollyville Plateau Salamander (Eurycea tonkawae)," Round Rock, TX. (January 9, 2015).

2. Invited Talks, Lectures, and Presentations:

Forstner, M. R., Texas Master Naturalists, "Houston toads in 2014: active stewardship and the hope for recovery," Greater Brazos Valley Chapter, Brazos Valley Museum, 13 November 2014. (2014).

Forstner, M. R., McCracken, S.F., The Tropical Forest Research and Education Conference: Yasuni Day, Mindo, Ecuador, "Do limited access rainforest oil roads = limited disturbance? Impacts on amphibians of the high canopy and the consequent genetic implications at the landscape scale." (2013).

Forstner, M. R., Brown, D., Jones, M., Alum creek WMA 2013 meeting, "The drought, the fire: What can we say about the Houston toad," Bastrop County LPHCP stakeholders group, Bastrop, TX, Feb 9, 2013. (2013).

Forstner, M. R., Elliot, V., Wilson, K., Hahn, D., Liberal Arts Advisory Board meeting, "Collaborative Science in Cambodia," Texas State University, Oct. 26, 2012. (2012).

Forstner, M. R., Vandewege, M., Crump, P., USFWS Preventing Extinction, "Houston toads: supplementing the wild populations," Houston Zoo, Inc. Nov 8, 2012. (2012).

Forstner, M. R., Crump, P., Vandewege, M., 7th World Congress of Herpetology, "Using high resolution genetic markers to track the success of headstarted bufonids (Bufo

houstonensis) in supplementation of the wild population," August 8-12, Vancouver, Canada. (2012).

Forstner, M. R., McHenry, D., Vandewege, M., Houston toad recovery team meeting, "Genetic management of the Houston toad: state of the knowledge, options, and implications for future recovery efforts," USWFS, Austin TX. Apr 25, 2011. (2011).

Forstner, M. R., Brown, D., McCracken, S., 2011 alumni meeting, "Stewardship of the Houston toads," Capital Area Council, Boy Scouts of America, Bastrop, TX, Apr 9, 2011. (2011).

Forstner, M. R., Invited seminar series, "Applications of genetics and genomics for wildlife conservation," Centre for Biodiversity Conservation. Royal University of Cambodia, Phnom Penh, Cambodia. December 13-14th, 2010. (2010).

Forstner, M. R., "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. (2010).

Forstner, M. R., Plenary speaker. Natureserve: Southeast Natural Heritage Conference, "Field data, testing assumptions, guiding stewardship: a comprehensive approach to Houston toad conservation," April 29-30, 2010, Austin TX. (2010).

Forstner, M. R., Buzo, D., Swannack, T., Bell, J., 2010 Environmental Coordinators Conference, "Road ecology in the endangered Houston toad, the data enabling proactive approaches," September 14-16, 2010, Austin, TX. (2010).

Forstner, M. R., Mahato, N., National Seminar on Red Panda conservation, Initiatives in Sacred Himalaya Landscape of Nepal's Himalaya, "Status and Distribution of red panda (Ailurus fulgens) in Nepal Himalaya for use in prioritizing nationwide conservation efforts," Department of National Parks and Wildlife Conservation and the Department of Forests, February 18-19, 2010, Kathmandu, Nepal. (2010).

Forstner, M. R., Brown, D., Jackson, J., Schultz, A., Dickerson, B., McHenry, D., Dixon, J.R., Joint meeting of the Texas Herpetological Society and the Dallas-Ft. Worth Herpetological Society, "Texas' turtles: the Good, the Bad, and the Ugly," October 15-17, University of Texas at Arlington, Arlington, TX. (2010).

Forstner, M. R., Dixon, J.R., East Texas Herpetological Society 20th Annual Conference, Reptile Sale & Educational Exhibit, "The changing world of Texas' turtles," September 24 - 26, 2010, Brookhollow Crowne Plaza, Houston, Texas. (2010).

Forstner, M. R., Jackson, J., Dixon, J.R., Turtle Survival Alliance 7th Annual meeting, "Assessment of population structure and hybridization in extant Trachemys gaigeae populations in the Rio Grande: an application of molecular methods in turtle conservation," Aug 5-8, 2009. St. Louis, MO. (2009).

Forstner, M. R., Gaston, M., 1st Annual stakeholders meeting. June 26, 2009, Bastrop TX, "Biology, Ecology, and Conservation of the Houston toad," Texas Parks and Wildlife Department, Bastrop County, and Alum Creek WMA. (2009).

Forstner, M. R., Bell, J. H., Utilities Habitat Conservation Plan Committee, Environmental Defense, and the USFWS, "Challenging recovery: the 2005-2009 drought and the Houston toad," McKinney Roughs State Park auditorium, Austin TX. Nov 2, 2009. (2009).

Forstner, M. R., "The Texas tortoise as an icon for nongame conservation in Texas," San Marcos Chapter Lions Club. (2009).

Forstner, M. R., River's End seminar series, "Turtles as biological indicators in the Rio Grande Basin," Texas State University. May 7, 2009. (2009).

Forstner, M. R., Buzo, D., United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting, "A GIS predictive habitat distribution model for the Houston toad," Bastrop, TX, March 26. 2008. (2008).

Forstner, M. R., "Advanced Phylogenetic Analyses: from markers to genes. Malaysia Genome Institute," University of Malaysia, Kebangsaan. Dec 3-7, Bangi, Selangor, Malaysia. (2008).

Additional Comments: (Invited Workshop leader)

Forstner, M. R., Wagner, M., 2008 Texas Wildlife Diversity Conference, "New Dimensions in wildlife management: Impacts of commercial turtle harvest in Texas," Implementation of the Texas Wildlife Action Plan (TWAP):Focus on Partnerships and Implementation, Houston, TX, Jan 17-19. (2008).

Forstner, M. R., Buzo, D., United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad team meeting, "Rangewide status review and GIS habitat model validation for the Houston toad," Bastrop, TX, Nov 24, 2008. (2008).

Forstner, M. R., McHenry, D.J., United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting, "Results from population genetics studies of the Houston toad," Bastrop, TX, March 26. 2008. (2008).

Forstner, M. R., Gaston, M., United States Fish and Wildlife Service, Austin Ecological Services Branch, Houston toad recovery Initiative kick off meeting, "Stewardship options and priorities for the Houston toad," Bastrop, TX, March 26. 2008. (2008).

Forstner, M. R., Annual Meeting, "Texas turtles: the good, the bad, and the ugly," East Texas Herpetological Society. (2008).

Forstner, M. R., Bailey, L., Dixon, J.R., IX Reunion Nacional de Herpetologia, "The Status of Pseudemys gorzugi (Reptilia:Emydidae) in the Rio Bravo Basin," Universidad Autonoma de Nuevo Leon, Monterrey, Nuevo Leon, Mexico. Nov 6-9, 2006. (2008).

Forstner, M. R., Jackson, J., Bailey, L., Dixon, J.R., TAS meeting, "The Status Status of two native turtles of the Rio Grande Basin (Emydidae: Trachemys gaigeae and Pseudemys gorzugi): fieldwork, ecology, and genetics," Sept 17-20, 2008, Tuscon, AZ. (2008).

Forstner, M. R., Jones, M., Jackson, J., Greuter, K., Swannack, T., Weckerly, B., Baccus, J., "Aspects of Houston toad ecology critical to management options," Texas Parks and Wildlife Department, Bastrop, Texas. June 1, 2005. (2006).

Forstner, M. R., Department of Biology Seminar Series, "Stewardship at the edge of extinction," Sept 18, 2006. Texas State University. San Marcos, Texas. (2006).

Forstner, M. R., Jones, M., Greuter, K., Weckerly, F., Baccus, J., Swannack, T., "Collaborative restoration of Houston toad habitat," United States Fish and Wildlife Service, Austin, Texas. Apr 27, 2005. (2005).

Forstner, M. R., National Science Foundation, "Turtle Genetics Workshop," Harvard University, Boston, MA. Aug 7-12, 2005. (2005).

Forstner, M. R., Swannack, T., Temple-Inland Forestry management seminar, "Lessons learned from the Houston toad: implications for forestry management," July 2004. Austin, TX. (2004).

Forstner, M. R., Swannack, T., Greuter, K., Keifer, S., Ferguson, A., Baccus, J., Wildlife diversity conference, "Quantitative aspects of Houston toad ecology," Texas Parks and Wildlife Department, San Marcos, TX. Aug 2004. (2004).

Forstner, M. R., Mealey, B.K., Parks, G.M., Baldwin, J.D., Third workshop on the ecology, status, and conservation of Diamondback terrapins, "The Insular Ecology of Malaclemys terrapin macrospilota and M. t. rhizophorarum of Florida Bay and the Florida Keys," 17-19 Sept 2004, Jacksonville, Florida. (2004).

Forstner, M. R., 2nd Annual Ecuador Tropical Forest Research and Education Conference, "Toward a GIS framework of amphibian diversity, distribution, and density in Amazonia: work from Yasuni National Park," Oct 15-17, 2004. Mindo Biological Station, Ecuador. (2004).

Forstner, M. R., Lobban, G., Morris, S.R., IUCN Turtle Survival Alliance Symposium, "Heosemys grandis captive assurance colonies: wild founder characteristics and parasitism," Orlando FL, Aug 18-21, 2003. (2003).

Forstner, M. R., Baylor University Seminar Series, "History in the molecules: Pleistocene signatures on Texas vertebrates," Nov 12, 2003. Waco, Texas. (2003).

Forstner, M. R., USFWS, "Houston toad habitat and status in Bastrop County, Texas," Jan 29, San Marcos, TX. (2003).

Forstner, M. R., IUCN Turtle Survival Alliance Symposium, "Managing small populations of vertebrates," Orlando FL, Aug 18-21, Orlando FL, Aug 18-21, 2003. (2003).

Forstner, M. R., "Status assessment, reproduction, habitat use, and survivorship of Houston toads using new techniques and integrated experimental design." (2003).

Forstner, M. R., Southwest Texas State University, Dept. of Biology Seminar series, "History in the molecules: Using phylogenetics and biogeography to reconstruct near term climatic changes in Texas," Oct 14, San Marcos, TX. (2002).

Forstner, M. R., USFWS Houston toad recovery team public information seminar, "Population trends, current status, and ongoing investigations of the Houston toad (Bufo houstonensis)," Oct 23, Bastrop, TX. (2002).

Forstner, M. R., USFWS Houston toad recovery team/implementation team joint meeting, "Preliminary results of Houston toad research in Bastrop County, TX," June 18, Austin, TX. (2002).

Forstner, M. R., Inventory Scoping Meeting, "Chihuahuan Desert Parks, Inventory and Monitoring," National Park Service, May 30-Jun 1, Odessa, TX. (2001).

Forstner, M. R., Bastrop County, Stakeholders group and Public forum, "Houston toad results from the Griffith League Ranch, Bastrop County, TX," June 27, Bastrop, TX. (2001).

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

Forstner, M. R., "A molecular perspective of the historical radiations of the Serpentes (Reptilia: Squamata)," University of Miami. Nov 29, Miami, FL. (1999).

Forstner, M. R., Distinguished seminar series, "Diamondback terrapin ecology: population size, demographics, genetics, and ecology," Florida International University, Nov 16, Miami, FL. (1999).

Forstner, M. R., Southwest Texas State University, Seminar series, "Molecular markers and systematics: tools for understanding evolution and managing populations," April, San Marcos, TX. (1999).

Forstner, M. R., Centenary Congress of the Anthropological Institute and Museum, University of Zurich. Oct, Zurich, Switzerland, "Molecular phylogenetics of the Lemuridae." (1999).

Forstner, M. R., All Florida Herpetological conference, "Population ecology and genetics of Malaclemys terrapin in Florida Bay," May, Gainesville, FL. (1999).

Forstner, M. R., Adaptive radiations: the topology of success: examples from anthropoids, Institute of Anthropology, University of Switzerland. May 4, Zurich, Switzerland. (1998).

Forstner, M. R., Symposia of Crocodilian Biology and Evolution, "High resolution identification of interspecific hybrids of the American crocodile (Crocodylus acutus) and the Cuban crocodile (C. rhombifer)," University of Australia. July, Brisbane, Australia. (1998).

Forstner, M. R., "Molecular markers for conservation genetics: lessons from new world crocodiles," Universiti Kebangsaan. July 17, Kuala Lumpur, Malaysia. (1998).

Forstner, M. R., "Texas Cooperative Wildlife Collection," Texas A&M University, March, College Station, TX. (1998).

Forstner, M. R., Florida Atlantic University seminar series, "Ancient divergences and modern populations: applications of molecular genetics in reptile evolution and conservation," April 11, Davie, FL. (1997).

Forstner, M. R., Environmental Leaders Forum, "Identification of crocodilian hybrids using molecular markers: a case study in the Cuban crocodile (Crocodylus rhombifer) and the American crocodile (C. acutus)," Columbia University. May, New York, NY. (1997).

Forstner, M. R., Arden House Biological Retreat, "Molecular Systematics: Applications to Conservation Biology," Columbia University Faculty. January, Harriman, NY. (1997).

Forstner, M. R., "Reptile conservation and the pet trade," Columbia University. May, New York, NY. (1997).

Forstner, M. R., Center for Environmental Research and Conservation, Morningside Institute Mid-Career Training Committee, "Conservation genetics. Mid-Career Day Series," Department of Anthropology, Columbia University. May, New York, NY. (1996).

Forstner, M. R., Center for Biodiversity and Conservation, Faculty of Math and Sciences, "Workshop on Phylogenetics: methods and molecular systematics," University of Indonesia, Campus UI, Depok-Jakarta. June 24-26, Jakarta, Indonesia. (1996).

Forstner, M. R., American Society of Ichthyologists and Herpetologists/Herpetologist's League, "Squamate relationships and the phylogeny of the Henophidia," July, Edmonton, Canada. (1995).

Forstner, M. R., 14th Meeting of the William Hennig Society, "The phylogeny and evolution of primitive snakes," July, College Station, TX. (1995).

13. Other Works not in Print:

a. Works "submitted" or "under review":

Reports:

Forstner, M. R., Rodriguez, D. S., & Duvall-Jisha, J. H. (2015). *Final Report. Bastrop County rights of way restoration and recovery operations from the Bastrop Complex Fire of 2011: Endangered species monitoring*.

Forstner, M. R., & Duvall-Jisha, J. H. (2015). *Interim Report. Welsh Tract Federal Fuel reduction: 2014-2015 quarterly report summary*.

Additional Comments: Bastrop County, TX

Forstner, M. R., & J H. (2015). *Interim Report. Welsh Tract Federal Fuel reduction: 2015 quarterly report on migratory bird and Houston toad compliance monitoring*.

Forstner, M. R., Stout, D. J., & Duvall-Jisha, J. H. (2015). *Interim Report. Welsh Tract Federal Fuel reduction: 2015 third quarterly report on migratory bird and Houston toad compliance monitoring*.

Forstner, M. R., MacLaren, A., & McCracken, S. F. (2015). *Final Report. Houston toad (Bufo houstonensis) chorus survey Bastrop State Park*.

Forstner, M. R., Jones, M. C., & Vandewege, M. W. (2015). *Final Report. Population supplementation: a proven means toward endangered species recovery for the Houston toad (Bufo houstonensis). Final report for Preventing Extinction II*.

Forstner, M. R., & Jones, M. C. (2015). *Final report. Testing habitat restoration options in the Houston toad (Bufo houstonensis) with the aftermath of the Bastrop County Complex Fire*.

Additional Comments: Project E-149

c. Other Works Not in Print:

Abstracts:

Forstner, M. R., Wilkins, N., Dixon, J.R., Engle, J., Price, A., Symposium, San Antonio, "Developing a habitat importance model for the endangered Houston toad. New applications of GIS databases: GIS in Conservation." (2002).

Forstner, M. R., MacLaren, A.R., McCracken, S.F., 75th Meeting Fall Symposium, "Being there all the time: Creating robust automated audio detection tools for anurans with emphasis on Bufo houstonensis," Texas Herpetological Society, November 8, 2014, Texas State University, San Marcos, Texas. (2014).

Forstner, M. R., Water, Wildlife and Wide Open Spaces: A Texas summit on climate and the environment, "Drought and aquatic wildlife," November 20-21, 2014, San Marcos, Texas. (2014).

Forstner, M. R., Prather, P., Rodriguez, D., Adock, Z., Jones, M., Ozel, E., Parandhamand, A., Schumacher, L., Stout, D.J., Villamizar, A., 75th Meeting Fall Symposium, "Effect of salvage logging on herpetofaunal communities following severe wildfires in the Lost Pines ecoregion," Texas Herpetological Society, November 8, 2014, Texas State University, San Marcos, Texas. (2014).

Forstner, M. R., Adcock, Z.C., 75th Meeting Fall Symposium, "Innovative sampling techniques reveal high numbers of federally threatened Jollyville Plateau Salamander (Eurycea tonkawae)," Texas Herpetological Society, November 8, 2014, Texas State University, San Marcos, Texas. (2014).

Forstner, M. R., Adcock, Z., Crow, J., Hahn, D., Tomasso, J., Eurycea Adaptive management working group, "Research toward understanding detection probabilities, water quality, and disease influences on the Jollyville salamander (Eurycea tonkawae)," 2014 1st annual meeting, Georgetown, Texas. 2 September 2014. (2014).

Forstner, M. R., "Venomous snakes and pragmatic safety considerations for personnel," Texas Department of Transportation. (2014).

Forstner, M. R., Parandhamand, A., McCracken, S.F., 75th Meeting Fall Symposium, Texas Herpetological Society, Texas State University, San Marcos, Texas. (November 8, 2014).

Forstner, M. R., Adcock, Z., 2014 annual Board meeting research program, "Assessment of water quality, disease, microhabitat, and abundance for the Jollyville Plateau Salamander (Eurycea tonkawae)," Williamson County Conservation Foundation. (October 22, 2014).

Forstner, M. R., Mali, I., Vandewege, M.W., Davis, S.K., 2013 Fall Symposium, "Are newly implemented harvest management regimes the best strategy for protection of wild freshwater turtle populations in the Southeast USA?," Texas Herpetological Society, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013. (2013).

Forstner, M. R., Jones, M., Vandewege, M.W., 2013 Fall Symposium, "Efficacy and Efficiency of Head-starting and Captive Propagation of the Houston toad (Bufo houstonensis)," Texas Herpetological Society, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013. (2013).

Forstner, M. R., Rodriguez, D., Hahn, D., 2013 Fall Symposium, "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, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013. (2013).

Forstner, M. R., "Houston toad characteristics, life cycle, and habitat," General Land Office, Austin, TX. June 6, 2013. (2013).

Forstner, M. R., Brown, D.J., 116th Annual Meeting, "Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas," Texas Academy of Science, February 28-March 2, 2013, Schreiner University, Kerrville, Texas. (2013).

Additional Comments: *winner 1st Place, Best student oral presentation

Forstner, M. R., Mali, I., Vandewege, M.W., Davis, S.K., 5th Annual International Research Conference for Graduate Students, "International markets and national impacts to biodiversity: the magnitude of freshwater turtle exports from the US and recent regulatory outcomes," November 6-7, 2013, Texas State University, San Marcos, TX. (2013).

Forstner, M. R., Villamizar, A., 18th Annual Biology Student Colloquium, "Presence of Batrachochytrium dendrobatidis and Ranavirus in Central Texas," March 22, 2013, Texas State University, San Marcos, TX. (2013).

Forstner, M. R., Villamizar, A., Hahn, D., 2013 Fall Symposium, "Prevalence of Batrachochytrium dendrobatidis in Tamualipas, MX," Texas Herpetological Society, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013. (2013).

Forstner, M. R., Jones, M., 60th Annual meeting of the Southwestern Association of Naturalists, "Testing habitat restoration options in the Houston toad (Bufo houstonensis) with the aftermath of catastrophic wildfire in Texas," 4-7 April, McNeese State University, Lake Charles, Louisiana, USA. (2013).

Forstner, M. R., Brown, D., Swannack, T.M., Jones, M.C., Dixon, J.R., 2013 Fall Symposium, "The Houston toad (Bufo houstonensis): paths to extinction or recovery," Texas Herpetological Society, Midwestern State University, Wichita Falls, TX. Oct 11-12, 2013. (2013).

Forstner, M. R., Brown, D.J., Mali, I., 116th Annual Meeting, "Trapping turtles using hoop-nets: testing assumptions and potential biases," Texas Academy of Science, February 28-March 2, 2013, Schreiner University, Kerrville, Texas. (2013).

Additional Comments: *winner 2nd Place, Best student oral presentation

Forstner, M. R., Mali, I., 18th Annual Biology Student Colloquium, "Trapping turtles using hoop-nets: testing assumptions and potential biases," March 22, 2013, Texas State University, San Marcos, TX. (2013).

Forstner, M. R., Brown, D.J., Swannack, T.M., 7th World Congress of Herpetology, "A Race Against Extinction: Research to Inform Recovery Efforts for the Critically Endangered Houston Toad," Aug 8-14, 2012, Vancouver, Canada. (2012).

Forstner, M. R., Wallace, D., Farallo, V., Buzo, D., 2012 Fall Symposium, "Analyzing Houston Toad habitat fragments for viability in the face of ongoing fragmentation, severe drought, and catastrophic wildfire," Texas Herpetological Society, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012. (2012).

Forstner, M. R., Wallace, D., Farallo, V.R., Buzo, D., Fourth Annual International Research Conference for Graduate Students, "Analyzing Houston Toad habitat fragments for viability in the face of ongoing fragmentation, severe drought, and catastrophic wildfire," November 7 - 8, 2012, Texas State University, San Marcos, TX. (2012).

Forstner, M. R., McCracken, S., 17th Annual Biology Student Colloquium, "Anthropogenic and ecological effects on anurans inhabiting an upper canopy tank bromeliad (Aechmea zebrina) in Yasuni Biosphere Reserve, Amazonian Ecuador," Mar 23, 2012, Texas State University, San Marcos, TX. (2012).

Forstner, M. R., Preston, D., 17th Annual Biology Student Colloquium, "Chemically mediated predator avoidance behavior in the Coastal plains toad (Bufo nebulifer)," Mar 23, 2012, Texas State University, San Marcos, TX. (2012).

Forstner, M. R., Preston, D., 2012 Fall Symposium, "Chemically Mediated Predator Avoidance Behaviors in Tadpoles of the Federally Endangered Houston Toad (Bufo [Anaxyrus] houstonensis) and Their Ecological Implications," Texas Herpetological Society, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012. (2012).

Forstner, M. R., Villamizar, A., Miller, S., Hahn, D., Fourth Annual International Research Conference for Graduate Students, "Chytridiomycosis: A Disease Affecting Amphibian Communities in Central Texas," November 7 - 8, 2012, Texas State University, San Marcos, TX. (2012).

Forstner, M. R., Jones, M., 2012 Fall Symposium, "Habitat suitability and head-start efficiency and effectiveness testing in the endangered Houston toad (Bufo houstonensis)," Texas Herpetological Society, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012. (2012).

Forstner, M. R., Brown, E., Ozel, E., Preston, D.B., Fourth Annual International Research Conference for Graduate Students, "How do fire ants (Solenopsis invicta) respond to the changes brought on by last year’s wildfires in the Lost Pines region of Texas," November 7 - 8, 2012, Texas State University, San Marcos, TX. (2012).

Forstner, M. R., Brown, D., Duarte, A., Mali, I., Jones, M.C., Fourth Annual International Research Conference for Graduate Students, "Impacts of a high intensity wildfire on abundane, movement, and diversity of herpetofauna in the Lost Pines ecoregion of Texas," November 7 - 8, 2012, Texas State University, San Marcos, TX. (2012).

Forstner, M. R., Brown, D., Swannack, T.M., "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. (2012).

Forstner, M. R., McCracken, S.F., 2012 Fall Symposium, "Just how bad are roads, anyway? Oil road effects on the anuran community of a high canopy tank bromeliad," Texas Herpetological Society, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012. (2012).

Forstner, M. R., McCracken, S., 7th World Congress of Herpetology, "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," Aug 8-14, 2012, Vancouver, Canada. (2012).

Forstner, M. R., Preston, D., Fourth Annual International Research Conference for Graduate Students, "Predation-related chemical cues decrease the activity levels of Houston Toad (Bufo[Anaxyrus] houstonensis)," November 7 - 8, 2012, Texas State University, San Marcos, TX. (2012).

Forstner, M. R., Villamizar, A., Miller, S., Hahn, D., 2012 Fall Symposium, "Prevalence of Batrachochytrium dendrobatidis in amphibian populations in Central Texas," Texas Herpetological Society, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012. (2012).

Forstner, M. R., Mali, I., 7th World Congress of Herpetology, "Sustainability as applied to the use of chelonians worldwide," Aug 8-14, 2012, Vancouver, Canada. (2012).

Forstner, M. R., Ozel, E., Brown, D.J., Preston, D.B., 2012 Fall Symposium, "The Effect of Canopy Cover, Prescribed Fire, Temperature and Precipitation on Annual RIFA Activity in the Lost Pines Ecoregion of Texas," Texas Herpetological Society, Heard Natural Science Museum, McKinney, TX. Oct 27, 2012. (2012).

Forstner, M. R., Mahato, N., 114th Annual Meeting, "A general habitat suitability model for the endangered Houston toad (Bufo houstonensis) from remote sensing data," Texas Academy of Science, March 3-5, 2010, St. Edwards University, Austin, Texas. (2011).

Forstner, M. R., Sha, Q., Vatten, X., Hahn, D., 3rd Annual International Research Conference for Graduate Students, "Assessing pathogenicity of Salmonella isolates from natural biofilms," November 2-3, 2011, Texas State University, San Marcos, TX. (2011).

Forstner, M. R., Mali, I., Brown, D., 96th Annual meeting, "Conservation and sustainable use of turtle populations worldwide: Past, present, and future strategies," Ecological Society of America, August 7-12, 2011, Austin Convention Center, Austin, TX. (2011).

Forstner, M. R., Mali, I., Brown, D., Seventh International Conference on Environmental, Cultural, Economic, and Social Sustainability, "Conservation and Sustainable Use of Turtle Populations Worldwide: Past, Present, and Future Strategies," 5-7, January 2011. University of Waikato, New Zealand. (2011).

Forstner, M. R., Duarte, A., Brown, D.J., 3rd Annual International Research Conference for Graduate Students, "Estimating abundance of the endangered Houston toad (Bufo houstonensis) on a primary recovery site," November 2-3, 2011, Texas State University, San Marcos, TX. (2011).

Forstner, M. R., Jones, M., Dixon, J.R., 114th Annual Meeting, "Is bigger always better? Mate selection in the Houston toad (Bufo houstonensis)," Texas Academy of Science, March 3-5, 2010, St. Edwards University, Austin, Texas. (2011).

Additional Comments: winner Honorable Mention, Best student oral presentation

Forstner, M. R., McCracken, S., 16th Annual Biology Student Colloquium, "Multi-rotor UAVS- A new tool for Biologists," Apr 1, 2011, Texas State University, San Marcos, TX. (2011).

Forstner, M. R., Jones, M., Dixon, J.R., 16th Annual Biology Student Colloquium, "Multi-rotor UAVS- A new tool for Biologists," Apr 1, 2011, Texas State University, San Marcos, TX. (2011).

Forstner, M. R., Farallo, V.R, 96th Annual meeting, "Predation and the maintenance of color polymorphism in a habitat specialist squamate," Ecological Society of America, August 7-12, 2011, Austin Convention Center, Austin, TX. (2011).

Forstner, M. R., Brown, D., Baccus, J.T., 114th Annual Meeting, "Short-term effects of fire on juvenile amphibians in a southern USA pine forest,"

Texas Academy of Science, March 3-5, 2010, St. Edwards University, Austin, Texas. (2011).

Forstner, M. R., Brown, D., Baccus, J.T., 16th Annual Biology Student Colloquium, "Short-term effects of fire on juvenile amphibians in a southern USA pine forest," Apr 1, 2011, Texas State University, San Marcos, TX. (2011).

Forstner, M. R., Brown, D., Baccus, J.T., Means, D.B., 96th Annual meeting, "Short-term outcomes for juvenile amphibians after fire in a southern USA pine forest," Ecological Society of America, August 7-12, 2011, Austin Convention Center, Austin, TX. (2011).

Forstner, M. R., Brown, D., Mali, I., 16th Annual Biology Student Colloquium, "Toward sustainable worldwide utilization of Chelonians," Apr 1, 2011, Texas State University, San Marcos, TX. (2011).

Forstner, M. R., Mahato, N., 11th Ecological Integration Symposium, Understanding Patterns and Processes across Scales, "A distribution model for guidance toward the conservation planning of red panda (Ailurus fulgens) in Nepal," March 26-27, 2010, Texas A&M University, College Station, Texas. (2010).

Forstner, M. R., Farallo, V.R, 113th Annual Meeting, "Are the color forms in the mottled rock rattlesnake (Crotalus lepidus lepidus) consequent of predation?," Texas Academy of Science, March 4-6, 2010, Tarleton State University, Stephenville, Texas. (2010).

Forstner, M. R., Harper, A., 57th Annual meeting Southwestern Association of Naturalists, "Assessing impacts of drought on herpetofauna through repeated surveys and morphometric comparisons," Apr 22-24, 2010, Llano River Field Station, Junction, TX. (2010).

Forstner, M. R., McHenry, D., 57th Annual meeting Southwestern Association of Naturalists, "Characterizing natural levels of interspecific admixture in an endangered toad, (Bufo houstonensis)," Apr 22-24, 2010, Llano River Field Station, Junction, TX. (2010).

Forstner, M. R., Mahato, N., Organization of Fish and Wildlife Information Managers annual conference, "Determining endangered species habitat in the face of cryptic species and few occupancy surveys: an example from the red panda (Ailurus fulgens) in Nepal," Oct 18-21, Cadiz, Kentucky. (2010).

Additional Comments: $600

Forstner, M. R., Howard, L.L., Jones, M.E.B., Flangan, J.P., Crump, P.S., Marin, M.L., Prim, T.P., Pessier, A.P., "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, "Disseminated Mycobateriosis in a headstart colony of Houston toads (Bufo houstonensis)," South Padre Island, Texas, USA. Oct 24-25, 2010. (2010).

Forstner, M. R., Mahato, N., 113th Annual Meeting, "Distribution and GIS-based habitat modeling of red panda (Ailurus fulgens) in Nepal," Texas Academy of Science, March 4-6, 2010, Tarleton State University, Stephenville, Texas. (2010).

Forstner, M. R., Vandewege, M., McHenry, D., 57th Annual meeting Southwestern Association of Naturalists, "Evidence of multiple paternity in the critically endangered Houston toad (Bufo houstonensis)," Apr 22-24, 2010, Llano River Field Station, Junction, TX. (2010).

Forstner, M. R., Schultz, A., 15th Annual Biology Student Colloquium, "Inferring Population Changes of Freshwater Turtles in South Texas," April 3, 2010, Texas State University, San Marcos, TX. (2010).

Forstner, M. R., Gaston, M.A., Fujii, A., Weckerly, F., 113th Annual Meeting, "Potential component Allee effects and their consequences in Houston toad (Bufo houstonensis) stewardship," Texas Academy of Science, March 4-6, 2010, Tarleton State University, Stephenville, Texas. (2010).

Forstner, M. R., Dickerson, B.E., Annual Meeting, "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, Feb 18-20th, Galveston, Texas. (2010).

Forstner, M. R., Mahato, N.K., Subedi, P., Poudel, L., 57th Annual meeting Southwestern Association of Naturalists, "Status and conservation of the galliformes population in Pipar and the importance of the adjacent Santel area for pheasant conservation in Nepal," Apr 22-24, 2010, Llano River Field Station, Junction, TX. (2010).

Forstner, M. R., McHenry, D., 113th Annual Meeting, Texas Academy of Science, "The bittersweet success of headstarting in the Houston toad (Bufo houstonensis)," March 4-6, 2010, Tarleton State University, Stephenville, Texas. (2010).

Forstner, M. R., Devolld, B., 15th Annual Biology Student Colloquium, "The effects of prescribed fire on red-imported fire ant (Solenopsis invicta)

populations around ponds in the Lost Pines ecoregion of Texas," April 3, 2010, Texas State University, San Marcos, TX. (2010).

Forstner, M. R., Vandewege, M., Rodriguez, D., Weaver, J.P., Hibbits, T.D., Densmore, L.D., 113th Annual Meeting, "The hybrid zone between (Elaphe bairdi and Elaphe obsoleta lindheimeri) in Texas inferred from microsatellite and mitochondrial DNA data," Texas Academy of Science, March 4-6, 2010, Tarleton State University, Stephenville, Texas. (2010).

Forstner, M. R., Schultz, A., 57th Annual meeting Southwestern Association of Naturalists, "Turtle trends in the Lower Rio Grande Valley across thirty years with both long and short-term replication," Apr 22-24, 2010, Llano River Field Station, Junction, TX. 57th Annual meeting Southwestern Association of Naturalists. (2010).

Forstner, M. R., Holihan, R.J., International Research Conference, "Abstract. An analysis of trends in sea turtle rehabilitation on the Texas coast," Nov 4-5, Texas State University, San Marcos, Texas. (2009).

Forstner, M. R., McCracken, S.F., Gaertner, J.P., Hahn, D., International Research Conference, "Amphibian chytrid fungus across the vertical strata of an Ecuadorian Amazon lowland rainforest," Nov 4-5, Texas State University, San Marcos, Texas. (2009).

Forstner, M. R., McCracken, S.F., Gaertner, J.P., Hahn, D., 14th Annual Biology Student Colloquium, "Detection of Batrachochytrium dendrobatidis in amphibians from the forest floor to the upper canopy of an Ecuadorian Amazon lowland rainforest," April 3, 2009, Texas State University, San Marcos, TX. (2009).

Forstner, M. R., Brown, D., Farallo, V., Dixon, J.R., Baccus, J., Simpson, T. R., International Research Conference, "Freshwater turtle conservation in Texas: Lingering Harvest Effects and Efficacy of the current management system," Nov 4-5, Texas State University, San Marcos, Texas. (2009).

Forstner, M. R., Swanson, R.L., Simpson, T.R., Rose, F.L., International Research Conference, "Herpetofauna of Palmetto State Park and the Ottine wetlands with comments on temporal and spatial trends.," Nov 4-5, Texas State University, San Marcos, Texas. (2009).

Forstner, M. R., Swannack, T.M., Wildlife symposium, "Impacts of the difference at age of first reproduction on a population of endangered Houston toads (Bufo houstonensis)," TAMU, College Station Texas, April 1, 2006. (2009).

Forstner, M. R., Dickerson, B.E., International Research Conference, "Road densities and their effect on the Red eared slider (Trachemys scripta elegans) in the lower Rio Grance Valley," Nov 4-5, Texas State University, San Marcos, Texas. (2009).

Forstner, M. R., Mahato, N.K., Subedi, P., Poudel, L., International Research Conference, "The rationale for expanding the Pipar pheasant reserve of Nepal: A perspective from surveys of the Galliformes population in Santel," Nov 4-5, Texas State University, San Marcos, Texas. (2009).

Forstner, M. R., Vandewege, M., Rodriguez, D., Weaver, J.P., Hibbits, T.D., Densmore, L.D., International Research Conference, "When species hybridize: The case of two Texas snakes (Elaphe bairdi and Elaphe obsoleta lindheimeri) using evidence inferred from microsatellite and mitochondrial DNA data," Nov 4-5, Texas State University, San Marcos, Texas. (2009).

Forstner, M. R., Farallo, V.R., International Research Conference, "Why so many forms? Field tests of the selective pressures on color pattern variation and its maintenance in the mottle rock rattlesnake (Crotalus lepidus lepidus)," Nov 4-5, Texas State University, San Marcos, Texas. (2009).

Forstner, M. R., Duvall-Jisha, J., 13th Annual Biology Student Colloquium, "Arthropod diversity during drought conditions," March 28, 2008, Texas State University, San Marcos, TX. (2008).

Forstner, M. R., Gaston, M., 13th Annual Biology Student Colloquium, "Patterns of behavioral and morphological variation in male Acris crepitans across three adjacent central Texas river basins," March 28, 2008, Texas State University, San Marcos, TX. (2008).

Forstner, M. R., Gaertner, J.P., Rose, F., Hahn, D., Biology Colloquium, "Detection of salmonellae in wild turtles and their aquatic habitats," April 30, 2007. Texas State University, San Marcos, Texas. (2007).

Forstner, M. R., Rodriguez, D., Moler, P., Densmore III, L.D., 3rd International Workshop on Crocodilian genetics and genomics, "Genetic structure of the American crocodile (Crocodylus acutus) in Florida and evidence of hybridization inferred from mitochondrial and nuclear markers," Smithsonian Tropical Research Institute, Panama City, Panama. April 13-15, 2007. (2007).

Forstner, M. R., Parlos, J., Biology Colloquium, "Is a decline in average size of the Texas spiny softshell (Apalone spinifera emoryi) indicative of

anthropogenic influences?," April 30, 2007. Texas State University, San Marcos, Texas. (2007).

Forstner, M. R., Parlos, J.A., 37th NASBR and XIV International Bat research conference, Merida, Mexico, "Preliminary population genetic and phylogeographic results in the Cave myotis (Myotis velifer) across Texas." (2007).

Forstner, M. R., Sorenson, T., Biology Colloquium, "The evolution of the Rh factor," April 30, 2007. Texas State University, San Marcos, Texas. (2007).

Forstner, M. R., Buzo, D., "A GIS model for identifying Houston Toad (Bufo houstonensis) habitat in Bastrop County, TX, USA," Texas Herpetological Society, Oct 20-21st, San Marcos, Texas. (2006).

Forstner, M. R., Rodriguez, D., Densmore, L.D., Texas Tech Graduate Student Forum, "Low allelic variation and its effects on detecting multiple paternity in two endangered species of crocodile: Crocodylus acutus and Crocodylus moreletti," Texas Tech University, Lubbock, TX. April 10-14. (2006).

Forstner, M. R., Parlos, J.A., Dixon, J.R., Jackson, J., "Texas Spiny Softshell (Apalone spinifera emoryi): A decline in average measurements due to harvest?," Texas Herpetological Society, Oct 20-21st, San Marcos, Texas. (2006).

Forstner, M. R., McCracken, S., "Can GIS tools be applied to model Amphibian distributions? Preliminary results from Yasuní National Park - Amazonian Ecuador," Texas Herpetological Society, Austin, TX. Nov 18-19, 2005. (2005).

Forstner, M. R., Ferguson, A.W., "Impacts of vertebrate predators on terrestrial drift fence sampling," Texas Herpetological Society, Austin, TX. Nov 18-19, 2005. (2005).

Forstner, M. R., Reilly, S.M., "Impacts of vertebrate predators on terrestrial drift fence sampling," Texas Herpetological Society, Austin, TX. Nov 18-19, 2005. (2005).

Forstner, M. R., Jackson, J., "Imperfect detection of Houston toads (Bufo houstonensis) by call surveys," Texas Herpetological Society, Austin, TX. Nov 18-19, 2005. (2005).

Forstner, M. R., Rodriguez, D., Densmore, L.D., "Low allelic variation in wild populations of two endangered species of crocodile: Crocodylus acutus and Crocodylus moreletii," Texas Herpetological Society, Austin, TX. Nov 18-19, 2005. (2005).

Forstner, M. R., Jones, M., "Prescribed Fire and Timber Harvest: Tools Used for the Adaptive Management and Restoration of Lost Pines Habitat," Texas Herpetological Society, Austin, TX. Nov 18-19, 2005. (2005).

Forstner, M. R., TAMUS Pathways Symposium, "Second report of Chrysemys dorsalis from Texas," Corpus Christi, Texas. Oct 15-16, 2004. (2004).

Forstner, M. R., Swannack, T.M., "A possible cause of the disparity in the sex ratio of adult Houston Toads," Texas Herpetological Society, San Marcos, TX. Oct 10-11. (2003).

Forstner, M. R., Burpo, N., Guthrie, R., "Differential growth rates due to variable protein diet in endangered turtles," Texas Herpetological Society, San Marcos, TX. (2003).

Forstner, M. R., Lobban, G., "Evaluation of the wildlife disease Haemogregarina sp. in turtles: identification, pathogenicity, and host-specificity," Texas Herpetological Society, San Marcos, TX. Oct 10-11. (2003).

Forstner, M. R., Greuter, K.L., "Post-metamorphic dispersal patterns in the juvenile Houston Toad (Bufo houstonensis)," Texas Herpetological Society, San Marcos, TX. Oct 10-11. (2003).

Forstner, M. R., Bates, C.L., Barnes, M.B., Whiteley, M., Pastorini, J., McLean, R.J.C., Texas Branch spring meeting, "Population analysis of aquifer biofilm isolates," American Society for Microbiology, San Antonio, TX. (2002).

Forstner, M. R., Bates, C.L., Barnes, M.B., Whiteley, M., Pastorini, J., "Population analysis of aquifer biofilm isolates. Texas Branch fall meeting, American Society for Microbiology," Junction, TX. (2001).

Other:

Forstner, M. R., Brown, D.J., Duarte, A., Mali, I., Jones, M.C., 2012 Fall Symposium, "Impacts of a high intensity wildfire on abundance, movement, and diversity of herpetofauna in the Lost Pines ecoregion of

Texas," Texas Herpetological Society, Heard Natural Science Museum, McKinney. (2012).

Forstner, M. R., Brown, D., McHenry, D., Alum creek WMA 2011 meeting, "Active stewardship: Houston toads now and then," Bastrop County LPHCP stakeholders group, Bastrop, TX, Jan 22, 2011. (2011).

Forstner, M. R., Harper, A., 16th Annual Biology Student Colloquium, "Assessing impacts of drought on herpetofauna," Apr 1, 2011, Texas State University, San Marcos, TX. (2011).

Forstner, M. R., Harper, A.L., Annual meeting of the Texas Herpetological Society, "Assessing impacts of drought on herpetofauna through repeated surveys and morphometric comparisons," 22 October, 2011, The University of Texas, Austin, Texas. (2011).

Forstner, M. R., Jones, M.C., Brown, D.J., Mali, I., McKinney, A., Annual meeting of the Texas Herpetological Society, "Assessment of Public Knowledge and Support for Recovery of the Endangered Houston Toad (Bufo houstonensis) in Bastrop, Texas," 22 October, 2011, The University of Texas, Austin, Texas. (2011).

Forstner, M. R., Preston, D., Annual meeting of the Texas Herpetological Society, "Chemically mediated predator avoidance behavior in the endangered Houston toad (Bufo houstonensis) using the Coastal Plain toad (Bufo nebulifer) as a proxy," 22 October, 2011, The University of Texas, Austin, Texas. (2011).

Forstner, M. R., Duarte, A., Brown, D.J., Annual meeting of the Texas Herpetological Society, "Estimating abundance of the endangered Houston toad (Bufo houstonensis) on a primary recovery site," 22 October, 2011, The University of Texas, Austin, Texas. (2011).

Forstner, M. R., Swannack, T.M., Brown, D.J., Annual meeting of the Texas Herpetological Society, "Influence of abiotic factors on activity patterns of the endangered Houston toad (Bufo houstonensis)," 22 October, 2011, The University of Texas, Austin, Texas. (2011).

Forstner, M. R., Jones, M., Dixon, J.R., 96th Annual meeting, "Is bigger always better? Mate selection in the Houston toad (Bufo houstonensis)," Ecological Society of America, August 7-12, 2011, Austin Convention Center, Austin, TX. (2011).

Forstner, M. R., Wallace, D., Farrallo, V., Buzo, D., Annual meeting of the Texas Herpetological Society, "Prioritizing the remaining Houston toad

habitat remnants for conservation in the face of ongoing fragmentation and wildfire," 22 October, 2011, The University of Texas, Austin, Texas. (2011).

Forstner, M. R., Mali, I., Brown, D.J., Annual meeting of the Texas Herpetological Society, "Trapping turtles using hoop-nets: testing assumptions and potential biases," 22 October, 2011, The University of Texas, Austin, Texas. (2011).

Forstner, M. R., Dickerson, B., 15th Annual Biology Student Colloquium, "Effects of urbanization and road densities on the populations of Trachemys scripta elegans in the Lower Rio Grande valley," April 3, 2010, Texas State University, San Marcos, TX. (2010).

Forstner, M. R., Brown, D.J., Devolld, B., 15th Annual Biology Student Colloquium, "Red-eared slider (Trachemys scripta elegans) hoop net escapes: size versus sex," April 3, 2010, Texas State University, San Marcos, TX. (2010).

Additional Comments: *Runner-up best student presentation (Graduate level)

Posters:

Bassett, L. G., Sirsi, S., Pandelis, G., Lowe, N., Lawing, D. B., Bullard, S., DiVito, J. V., Stoneham, M. A., Forstner, M. R., "Contemporary distribution of the Mediterranean gecko (Hemidactylus turcicus) in Texas.," Austin, TX. (October 2021).

Bassett, L. G., Nowlin, W. H., Foley III, D. H., Mali, I., Forstner, M. R., JMIH, "Diet of the Rio Grande Cooter (Pseudemys gorzugi) in San Felipe Creek, Texas.," Phoenix, AZ. (July 26, 2021).

Bassett, L. G., Nowlin, W. H., Foley III, D. H., Mali, I., Forstner, M. R., SWAN, "Diet of the Rio Grande Cooter (Pseudemys gorzugi) in San Felipe Creek, Texas. Dieta de La Tortuga del Río Grande (Pseudemys gorzugi) de un sitio fluvial en el oeste de Texas.," Huntsville, TX. (April 22, 2021).

Bassett, L. G., Zughaiyir, F. E.-H., Forstner, M. R., Texas State University International Research Conference for Graduate Students., "Distribution of the Mediterranean gecko (Hemidactylus turcicus) in Texas.," San Marcos, TX. (April 6, 2021).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Forstner, Michael R. Houston toad habitat improvement: Musgrave Property. Landowner Incentive Program, Texas Parks and Wildlife Department. (Funded: 2009 - Present). Grant.

Forstner, Michael R. Houston toad monitoring: Musgrave Property., Private / Foundation / Corporate, $30,000.00. (Funded: 2023 - 2037). Contract.

Forstner, Michael R. Endangered Species Act (ESA) compliance and avoidance monitoring during construction and maintenance operations, with monitoring for future projects., Texas Department of Transportation, State, $709,187.00. (Funded: September 2025 - August 2027). Contract.

Forstner, Michael R. Houston toad captive and wild population disease investigations I., Private / Foundation / Corporate. (Funded: 2020 - 2026). Gift.

Forstner, Michael R. Houston toad captive and wild population disease investigations II., Private / Foundation / Corporate. (Funded: 2020 - 2026). Gift.

Forstner, Michael R. Houston toad (Bufo houstonensis) haplotype assessment of wild juvenile bufonids., Private / Foundation / Corporate. (Funded: February 2019 - December 2026). Gift.

Forstner, Michael R. Houston toad population supplementation and wild population stewardship., Targa Resources Corp., Private / Foundation / Corporate. (Funded: February 2019 - December 2026). Gift.

Forstner, Michael R. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad during Fuel Reduction activities in Houston toad habitats, Bastrop County, Municipal, $198,699.00. (Funded: December 2025 - August 2026). Contract.

Forstner, Michael R. Endangered Species Act (ESA) compliance and avoidance monitoring during construction and maintenance operations, with monitoring for future projects., TXDOT, State, $709,485.00. (Funded: 2023 - 2025). Contract.

Forstner, Michael R. . Houston toad conservation stewardship and recovery research. Bastrop County Utilities HCP research fund, Utilities HCP fund, Private / Foundation / Corporate, $200,000.00. (Funded: 2023 - 2025). Gift.

Additional Comments: total includes the 50K TRIP match, not yet received

Mays, Stan (Principal), Jesudason, A. (Co-Principal), Forstner, Michael R (Co-Principal). Houston toad management and recovery. Recovery Challenge award, USFWS, Federal, $1,028,388.00. (Funded: October 2022 - December 2025). Contract.

Forstner, Michael R. Houston toad conservation stewardship and recovery research., Utilities HCP Foundation, State. (Funded: January 2018 - December 2025). Gift.

Forstner, Michael R. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements on critical infrastructure: Communications tower 2024 II, Motorola Corp, Private / Foundation / Corporate, $35,632.00. (Funded: January 2025 - May 2025). Contract.

Forstner, Michael R. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad during activities in Houston toad habitats near the Community Center., Bastrop County, Municipal, $95,275.00. (Funded: May 2022 - December 2023). Contract.

Forstner, Michael R. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad during Fuel Reduction activities in Houston toad habitats., FEMA, Federal, $130,412.00. (Funded: April 2022 - December 2023). Contract.

Forstner, Michael R. Endangered Species Act (ESA) compliance and avoidance monitoring during construction and maintenance operations, with monitoring for future projects., Federal, $640,775.00. (Funded: September 2021 - August 2023). Contract.

Forstner, Michael R. Houston toad monitoring and avoidance measures Bastrop County, Texas during infrastructure upgrades and construction., AT&T, Private / Foundation / Corporate, $117,590.00. (Funded: November 2022 - March 2023). Contract.

Forstner, Michael R. Prescribed Fire habitat recovery on the Griffith League Ranch 2021., Federal, $50,191.00. (Funded: May 2021 - December 2022). Contract.

Forstner, Michael R. USFWS Houston toad habitat restoration on the Griffith League Ranch., Land, Federal, $46,930.00. (Funded: May 2021 - August 2022). Contract.

Rodriguez, David (Principal), Fritts, Sarah Rebecah (Co-Principal), Forstner, Michael R (Co-Principal). Population monitoring and assessing disease risk in Concho water snake, Texas Parks and Wildlife Department, State, $196,620.00. (Submitted: 2019, Funded: February 2020 - August 2022). Grant.

Forstner, Michael R. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad Gotier Trace., Federal, $89,125.00. (Funded: May 2021 - January 2022). Contract.

Forstner, Michael R. Assessment of occupancy of the Rio Grande Cooter (Pseudemys gorzugi) within the Pecos River in New Mexico and Texas., NFWF, Private / Foundation / Corporate. (Funded: October 2019 - September 2021). Grant.

Forstner, Michael R. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements in the southern region for AT&T, Private / Foundation / Corporate. (Funded: 2017 - 2020). Grant.

Forstner, Michael R. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey: Multiple Task Orders, FEMA/NRCS/Bastrop County, Federal. (Funded: July 2019 - October 2020). Contract.

Forstner, Michael R. Monitoring, for compliance with Houston toad requirements in near real-time, Colorado County., Kinder Morgan, Private / Foundation / Corporate. (Funded: December 1, 2019 - August 31, 2020). Contract.

Hardy, Thomas (Principal), Percent Contribution: 50%, Forstner, Michael R (Co-Principal), Percent Contribution: 50%. Dunes Sagebrush Lizard, Texas Comptroller, State, $936,109.39. (Funded: November 11, 2016 - January 31, 2020). Grant.

Mali, Ivana, Forstner, Michael R. Phase III: Demography of Western River Cooter (Pseudemys gorzugi) population within the Black River Drainage., New Mexico Game and Fish Department, State. (Funded: February 2018 - December 2019). Grant.

Forstner, Michael R. Endangered Species Act (ESA) compliance and avoidance monitoring during construction and maintenance., TXDOT, State. (Funded: 2017 - 2019). Grant.

Forstner, Michael R. Reproductive Biology of the Rio Grande Cooter (Pseudemys gorzugi) in Texas., TPWD, State. (Funded: 2017 - 2019). Grant.

Serenari, Christopher (Principal), Daniel, Kristy Lynn (Co-Principal), Forstner, Michael R (Co-Principal). Investigating Factors Influencing Recruitment into the Houston Toad Safe Harbor Agreements, Texas Parks and Wildlife Department Wildlife Diversity Program Conservation License Plate Grant, State, $29,127.00. (Funded: October 2018 - August 2019). Grant.

Rodriguez, David (Principal), Forstner, Michael (Co-Principal). Comparing capture methods, examining genetic diversity, and assessing disease risk in an effective and efficient monitoring design for the conservation of Nerodia harteri, State and Tribal Wildlife Grants, Texas Parks and Wildlife, State, $99,565.00. (Submitted: March 2017, Funded: November 2017 - August 2019). Grant.

Forstner, Michael R (Principal), McCracken, Shawn F (Co-Principal), Valles Molina, Damian (Co-Principal). Houston Toad Recovery, Texas Parks & Wildlife Department, State, $125,881.00. (Funded: October 13, 2016 - August 31, 2019). Grant.

Forstner, Michael R. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements during recovery from hurricane Harvey., Bastrop County/FEMA, State. (Funded: April 2018 - March 2019). Grant.

Mali, Ivana, Forstner, Michael R. Phase II: Demography of Western River Cooter (Pseudemys gorzugi) population within the Black River Drainage., New Mexico Game and Fish Department, State. (Funded: 2017 - 2018). Grant.

Hardy, Thomas (Principal), Forstner, Michael R (Co-Principal), Jensen, Jennifer (Co-Principal). Evaluation of Texas Conservation Plan and Dunes Sagebrush Lizard, Texas Comptroller of Pulic Accounts, State, $1,495,010.06. (Funded: November 10, 2016 - December 31, 2018). Contract.

Forstner, Michael R. Houston toad occurrence among northern tier geologies with assessment of habitat north of known locations, Kiewitt Mining Group, Inc., Private / Foundation / Corporate. (Funded: 2016 - 2018). Gift.

McCracken, Shawn F, Forstner, Michael R. Houston Toad recovery: A comprehensive monitoring, evaluation, and support program for head-start success, USFWS/TPWD, Federal. (Funded: 2016 - 2018). Grant.

Forstner, Michael R. Monitoring of the Houston toad, Bastrop State Park., TPWD, State. (Funded: January 2018 - July 2018). Grant.

Forstner, Michael R. Biological monitoring for Houston toad and migratory bird nesting during fuel reduction operations on the Welsh Tract., Bastrop County, Federal. (Funded: 2017). Grant.

Forstner, Michael R. Federally permitted monitoring of Houston toad, Bastrop State Park., TPWD, Federal. (Funded: 2017). Grant.

Forstner, Michael R. Houston toad research and monitoring requirements during federal roadway (Piney Trail) creation for egress., Bastrop County, Federal. (Funded: 2017). Grant.

Mali, I, Forstner, Michael R. Assessment of Rio Grande River Cooter (Pseudemys gorzugi) populations within the southern Pecos River and tributaries in New Mexico, NM Game and Fish Dept, State. (Funded: 2016 - 2017). Grant.

Forstner, Michael R, McCracken, Shawn F. Bastrop County Hidden Pines fire recovery. Bastrop County, Bastrop County, State. (Funded: 2016). Grant.

Forstner, M (Principal), McCracken, Shawn (Co-Principal), Rodriguez, David (Co-Principal). Management of Houston toads during forest thinning and fuel management operations (renewal), Raven Environmental, Private / Foundation / Corporate. (Funded: 2016). Grant.

Lemke, David E (Co-Principal), Percent Contribution: 33%, Forstner, Michael R (Co-Principal), Percent Contribution: 33%, Hahn, Dittmar (Co-Principal), Percent Contribution: 33%. Vertebrates and vegetation along historic riparian corridors of Lone Man Creek, Hays County, Texas, EcoLab Program, Private / Foundation / Corporate, $70,000.00. (Funded: 2013 - 2015). Contract.

Forstner, Michael R, McCracken, S. Minimization and avoidance measures, monitoring, and autonomous audio surveys for the Houston toad. (Funded: March 15, 2015 - December 17, 2015). Grant.

Additional Comments: Benchmark Environmental

Forstner, Michael R, Hahn, D. Assessing connectivity and highway infrastructure permeability in the Houston toad, USFWS/TXDOT. (Funded: February 2011 - November 2015). Grant.

Forstner, Michael R, Tomasso, J., Hahn, D. Detection of density abundance, stress, and disease in the Jollyville Salamander. (Funded: February 2013 - August 2015). Grant.

Forstner, Michael R, Rahe, H., Hahn, D. Science based sustainable agriculture support at Texas State University. (Funded: February 2013 - August 2015). Grant.

Forstner, Michael R, Jones, M., Hahn, D. Testing habitat restoration options in the Houston toad (Bufo houstonensis) within the aftermath of the Bastrop County Complex Fire, USFWS/TPWD. (Funded: August 2012 - August 2015). Grant.

Forstner, M (Principal), Rodriguez, David (Co-Principal). Detecting occurrence of Houston toads in Robertson County with development of avoidance and minimization measures for energy industry exploration and production, Benchmark, Inc., Private / Foundation / Corporate, $499,896.00. (Submitted: 2013, Funded: 2014). Contract.

Rodriguez, David (Principal), Forstner, M (Co-Principal). Houston toad research and management during roadway recovery and restoration operations in response to the Bastrop Complex Fire of 2011, Bastrop County, Municipal, $150,000.00. (Submitted: 2013, Funded: 2014). Grant.

Green, Michael Clay (Co-Principal), Castro-Arellano, Ivan (Principal), Gaedicke, C. (Co-Principal), Forstner, Michael R (Co-Principal), Hahn, Dittmar (Co-Principal). Texas Department of Transportation. Contribution of bridge-dwelling birds to bacterial water quality impairments, Texas State University, $388,284.00. (Funded: 2012 - 2014). Grant.

Forstner, Michael R, Lemke, D., Hahn, D. Vertebrates and vegetation along historic riparian corridors of Lone Man Creek, Fowler Family. (Funded: January 2012 - December 2014). Grant.

Forstner, Michael R, Hahn, D., Lemke, D. Vertebrates and vegetation along historic riparian corridors of Lone Man Creek II, Pier Family. (Funded: January 2012 - December 2014). Grant.

Forstner, Michael R. Understanding and mitigating wildlife motorist interactions, TXDO. (Funded: January 14, 2014 - December 16, 2014). Grant.

Forstner, Michael R, Rodriguez, D., McCracken, S. Houston toad management and recovery options during roadway repair and fire restoration in Bastrop County. (Funded: January 14, 2014 - December 14, 2014). Grant.

Forstner, Michael R. Capacity Development for Systematic Monitoring and Integrated Science for the TLS, Mekong and 3S Rivers, Cambodia, Margaret A. Cargill Foundation. (Funded: January 2013 - September 2014). Grant.

Forstner, Michael R, Castro-Arellano, I., Gaedicke, C., Hahn, D. Contribution of bridge dwelling birds to bacterial water quality impairments, TXDOT. (Funded: September 2012 - August 2014). Grant.

Forstner, Michael R, McCracken, S., Rodriguez, D. Testing habitat recovery options for the Houston toad in Bastrop State Park, Bastrop, TX. (Funded: August 16, 2014). Grant.

Forstner, Michael R, McCracken, S., Rodriguez, D. 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. (Funded: January 14, 2014 - August 14, 2014). Grant.

Forstner, Michael R. Research seeking to enable Houston toad recovery from drought and catastrophic wildfire. (Funded: April 14, 2014). Grant.

Forstner, Michael R, Brown, D.J. Houston toad occupancy testing post-catastrophic wildfire, USFWS/TPWD. (Funded: March 14, 2014). Grant.

Forstner, Michael R. Houston toad management options during drainage restoration actions in Bastrop County. (Funded: March 2013 - February 2014). Grant.

Forstner, Michael R, Tomasso, J. Evaluation and minimization of Houston toad interactions during Federal Highways operations, Bastrop County, TX, TXDOT/Federal Highways Administration. (Funded: February 2012 - August 2013). Grant.

Forstner, Michael R, Wolfe, D. Forest Restoration and Enhancement in the Lost Pines Ecosystem with an Emphasis on Recovery of the Houston Toad, Cooperative Conservation Partnership Initiative, USDA. (Funded: July 2009 - August 2013). Grant.

Forstner, Michael R, Venumbaka, R., Hahn, D. Detecting occurrence of Houston toads in Colorado County with development of avoidance and minimization measures for pipeline operations, Inergy, Inc. (Funded: March 2013 - June 2013). Grant.

Forstner, Michael R. Fine scale effects of prescribed fire on the Lost Pines ecosystem, USFWS/TPWD. (Funded: January 2010 - December 2012). Grant.

Forstner, Michael R, Crump, P., Hahn, D. Population supplementation: a proven means toward endangered species recovery for the Houston toad, USFWS/TPWD. (Funded: September 2010 - August 2012). Grant.

Forstner, Michael R. Houston toad (Bufo houstonensis) response to habitat recovery efforts, Bastrop State Park, Bastrop, Texas, TPWD. (Funded: 2011). Grant.

Forstner, Michael R, Wolfe, D., Snyder, M., Hahn, D. 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. (Funded: January 2008 - December 2011). Grant.

Forstner, Michael R. Landscape scale fire ant management effects on arthropod diversity within Houston toad habitat, USFWS/TXDOT. (Funded: June 2006 - November 2011). Grant.

Forstner, Michael R. Houston toad habitat: effects of modifications on highway underpasses on vertebrate travel and mortality, USFWS/TXDOT. (Funded: January 2006 - November 2011). Grant.

Forstner, Michael R, Riger, P., Crump, P. Houston toad (Bufo houstonensis) head-starting program, Mohamed bin Zayed Species Conservation Fund. (Funded: July 2009 - December 2010). Grant.

Forstner, Michael R, Mahato, N. Red Panda habitat suitability in Nepal from GIS analysis of the environmental correlates of known detection observations. (Funded: January 2010 - March 2010). Grant.

Forstner, Michael R, Nava, P., Wolfe, D., Gaston, M. Houston toad habitat improvement: Nava Property. Landowner Incentive Program, Texas Parks and Wildlife Department. (Funded: 2009). Grant.

Forstner, Michael R, Rust, D., Wolfe, D., Gaston, M. Houston toad habitat improvement: Rust Property. Landowner Incentive Program, Texas Parks and Wildlife Department. (Funded: 2009). Grant.

Forstner, Michael R. Gharial recovery planning and critical needs assessment, Batchelor Foundation. (Funded: December 2008 - December 2009). Grant.

Forstner, Michael R, Hahn, D. Recovery of species imminently threatened by extinction: the Houston toad, USFWS. (Funded: February 2008 - December 2009). Grant.

Forstner, Michael R, Hudson, R., Hahn, D., Chumchal, M., Drenner, R., Rainwater, T. Freshwater turtle trends in the Rio Grande/Rio Bravo and

Brazos basin evaluating abundance and bioaccumulation, USDA/TPWD. (Funded: October 2007 - December 2009). Grant.

Forstner, Michael R. Habitat and herpetology of South Shore Woods, Pines and Prairies Land Trust. (Funded: March 2006 - December 2009). Grant.

Forstner, Michael R, Krejca, J. Biological inventory and monitoring at Jacobs Well, Coypu Foundation Trust/Texas River Systems Institute. (Funded: December 2008 - August 2009). Grant.

Forstner, Michael R, Adnan, A.M., Ariffin, K.T., Harmin, S.A., Ishak, I., Lah, R.N., Lian, W.K., Mohamed, R., Nor, S.A.M., Othman, A.S. Asian Sea bass Genomics and Genetics. TOP-DOWN Biotechnology project, National Biotechnology Division. (Funded: January 2007 - August 2009). Grant.

Forstner, Michael R. Houston toad metapopulation assessment and genetics: recovery strategies in a widely fragmented landscape, USFWS/TPWD. (Funded: September 2006 - August 2009). Grant.

Forstner, Michael R, Jackson, J., Dixon, J.R. Monitoring of Big Bend slider populations using mark-recapture in Big Bend National Park, NPS. (Funded: June 2008 - December 2008). Grant.

Forstner, Michael R, Green, M.C., Fonstad, M. GIS model assessment of the Houston toad for areas of scheduled bridge replacements, TXDOT. (Funded: January 2008 - December 2008). Grant.

Forstner, Michael R, Hahn, D. Chytrid fungus risks to Central Texas endangered amphibians, Texas State University REP program. (Funded: January 2007 - December 2008). Grant.

Forstner, Michael R. Conservation of the Houston toad on private lands in Bastrop County, Texas, Environmental Defense/National Fish and Wildlife Foundation. (Funded: July 2005 - December 2006). Grant.

Forstner, Michael R, Dixon, J.R. 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. (Funded: April 2005 - December 2006). Grant.

Forstner, Michael R. Population structure of the captive population of Heloderma horridum, ASDM. (Funded: September 2003 - December 2006). Grant.

Forstner, Michael R, Nice, C., Hahn, D. Integrating genomics CE laboratory hardware and fluidics automation within undergraduate and graduate coursework in the Department of Biology, Beckman-Coulter, Inc. (Funded: March 2005 - November 2006). Grant.

Forstner, Michael R. Management of Houston toads on Private lands, Environmental Defense, Plateau Environmental, Mark Daniels. (Funded: January 2004 - August 2006). Grant.

Forstner, Michael R. Habitat management options for Houston toads on livestock ranches, USFWS/TPWD/Environmental Defense. (Funded: October 2003 - August 2006). Grant.

Forstner, Michael R, Simpson, T. R. Prescribed fire in the Lost Pines: Effects on small mammal fauna of Bastrop State Park, Texas Parks and Wildlife Department. (Funded: May 2005 - June 2006). Grant.

Forstner, Michael R. Multiple life-stage tracking of the Houston toad (Bufo houstonensis) using active and passive methodologies, USFWS/USGS. (Funded: March 2003 - June 2005). Grant.

Forstner, Michael R. Tadpole DNA Analysis 2004, Loomis Austin, Inc. (Funded: May 2004 - December 2004). Grant.

Forstner, Michael R. 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. (Funded: April 2003 - August 2004). Grant.

Forstner, Michael R. Genetics of a putative Houston toad hybrid zone, ALCOA. (Funded: June 2002 - May 2004). Grant.

Forstner, Michael R, Baccus, J. Houston toad life history and genetics, USFWS/TPWD/BSA. (Funded: January 2002 - December 2003). Grant.

Forstner, Michael R. Baseline assessments in conservation: the Houston toad in Bastrop County, Bastrop County/EPA. (Funded: September 2002 - September 2003). Grant.

Forstner, Michael R. Genetic analyses of unknown tadpoles, ALCOA. (Funded: May 2001 - June 2002). Grant.

Forstner, Michael R. Habitat use by the Houston toad, ALCOA. (Funded: March 2001 - March 2002). Grant.

Forstner, Michael R, Pastorini, J. Population genetics of Ringtailed lemurs, A.H. Schultz Foundation. (Funded: January 2001 - December 2001). Grant.

Forstner, Michael R, Pastorini, J. Population genetics of Mongoose lemurs, Julius Klaus Foundation. (Funded: November 2000 - December 2001). Grant.

Forstner, Michael R, Melnick, D., Morales, J.C. Population genetics, molecular systematics, and the evolution and conservation of Asian macaques and Leaf monkeys, NSF Physical Anthropology Panel. (Funded: August 1997 - July 2001). Grant.

Forstner, Michael R, Pastorini, J. Genetic marker development for endangered lemurs. (Funded: November 2000 - January 2001). Grant.

Forstner, Michael R. DNA sequence identification of Bufo tadpoles including those of the endangered Houston toad (Bufo houstonensis), ALCOA. (Funded: March 2000 - December 2000). Grant.

Forstner, Michael R, Mealey, B.K. Conservation genetics of Malaclemys in Texas and Florida. Species at Risk Program of the USGS. (Funded: June 1998 - December 1999). Grant.

Forstner, Michael R, Davis, S.K. Population status and genetic variation in U.S. populations of the Big Bend slider (Trachemys gaigeae), Species at Risk Program. (Funded: June 1997 - December 1998). Grant.

Forstner, Michael R, Davis, S.K. Phylogenetic analysis of the snake family Boidae using mtDNA sequence data, NSF Dissertation Improvement Grant. (Funded: January 1993 - January 1995). Grant.

2. Submitted, but not Funded, External Grants and Contracts:

Fritts, Sarah R (Principal), Percent Contribution: 70%, Rodriguez, David (Principal), Percent Contribution: 30%, Forstner, Michael (Co-Principal), Percent Contribution: 0%. Post-delisting monitoring of the Concho watersnake (Nerodia paucimaculata), Texas Parks and Wildlife, State, $125,089.00. (Submitted: November 17, 2017). Grant.

Forstner, Michael R, McCracken, S.M., Rodriguez, D., Hahn, D. Habitat suitability, geographic distribution, and population status of the Black-spotted Newt (Notophthalmus meridionalis), USFWS/TPWD, $122,511.00. (Funded: September 2015 - August 2017). Grant.

Forstner, Michael R (Principal), Foley, Dan H (Co-Principal), Jackson, Jake (Co-Principal), McCracken, Shawn F (Co-Principal), Dutton, Jessica (Co-Principal). Systematic species assessment for the Rio Grande cooter (Pseudemys gorzugi) in Texas, Texas Office of the Comptroller, State, $1,207,378.00. (Submitted: February 2016). Grant.

Forstner, Michael R (Principal), Simpson, Thomas Randolph (Co-Principal), Weigum, Shannon E (Co-Principal), Veech, J (Co-Principal), Gabor, C (Co-Principal), Huston, M (Co-Principal), Weckerly, B (Co-Principal), Hahn, D (Co-Principal), Foley, D (Co-Principal), Dixon, J (Co-Principal). Effects on the South Texas Herpetofauna from the Oil and Gas Industry, Texas Parks and Wildlife, State, $337,456.00. (Submitted: March 2012). Grant.

Additional Comments: Texas Parks and Wildlife

3. Funded Internal Grants and Contracts:

Forstner, Michael R. 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, Private / Foundation / Corporate, $643,036.00. (Funded: March 2024 - March 2028). Contract.

Forstner, Michael R. . Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements on critical infrastructure: Communications tower 2024., Motorala/MCA, Private / Foundation / Corporate, $75,818.00. (Funded: August 2024 - January 2024). Contract.

Forstner, Michael R. Bastrop Complex Fire recovery funding addressing research infrastructure in Bastrop County. (Funded: November 2011 - August 2012). Grant.

Additional Comments: Office of the Vice President for Research, Research Opportunities Award, Texas State University

Forstner, Michael R. Leveraging critical genomics hardware into future research success at Texas State University. (Funded: January 2010 - December 2010). Grant.

Additional Comments: Texas State University, Associate Vice President for Research, Presidential initiative fund

Forstner, Michael R, Garcia, D. M. Phylogenetic analyses of the alpha-actinins and sequence characterization of novel isoforms, SWT-REP Program. (Funded: January 2001 - December 2001). Grant.

Forstner, Michael R (Principal), Garcia, Dana M (Co-Principal). Research Enhancement Program Grant. Phylogenetic Characterization of Alpha-

Actinin, Texas State University, Texas State University, $15,990.00. (Funded: 2001). Grant.

Forstner, Michael R. Population genetics of the turtle, Malaclemys terrapin, in Florida. Florida Atlantic University Research Council. (Funded: January 1998 - January 1999). Grant.

Forstner, Michael R. International Travel Award. University Research Council, FAU. (Funded: April 1998). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Award / Honor Recipient: University Distinguished Professor, Texas State University, San Marcos, TX & the Texas State University System.
2013 - Present

Award / Honor Recipient: Endowed Chair of Genetics (Alexander-Stone Chair).
2008 - 2014

Award / Honor Recipient: Presidential Developmental Leave supplemental award.
2010 - 2011

Award / Honor Recipient: Professor of International Studies.
2008 - 2011

Award / Honor Recipient: Presidential Award for Excellence in Scholarly/Creative Activities (Associate/Full Professor level), Texas State University, San Marcos, TX.
2010

Award / Honor Recipient.
2009

Award / Honor Recipient: Biography published in Marquis Who's Who.
2008 - 2009

Award / Honor Recipient: Biography published in Who's who among American teachers and educators.
2007

Award / Honor Recipient: Presidential Award for Excellence in Scholarly/Creative Activities (Associate/Full Professor level), Texas State University.
2006

Award / Honor Recipient: SWTSU Presidential Award for Excellence in Scholarly/Creative Activities (Assistant Professor level), Southwest Texas State University.
2001

E. Scholarly / Creative Professional Development Activities Attended:

Workshop, "Successful Research in Academia, International Faculty Forum, 5th Annual International Research Conference for Graduate Students," Texas State University, San Marcos, TX. (2013).

Workshop, "Gharial species recovery, Conservation Genetics and monitoring," Gharial Survival Alliance, Delhi, India. (2011).

"Inaugural Panel Session, National Phenology Network, Animal Phenology program," NatureServe and the National Science Foundation. (June 16, 2009 - June 19, 2009).

"Advanced Phylogenetic Analyses: from markers to genes," Malaysia Genome Institute, University of Malaysia, Kebangsaan. (December 3, 2007 - December 7, 2007).

Workshop, "IUCN Asian turtle workshop: Developing Conservation Strategies through captive management," Ft. Worth Zoo, Ft. Worth Texas, USA. (January 2001).

"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. (1999).

IV. SERVICE

A. Institutional

1. University:

Member, University Ambassadors Council: Department of Biology Representative. (2006 - Present).

Texas State Vivarium proposal committee. (2009 - 2011).

Freeman Ranch Advisory Board. (2004 - 2011).

Academic Computing Committee. (2008 - 2010).

Chair, IACUC. (2004 - 2010).

Mitte Chair in Water Search Committee member. (2007).

Member, Presidential Award (Scholarship). (2006 - 2007).

Member, Presidential award (Scholarship). (2001 - 2002).

Member, Presidential award (Scholarship). (2001 - 2002).

3. Department/School:

Chair, Space Committee. (August 2012 - Present).

Member, Graduate Committee. (2001 - Present).

Aquarena Building Management Committee. (2008 - 2010).

Norris Award committee. (2005 - 2010).

Chair, Space committee. (2007 - 2008).

Chair, Land and Properties Use Committee. (2004 - 2008).

Member, Mitte Chair development committee. (2004 - 2006).

Annual Review committee (Scholarship). (2004 - 2005).

Member, Academic Program review committee. (2004 - 2005).

Member, Tenure/promotion/continuance committee. (2004 - 2005).

Safety committee. (2001 - 2005).

Planning committee. (2002 - 2004).

B. Professional:

Member, Bastrop County Environmental Recovery and Rehabilitation Team, TX. (2011 - Present).

Member, Houston toad habitat delivery team, TX. (2010 - Present).

Member, Lost Pines Habitat Conservation Plan, Biological Advisory team, TX. (2009 - Present).

Member, Houston toad Recovery team member, TX. (2001 - Present).

Member, Board of Scientists, Chihuahuan Desert Research Council, TX. (1999 - Present).

Member, Education and Outreach Committee: Houston toad, Austin, TX. (December 2021 - August 2025).

Member, Genetic and wildlife research capacity in Cambodia, Cambodia. (2014 - 2016).

IUCN Turtle Survival Alliance founding partner. (2001 - 2008).

IUCN/TSA/SSC TMG Chair (Erymnochelys madagascariensis). (2005 - 2007).

President-Texas Herpetological Society. (2005 - 2006).

President Elect-Texas Herpetological Society. (2004 - 2005).

IUCN/TSA/SSC TMG co-Chair (Erymnochelys madagascariensis). (2003 - 2005).

IUCN/TSA/SSC TMG Chair (Heosemys grandis). (2001 - 2005).

Vice President- Texas Herpetological Society. (2003 - 2004).

IUCN/TSA/SSC Scientific advisor. (2002 - 2004).

C. Community:

Professional Advisor, Town Lake Animal Shelter, Austin. (2001 - Present).

Scientific Review Board, Miami Museum of Science. (1999 - 2003).

Houston toad Biological Advisory council. (2000 - 2002).

D. Organization Memberships:

Southwestern Association of Naturalists. (January 1, 2005 - Present).

Society for the Study of Amphibians and Reptiles. (January 1, 1998 - Present).

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

Forstner, Michael R, Schwalb, A, Rodriguez, D, Hardy, T. Evaluating the Effectiveness of Freshwater Mussel Mitigation Strategies. (Funded: September 15, 2015 - September 18, 2015). Grant.

Forstner, Michael R, Bonner, T, Schwalb, A, McCracken, S M. Detection and habitat assessments for endangered aquatic species in Texas II. (Funded: June 15, 2015 - August 17, 2015). Grant.

Forstner, Michael R, McCracken, S M. Minimization and avoidance measures and best management practices, with monitoring, for compliance with Houston toad requirements. (Funded: May 15, 2015 - August 17, 2015). Grant.

Forstner, Michael R. Evaluation of fuel reduction treatments for healthy communities and forests in the Lost Pines of Texas. (Funded: April 15, 2015 - May 17, 2015). Grant.

Additional Comments: Bastrop County

Forstner, Michael R. Houston toad management during recovery and rebuilding activities for homesites in the Bastrop Complex Fire zone. (Funded: June 2013 - May 2014). Grant.