

MARGARET S. GUNZBURGER

United States Geological Survey
Florida Integrated Science Center, Center for Aquatic Resource Studies
7920 NW 71st St.
Gainesville, Florida 32653
(352) 378-8181
margaret_gunzburger@usgs.gov

EDUCATION

- 2004: PhD; Department of Biological Science, Florida State University; Tallahassee, Florida
- 2000: Highlands Biological Station, Western Carolina University; Highlands, North Carolina, summer session
- 1997: Bachelor of Science; Department of Zoology and Wildlife Science, Auburn University; Auburn, Alabama; major: Marine Biology
- 1997: Oregon Institute of Marine Biology, University of Oregon; Charleston, Oregon, summer session

PROFESSIONAL EXPERIENCE

- 2004: Wildlife Biologist, United States Geological Survey, Gainesville, Florida
Directed the Southeast division of the Amphibian Research and Monitoring Initiative, including supervising technicians, conducting field and laboratory research, writing reports, and organizing public outreach efforts
- 2000-2004: Graduate Research Assistant, Florida State University Department of Biological Science, Tallahassee, Florida
Participated in field surveys of wetland habitats to evaluate species diversity; conducted experiments evaluating predation pressure and refuge use of the fish *Heterandria formosa*. Managed datasets for this project; participated in data analysis and manuscript preparation; managed a laboratory breeding stock of fish; trained and supervised undergraduate lab technicians.
- 2003: Research Technician, United States Geological Survey, North American Amphibian Monitoring Program, USGS Patuxent Wildlife Research Center Laurel, Maryland
Evaluated species composition and sound quality of a library of digital sound files of anuran vocalizations for use as a training and testing tool for amphibian monitoring volunteers.
- 1998-2002: Graduate Teaching Assistant, Florida State University Department of Biological Science, Tallahassee, Florida
Taught Ecology, Animal Diversity Lab and Introductory Biology Lab, presented weekly lab lectures, prepared and graded lab and lecture exams, and supervised field trips.
- 2002: Saturday-at-the-Sea Instructor, Florida State University Office of Science

- Teaching Activities, Tallahassee, Florida
Led groups of middle and high school students on field trips to the FSU Marine Lab to conduct lab and field observations of marine biodiversity.
- 1998: Research Technician, Ichauway/Joseph W. Jones Ecological Research Center, Newton, Georgia
Interpreted and entered a data set for a study of gopher tortoise behavior, conducted field research projects on tortoise ecology.
- 1998: Teaching Assistant, Auburn University Department of Zoology and Wildlife Science, Auburn, Alabama
Taught the lab portion of Invertebrate Zoology course including weekly lab lectures, grading lab exams, and supervising field trips.
- 1997-1998: Substitute Teacher, Auburn City Schools, Auburn, Alabama
Taught elementary through high school courses, including high school math and science.
- 1997: Undergraduate Research Assistant, Auburn University, Red Hills Salamander Project, Auburn, Alabama
Duties included conducting surveys of the study site in order to determine patterns of salamander activity, analyzing data and preparing the results for publication.
- 1996-1998: Assistant Curator, Auburn University Museum of Herpetology and Paleontology, Auburn, Alabama
Responsibilities included live animal care and maintenance of preserved specimens.

PUBLICATIONS

Research Papers

- Gunzburger, M. S. and J. Travis. 2004. Evaluating predation pressure on green treefrog larvae across a habitat gradient. *Oecologia* 140: 422-429.
- Aresco, M. J. and M. S. Gunzburger. 2004. Effects of large-scale sediment removal on herpetofauna in Florida wetlands. *Journal of Herpetology* 38: 115-119.
- Gunzburger, M. S. 2003. Evaluation of the hatching trigger and larval ecology of the salamander *Amphiuma means*. *Herpetologica* 59: 461-470.
- Gunzburger, M. S. 1999. Diet of the Red Hills salamander *Phaeognathus hubrichti*. *Copeia* 1999: 523-525.
- Gunzburger, M. S. and C. Guyer. 1998. Longevity and abandonment of burrows used by the Red Hills salamander (*Phaeognathus hubrichti*). *Journal of Herpetology* 32: 620-623.

Research Notes, Magazine Articles, Book Chapter

- Aresco, M. J., M. A. Ewert, M. S. Gunzburger, P. A. Meylan, and G. W. Heinrich. 2004. Snapping turtle, *Chelydra serpentina*. In: Conservation Biology of Florida Turtles, P. A. Meylan, A. G. J. Rhodin, and P. C. H. Pritchard (eds.). Chelonian Research Foundation, Lunenburg, MA. In press.

- Aresco, M. J., J. Birdsley, R. C. Fuller, M. S. Gunzburger, and J. Travis. 2003. *Pseudemys concinna concinna* (Eastern river cooter). Geographic distribution. *Herpetological Review* 34: 261.
- Gunzburger, M. S. 2003 Summer treefrogs of Florida. *Florida Wildlife* 57: 20-21.
- Aresco, M. J., M. S. Gunzburger, and J. Travis. 2002. *Apalone ferox* (Florida softshell), Geographic Distribution. *Herpetological Review* 33: 320.
- Gunzburger, M. S. 2001. Mysterious salamanders of the mud. *Florida Wildlife* 55: 22-24.

HONORS

- Student Travel Award to attend the National Meeting, \$200, Society for the Study of Amphibians and Reptiles, 2002
- Student Travel Award to attend the National Meeting, \$200, American Society of Ichthyologists and Herpetologists, 2002
- Dissertation Research Grant, \$500, Florida State University, 2002
- Short Scholarship in Zoology, \$750, Department of Biological Sciences, Florida State University, 2000
- Dean's Medal for Outstanding Senior, Department of Zoology and Wildlife Science, College of Science and Mathematics, Auburn University 1997
- Lambda Sigma National Sophomore Honor Society, Auburn University, 1995-1996
- National Science Scholars Program scholarship, National Science Foundation, 1994-1996
- Dudley Academic Scholarship, Auburn University, 1994-1995

SERVICE

- Served as a peer reviewer for *Oecologia*, *Ecology*, *Journal of Herpetology*, and *Conservation Biology*, 2002-2004.
- Public Presentations about Reptiles and Amphibians of Florida, 1998-2004.
Presented information on reptiles and amphibians of Florida, including a slide show and live reptiles and amphibians, to organizations including Florida State Parks personnel, school groups, civic organizations, and local garden centers.
- Founding Member and Secretary/Treasurer, Lake Jackson Ecopassage Alliance, 2002-2004.
- Volunteer Judge for the Capitol Regional Science & Engineering Fair, Tallahassee, Florida, 1999-2004.
- Consultant for documentaries and news media about amphibians for Alabama Public Television, Granada Media, and Tallahassee Democrat newspaper, 1996-2004.

PROFESSIONAL AFFILIATIONS

- Society for the Study of Amphibians and Reptiles
- American Society of Ichthyologists and Herpetologists
- The Herpetologist's League, Inc.

Society for Conservation Biology
 Ecological Society of America
 Graduate Women in Science

RESEARCH PRESENTATIONS

- Gunzburger, M. S. 2004. The role of tadpole predation in the habitat distribution of *Hyla cinerea*, *Hyla gratiosa*, and their hybrids. Ecological Society of America Meeting, Portland, Oregon, Aug 2004.
- Gunzburger, M. S. 2003. The role of tadpole predation in the habitat distribution of *Hyla cinerea*, *Hyla gratiosa*, and their hybrids. Gopher Tortoise Council 25th Anniversary Meeting, Wekiwa Springs State Park, Apopka, Florida, Oct 2003.
- Gunzburger, M. S. 2003. Evaluating the effects of multiple predators on green treefrog tadpoles. Ecological Society of America Meeting. Savannah, Georgia, Aug 2003.
- Aresco, M. J. and M. S. Gunzburger. 2002. Effects of sediment removal on populations of herpetofauna in north Florida lakes. Poster presentation at the Meeting of the Southeast Regional Working Group of the Partnership for Amphibian and Reptile Conservation. Thomasville, Georgia, Oct 2002.
- Gunzburger, M. S. 2002. Combining predator effectiveness and natural abundance to evaluate the importance of predation on *Hyla cinerea* tadpoles. Joint Meeting of the Ecological Society of America and the Society for Ecological Restoration. Tucson, Arizona, Aug 2002.
- Gunzburger, M. S. 2002. Combining predator effectiveness and natural abundance to evaluate the importance of predation on *Hyla cinerea* tadpoles. Joint Meeting of the American Society of Ichthyology and Herpetology, Society for the Study of Amphibians and Reptiles, and the Herpetologists' League. Kansas City, Missouri. July 2002.
- Gunzburger, M. S. 2001. The early life history of *Amphiuma means*: factors influencing hatching, metamorphosis, and survival. Joint Meetings of the Society for the Study of Amphibians and Reptiles and The Herpetologist's League. Indianapolis, Indiana, July 2001.
- Gunzburger, M. S. and M. J. Aresco. 2001. Effects of muck removal on populations of large aquatic salamanders (*Siren* and *Amphiuma*). Florida Lake Management Society Meeting. Tallahassee, Florida, May 2001.