

Michael L. Treglia

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Education:

Doctoral Candidate, Texas A&M University, Advised by Dr. Lee Fitzgerald (Anticipated Graduation: August 2014)

Research focus is on Landscape Ecology, Distribution Modeling, and Conservation of the endangered Arroyo Toad, *Anaxyrus californicus*.

Masters of Science, Texas A&M University, Advised by Dr. Lee Fitzgerald (August 2010)

Thesis Title: *A Translocated Population of the St. Croix Ground Lizard: Analyzing its Detection Probability and Investigating its Impacts on the Local Prey Base*

Bachelors of Science in Natural Resources, Cornell University (May 2007)

Teaching and Research Experience:

- Tom Slick Doctoral Fellow at Texas A&M University (2013-2014)
- Volunteer and Collaborator with researchers at the U.S. Geological Survey, Western Ecological Research Center, San Diego, CA (Summer 2011-Present)
- Teaching Assistant for “Herpetology” (WFSC 315) at Texas A&M (Spring 2013)
- Teaching Assistant for “Nat. Hist. of Vertebrates” (WFSC 302) at Texas A&M (Fall 2012)
- Doctoral student in NSF-funded Applied Biodiversity Science IGERT Program at Texas A&M (Fall 2010-Present)
- Teaching Assistant for “Herpetology” (WFSC 315) at Texas A&M (Spring 2010)
- Teaching Assistant for “Fundamentals of Ecology” (RENr 215) at Texas A&M (Spring 2009)
- Teaching Assistant for “Nat. Hist. of Invertebrates” (WFSC 335) at Texas A&M (Fall 2008)
- Teaching Assistant for “Nat. Hist. of Vertebrates” (WFSC 302) at Texas A&M (Fall 2007)
- Research Technician for Dr. Stephen Morreale, Dept. of Natural Resources, Cornell University (Summer 2007)
- Lab Assistant for Dr. Harry Greene, Dept. of Ecology and Evolutionary Biology, Cornell University (Fall 2005-Summer 2007)
- Intern in NSF-Funded Research Experience for Undergraduates, advised by Dr. Robert Powell, Avila University (Summer 2006)
- Urban Park Ranger for New York City Department of Parks and Recreation (Summer 2005)
- Research Assistant for Dr. Stephen J. Morreale, Dept. of Natural Resources, Cornell University (Spring 2005)
- Intern in Herpetology Department of Staten Island Zoo (2002-2004)
- Intern at the American Museum of Natural History (2002-2004)

Publications and Reports:

- Fitzgerald, L.A., **M.L. Treglia**, N. Angeli, T.J. Hibbitts, D.J. Leavitt, A.L. Subalusky, I. Lundgren, Z. Hillis-Starr. *In review*. Correlates to successful establishment of a new population of the critically endangered St. Croix Ground Lizard (Teiidae: *Ameiva polops*). Submitted to *Animal Conservation*.
- Treglia, M.L.**, J. Valiulis, D. J. Leavitt, and L.A. Fitzgerald. *In press*. Establishment of the Puerto Rican Ground Lizard (*Ameiva exsul*: Teiidae), on St. Croix, U.S. Virgin Islands: a threat to native fauna. *Caribbean Journal of Science* 47(2-3).
- Treglia, M.L.** and L.A. Fitzgerald. 2011. Translocation of the St. Croix ground lizard to Buck Island Reef National Monument, St. Croix, U.S. Virgin Islands. Pp. 109-115. In: Soorae P.S. (ed.) (2011). *Global Re-introduction Perspectives: 2011. More case studies from around the globe*. Gland, Switzerland: IUCN/SSC Re-introduction Specialist Group and Abu Dhabi, UAE: Environment Agency-Abu Dhabi. Xiv +250 pp.
- Treglia, M. L.** and L. A. Fitzgerald. 2010. The translocation of the St. Croix ground lizard, *Ameiva polops*, to Buck Island Reef National Monument. Final Report to the National Park Service and U.S. Fish and Wildlife Service and Virgin Islands Department of Planning and Natural Resources.
- Treglia, M. L.** and L. A. Fitzgerald. 2010. Population estimation of the St. Croix ground lizard, *Ameiva polops*, on Protestant Cay and Ruth Cay, St. Croix, United States Virgin Islands. Final Report to the United States Fish and Wildlife Service (Cooperative Agreement 401917J125).
- Treglia, M.L.**, O. Ramirez. 2009. *Nerodia rhombifer*. Geographic distribution. *Herpetological Review* 40(2):238.
- Treglia, M.L.** 2008. Kraig Adler: A lifetime promoting herpetology. *Iguana*. 15(4):234–237.
- Treglia, M.L.**, A.J. Muensch, R. Powell, and J.S. Parmerlee, Jr. 2008. An invasive anole: *Anolis sagrei* on St. Vincent and its potential impact on native anoles. *Caribbean Journal of Science* 44(2):251–256.
- Henderson, R.W., **M.L. Treglia**, and S.D. Powell. 2007. *Corallus cookii*. Foraging. *Herpetological Review* 38(4):466
- Powell, S. D., **M. L. Treglia**, R. W. Henderson, and R. Powell. 2007. Treeboas in the West Indies: responses of *Corallus cookii* and *C. grenadensis* to disturbed habitats. In: R. W. Henderson and R. Powell (eds.). *Biology of the Boas and Pythons*. Eagle Mountain Publ., Eagle Mountain, Utah.
- Treglia, M.L.** 2006. An annotated checklist of the amphibians and reptiles of St. Vincent, West Indies. *Iguana* 13: 252–263.

Oral Presentations (* indicates invited presentation):

- Treglia, M.L.** and R.N. Fisher. 15 April 2013. *Integrating Historic and Current Distribution Models of an Endangered Species to Benefit Conservation*. U.S. Chapter of the International Association of Landscape Ecology, Austin, TX.
- *Treglia, M.L.** 28 February 2013. Conservation of the endangered St. Croix Ground Lizard. Guest Lecture to group, Aggies for the Protection of Endangered Species at Texas A&M University.
- *Treglia, M.L.** 20 March 2012. *Recreation Impacts on Wildlife*. Guest Lecture for Course, “Recreation Management of Wildlands,” RPTS 316. Texas A&M University.

- *Treglia, M.L.** 28 July 2011. *Manifold GIS: Exploring the Capabilities of an Alternative GIS Package*. U.S. Geological Survey, Western Ecological Research Center, San Diego, CA.
- Treglia, M.L.** 26 March 2011. *Anthropogenic Development and Amphibians in an Arid Landscape and Potential Solutions*. 12th Annual Ecological Integration Symposium, Texas A&M University.
- *Treglia, M.L.** 9 December 2010. *Introduction to Manifold GIS*. Spatial Sciences Laboratory, Texas A&M University.
- Treglia, M.L.** and L.A. Fitzgerald. 4 August 2010. *Effects of an Insular Lizard Translocation on the Local Invertebrate Assemblage*. 95th Annual Ecological Society of America Meeting, Pittsburgh, PA.
- Treglia, M.L.** and L.A. Fitzgerald. 27 March 2010. *Impacts of a Translocated Lizard on an Island Arthropod Assemblage*. 11th Annual Ecological Integration Symposium, Texas A&M University.
- Treglia, M.L.** and L.A. Fitzgerald. 24 April 2009. *Effects of Detectability on Lizard Population Estimates*. Southwestern Association of Naturalists Annual Meeting, Monterrey, Nuevo Leon, MX.
- Treglia, M.L.** 31 October 2008. *Problems of Detecting the St. Croix Ground Lizard (Ameiva polops) and Implications for Population Estimates and Management*. Brown Bag Seminar Series, Department of Wildlife and Fisheries Sciences, Texas A&M University.
- Treglia, M.L.** 29 March 2008. *The Translocation of an Extirpated Lizard in the Caribbean: A Proposal Talk*. Student Research Week/9th Annual Ecological Integration Symposium, Texas A&M University.
- Treglia, M.L.,** A.J. Muensch, R. Powell, J.S. Parmerlee, Jr. 29 March 2008. *An Invasive Anole: Anolis sagrei on St. Vincent and its Potential Impact on Native Anoles*. 9th Annual Ecological Integration Symposium, Texas A&M University.
- *Treglia, M.L.** 4 September 2006. *Research in Paradise: A Research Experience for Undergraduates in the West Indies*. Cornell Herpetological Society.

Poster Presentations:

- Treglia, M.L.** and A.C. Landon. 10–12 October 2012. *Integrative Research for Biodiversity Conservation and Water Resource Management*. Student Conference on Conservation Science New York. New York, NY.
- Treglia, M.L.** and R.N. Fisher. 8-14 August 2012. *Presence-Only Modeling to Understand the Historic Distribution of an Endangered Toad*. 7th World Congress of Herpetology. Vancouver, BC, Canada
- Treglia, M.L.** 3–6 May 2011. *Conserving an Endangered Toad in a Dynamic Landscape*. 1st Annual NSF-IGERT Competition. Online at: <http://www.igert.org/posters2011/posters/94>
- Treglia, M.L.** 6 March 2009. *Effects of Detectability on Population Estimates of the Ground-Dwelling Lizard, Ameiva polops*. 10th Annual Ecological Integration Symposium, Texas A&M University. College Station, TX.

Extracurricular Service:

- Reviewer for the following journals: *Ecological Modeling* (2013); *Herpetologica* (2013); *Herpetological Conservation and Biology* (2013); *Journal of Applied Ecology* (2012-2013); *Herpetological Review* (2012); *Biological Invasions* (2012); *Journal of Biogeography* (2008); *Applied Herpetology* (2007)
- Co-Organizer/Web Designer for Texas A&M Ecological Integration Symposium (2011-2012)
- Treasurer of Association of Graduate Wildlife and Fisheries Scientists (2010-2011)
- President of Association of Graduate Wildlife and Fisheries Students (2009-2010)
- Website Designer for Texas A&M Ecological Integration Symposium (2009-2010)
- Judge for Texas A&M Student Research Week (2009-2010)
- Mentor for Undergraduate Research Group (*Directed by Dr. Lee A. Fitzgerald- Spring 2008*)
- Co-President of Cornell Herpetological Society (*Fall 2006-Spring 2007*)
- Treasurer of Cornell Herpetological Society (*Fall 2005-Spring 2006*)
- Docent at the Staten Island Zoo (2004-2006)
- Cornell Raptor Program Volunteer (*Fall 2005-Spring 2006*)

Fellowships and Awards:

- Texas A&M - Tom Slick Doctoral Dissertation Fellowship, \$25,000 (2013-2014)
- Mensa Foundation - Sylvia Scholarship, \$600 (2013)
- Herpetologists' League - E.E. Williams Research Grant for Conservation, \$1000 (2013)
- Texas A&M - EEB Travel Award for US-IALE Meeting, \$675 (2013)
- Texas A&M - Willie May Harris Fellowship, \$12,000 (2013)
- Texas A&M - EEB Travel Award for 7th World Congress of Herpetology, \$700 (2012)
- NSF-IGERT Traineeship for Applied Biodiversity Sciences Program at Texas A&M (*Started the PhD Program in Fall 2010*)
- Outstanding Masters Student Award, Department of Wildlife and Fisheries Sciences (2009)
- Student Research Week 2nd Place for Talk: "An Invasive Anole: *Anolis sagrei* on St. Vincent and its Potential Impact on Native Anoles," \$150 (2008)
- Student Research Week 3rd Place for Talk: "The Translocation of an Extirpated Lizard in the Caribbean: A Proposal Talk" (2008)
- Texas A&M - Regents' Graduate Fellowship, \$15,000 (2007-2008)
- Cornell - Recipient of Ullman Scholarship (*Spring 2007*)
- Cornell - Recipient of Arthur H. and Karin A. Nelson Scholarship (*Fall 2005*)