

## **Kimberly M. Andrews**

Savannah River Ecology Laboratory ▪ Drawer E ▪ Aiken, SC 29802

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### **EDUCATION**

- 2004-Present    **Ph.D. Ecology** – in progress  
 UNIVERSITY OF GEORGIA, Athens, GA  
 Doctoral Candidate – Awarded February 2007  
 Blue Key National Honor Society, UGA Chapter – Inducted April 2007
- 2001-2004      **M.S. Conservation Ecology and Sustainable Development**  
 UNIVERSITY OF GEORGIA, Athens, GA  
 Awarded May 2004
- 1996-1999      **B.S. Ecology**  
 UNIVERSITY OF GEORGIA, Athens, GA  
 Awarded December 1999  
 Awarded Dean’s List, four terms  
 Member of Delta Epsilon Iota Honorary Society

### **PROFESSIONAL OBJECTIVES**

To contribute to the conservation of wildlife species via:

1. field research of wildlife ecology in fragmented habitats and altered landscapes
2. public outreach to promote understanding and appreciation of ecology
3. assessments and development of viable sustainable design regimes

### **PROFESSIONAL EXPERIENCE**

- 2004-Present    **DOCTORAL DISSERTATION RESEARCH**  
 Savannah River Ecology Laboratory, University of Georgia, Aiken, SC
- Movement patterns and survivorship of rattlesnakes in developing areas
  - Efficacy of relocation of rattlesnakes as a management tool
  - Habitat use of man-made lagoons by American alligators
  - Mapping assessments and habitat protection prioritization
  - Consultation on venomous snake identification and behaviors
- 2006-Present    **ECO-FRIENDLY ROADS AND DEVELOPMENT TEAM, Chair**  
**PARC (Partners in Amphibian and Reptile Conservation)**
- Increasing communication between scientists, government, and planners
  - Targeting priority species and habitat for research and preservation
  - Information synthesis of ecological effects and agency structure
  - Solution-driven and product-oriented
- 2009-Present    **RESEARCH PROFESSIONAL – INDIVIDUAL-BASED MODELLING**  
 Savannah River Ecology Laboratory, University of Georgia, Aiken, SC
- Use of Netlogo<sup>®</sup> to create a model for gopher tortoises (*Gopherus polyphemus*) on Fort Stewart to assess long-term population persistence relative to habitat structure and patch size within the landscape
  - Develop recommendations for viability of release locations for translocated tortoises

- 2009-Present RESEARCH PROFESSIONAL – OUTREACH PROGRAM COORDINATOR,  
Savannah River Ecology Laboratory, University of Georgia, Aiken, SC
- Coordinate scheduling of presentations and events for the SREL Outreach and Education program
  - Conduct live animal programs and presentations on wildlife conservation with a focus on herpetofaunal species
- 2007-2009 SCIENCE AND EDUCATION DIRECTOR  
Palmetto Bluff Conservancy
- Biological research and survey initiatives (reptiles, amphibians, bluebird banding, furbearers, small mammals)
  - Consultation for developers on reduction of human-wildlife conflicts
  - Educational programs (field tours, lecture series, professional workshops, citizen science, website, nature center design and displays)
  - Property owner communications on living with wildlife (lectures, field tours, brochure and interpretive display development)
  - Water quality monitoring (protocols and data management)
- 2002-2005 SNAKE PROCESSING COORDINATOR  
Savannah River Ecology Laboratory, University of Georgia, Aiken, SC
- Management of snake research facilities including personnel coordination and marking techniques (hot branding, scale clipping, and PIT tagging)
  - Development of protocols for handling venomous snakes
- 2001-2004 MASTERS THESIS RESEARCH  
Savannah River Ecology Laboratory, University of Georgia, Aiken, SC
- Interspecific behavioral responses of snakes to roads and vehicles
  - Persistence of roadkill in relation to traffic density
  - Interspecific road use patterns using a long-term database
- 2001-Present HERPETOLOGICAL RESEARCH ASSISTANT:
- National Park Service surveys - Field Research Assistant (2002-2003)
    - Conducted field surveys to document biodiversity of reptiles and amphibians in 16 southeastern parks; assisted in specimen collection, museum cataloguing, and data management
  - Wetland surveys – (January 2003 – January 2004)
    - field and laboratory research assistant on long-term reptile and amphibian surveys of Carolina bays that included project design, daily collecting and identification of regional species, processing specimens, and entering data
  - Diamondback terrapin surveys (2001-Present)
    - assisted as part of field crew in capture, specimen processing, and data entry for long-term mark-recapture project of terrapins in coastal South Carolina
- 2000-2003 FIELD DIRECTOR  
Jumby Bay Hawksbill Marine Turtle Project
- Conducted research on population demographics of hawksbill sea turtles (*Eretmochelys imbricata*) on Long Island, Antigua, WI including:
    - Marking nesting females (Inconel<sup>®</sup> tagging and carapace drilling)

- Determination of hatch success for nesting females
  - Collaborative studies investigating age and population assessment
  - Project coordination with WIDECAS (Wider Caribbean Sea Turtle Organization), active field teams, Jumby Bay education program, and long-term data maintenance
  
- 2001 FIELD ASSISTANT, HAWKSBILL TAGGING PROJECT  
Marie-Galante, Guadeloupe, West Indies
  - Inconel tagging and DNA tissue sampling of hawksbill sea turtles (*Eretmochelys imbricata*)
  
- 2001 SOIL SURVEY LAB TECHNICIAN  
Soil Survey Lab, University of Georgia, Athens, GA
  - pH, PSD, and CEC testing of soil samples
  
- 2000 HERPETOLOGY FIELD TECHNICIAN  
Department of Biology, Purdue University
  - Mark-recapture study of watersnake (*Nerodia*) species
  - Habitat fragmentation study of the federally threatened copperbelly watersnake (*Nerodia erythrogaster neglecta*) using radio telemetry
  
- 1999-2000 SOIL ECOLOGY LABORATORY ASSISTANT  
Institute of Ecology, University of Georgia, Athens, GA
  - Preparation of leaf samples for carbon and nitrogen testing
  
- 1999 FIELD AND EDUCATION INTERNSHIP  
Finca La Flor, Costa Rica, Central America
  - Implemented a reforestation project at an environmental school/organic farm
  - Vegetation mapping and statistical analysis of successional plots
  - Investigated growth responses of transplanted seeds and seedlings in plots

#### **TEACHING AND MENTORING EXPERIENCE**

- SREL (Savannah River Ecology Lab) Outreach Program – (2002-Present)
  - Presentations to schools (grade and college levels) and civic groups
  - Answering environmental questions submitted by general public
- Envirovet (Field techniques portion) Wildlife Veterinary course – (2008-2009)
- SC Governor’s School student research project (2007):  
Small mammal abundances surrounding recreational development (e.g., golf and equestrian)
- Designed and conducted directed courses on herpetology for UGA Ecology undergraduate student (Fall 2006):  
ECOL 3900 – Directed Reading in Reptile Biology (with emphasis on venomous snakes)  
ECOL 4940 – Field Techniques in Herpetology
- UGA Ecology 3500 Instructor (Basic Ecology Lab) – (Fall 2005)
- Ecoreach-Institute of Ecology, UGA; Environmental Education Program for community schools (2001-2004)
- SPARC (Student Partners for Amphibian and Reptile Conservation (2003)) – field trips for elementary schools
- Outreach of conservation of marine systems in Antigua, West Indies through beach tours and presentations to citizen groups, residents, and resort visitors (2000-2002)

- Ecology – Finca La Flor, Costa Rica – children and adults in classroom and field (1999)
- English– Finca La Flor, Costa Rica - children and adult classes (1999)

### **CURRENT RESEARCH PROJECTS**

- Habitat-use, home range, and survivorship assessments of canebrake (*Crotalus horridus*) and eastern diamondback (*Crotalus adamanteus*) rattlesnakes in a developing landscape in the South Carolina Lowcountry.
- Assessing the activity patterns of canebrake (*Crotalus horridus*) and eastern diamondback (*Crotalus adamanteus*) rattlesnakes in South Carolina as potentially influenced by abiotic variation. *Collaborators:* Jayme Waldron
- Characterization of habitat selection and vegetation preferences of hawksbill sea turtles (*Eretmochelys imbricata*) to target management and restoration potentials on developed beaches in the West Indies. *Collaborators:* Tara Muenz and Jim Richardson
- Developing guidelines and recommendations for transportation planning as it pertains to the avoidance and mitigation of the effects of road infrastructure on small vertebrates through facilitating communication and collaborations, scientific summary, and the creation of planning tools. *Collaborators:* Priya Nanjappa and Kevin Moody
- Evaluating the efficacy of long-range relocation of canebrake rattlesnakes (*Crotalus horridus*) as a last-resort management tool on developing lands.
- Investigating the colonization of stormwater lagoons by young adult American alligators (*Alligator mississippiensis*) in the South Carolina Lowcountry. *Collaborators:* Dr. Terry Norton, DVM
- Venom toxicity sampling of canebrake (*Crotalus horridus*) and eastern diamondback (*Crotalus adamanteus*) rattlesnakes in the South Carolina Lowcountry. *Collaborators:* Jayme Waldron

### **PUBLICATIONS**

#### **PEER-REVIEWED**

- **Andrews, K. M.** and J. W. Gibbons. 2008. *Roads as Catalysts of Urbanization: Snakes on Roads Face Differential Impacts Due to Inter- and Intra-specific Ecological Attributes.* In: J. C. Mitchell, R. E. Jung Brown and B. Bartholomew (eds.), *Urban Herpetology*, pp. 145-153. Society for the Study of Amphibians and Reptiles, *Herpetological Conservation Volume 3*, Salt Lake City, UT. ([PDF](#))
- **Andrews, K. M.,** J. W. Gibbons, and D. M. Jochimsen. 2008. *Ecological effects of roads on amphibians and reptiles: a literature review.* In: J. C. Mitchell, R. E. Jung Brown, and B. Bartholomew (eds.), *Urban Herpetology*, pp. 121-143. Society for the Study of Amphibians and Reptiles, *Herpetological Conservation Volume 3*, Salt Lake City, UT. ([PDF](#))
- Todd, B. D. and **K. M. Andrews.** 2008. Response of a reptile guild to forest harvesting. *Conservation Biology* 22(3): 753-761. ([PDF](#))
- Jensen, J., C. Camp, J. W. Gibbons, and M. Elliott (eds.). 2008. Reptiles and Amphibians of Georgia. University of Georgia Press, Athens, GA.  
**K. M. Andrews - Senior author** on the following species accounts:
  - Rat snake (*Elaphe obsoleta*)
  - Black racer (*Coluber constrictor*)
  - Green sea turtle (*Chelonia mydas*)
  - Hawksbill sea turtle (*Eretmochelys imbricata*)
  - Leatherback sea turtle (*Dermochelys coriacea*)
  - Loggerhead sea turtle (*Caretta caretta*)
  - Ringneck snake (*Diadophis punctatus*)
  - Southeastern crowned snake (*Tantilla coronata*)

- K. M. Andrews – Co-author** on the following species accounts:  
 Copperhead (*Agkistrodon contortrix*)  
 Kemp's ridley sea turtle (*Lepidochelys kempii*)
- Winne, C. T., J. D. Willson, B. D. Todd, **K. M. Andrews**, and J. W. Gibbons. 2007. Enigmatic decline of a protected population of Eastern Kingsnakes, *Lampropeltis getula*, in South Carolina. *Copeia* 2007: 507-519. [\(PDF\)](#)
  - Glaudas, X. A., **K. M. Andrews**, J. D. Willson, and J. W. Gibbons. 2007. *Migration patterns in a population of cottonmouths (Agkistrodon piscivorus) inhabiting an isolated wetland*. *Journal of Zoology* 271: 119-124. (Cover article) [\(PDF\)](#)
  - Gibbons, J. W., C. T. Winne, D. E. Scott, J. D. Willson, X. Glaudas, **K. M. Andrews**, B. D. Todd, L. A. Fedewa, L. Wilkinson, R. N. Tsaliagos, S. J. Harper, J. L. Greene, T. D. Tuberville, B. S. Metts, M. E. Dorcas, J. P. Nestor, C. A. Young, T. Akre, R. N. Reed, K. A. Buhmann, J. Norman, D. A. Croshaw, C. Hagen, and B. B. Rothermel. 2006. *Remarkable amphibian biomass and abundance in an isolated wetland, with implications for wetland conservation*. *Conservation Biology* 20:1457-1465. [\(PDF\)](#)
  - Richardson, J. I., R. Kerr-Bjorkland, P. A. Mason, D. B. Hall, Y. Cai, **K. M. Andrews**, and R. Bell. 2006. *Eighteen years of saturation tagging reveal significant increase in nesting hawksbill sea turtles (Eretmochelys imbricata) on Long Island, Antigua*. *Animal Conservation* 9: 302-307. [\(PDF\)](#)
  - Winne, C. T., J. D. Willson, **K. M. Andrews**, and R. N. Reed. 2006. *Efficacy of marking snakes with disposable medical cautery units*. *Herpetological Review* 37:52-54. [\(PDF\)](#)
  - **Andrews, K. M.** and J. W. Gibbons. 2005. *How do highways influence snake movement? Behavioral responses to roads and vehicles*. *Copeia* 2005: 771-781. [\(PDF\)](#)
  - Gibbons, J. W. and **K. M. Andrews**. 2004. *PIT tagging: Simple technology at its best*. *Bioscience* 54: 447-454. (Cover article) [\(PDF\)](#)
  - Frick, M. G., P. A. Mason, K. L. Williams, **K. Andrews**, and H. Gerstung. 2003. *Epibionts of hawksbill turtles in a Caribbean nesting ground: A potentially unique association with snapping shrimp (Crustacea: Alpheidae)*. *Marine Turtle Newsletter* 99: 8-11. [\(PDF\)](#)

#### **PUBLISHED PROCEEDINGS, REPORTS, AND POPULAR ARTICLES**

- Muenz, T. K. and **K. M. Andrews**. 2008. *The reconciliation of hawksbill (Eretmochelys imbricata) nesting habitat with vegetation islands on Long Island, Antigua, West Indies*. In: H. Kalb, A. Rohde, K. Gayheart, and K. Shanker (compilers), *Proceedings of the 25<sup>th</sup> International Symposium on Sea Turtle Biology and Conservation*, pp. 145. NOAA Technical Memorandum NMFS-SEFSC-582. [\(PDF\)](#)
- **Andrews, K. M.**, J. W. Gibbons, and D. M. Jochimsen. 2006. Literature synthesis of the effects of roads and vehicles on amphibians and reptiles. Federal Highway Administration (FHWA), U.S. Department of Transportation. Washington, D.C. 151 pp. [\(PDF\)](#)
- **Andrews, K. M.**, and J. W. Gibbons. 2006. *Dissimilarities in behavioral responses of snakes to roads and vehicles have implications for differential impacts across species*. In: C. L. Irwin, P. Garrett, and K. P. McDermott (eds.). *Proceedings of the 2005 International Conference on Ecology and Transportation*, pp. 339-350. Center for Transportation and the Environment, North Carolina State University, Raleigh, NC.
- Gibbons, W. and **K. Andrews**. 2005. *Life (and death) in a nest box*. *South Carolina Wildlife Magazine*. March-April 2005. [\(PDF\)](#)
- **Andrews, K. M.** 2004. *Interspecific comparisons of behavioral responses of southeastern snakes to roads*. M.S. Thesis. University of Georgia. Athens, GA.
- **Andrews, K. M.** 2004. *Behavioral responses of snakes to road encounters: Can we generalize impacts across species? (An overview summary)*. In: C. L. Irwin, P. Garrett,

- and K. P. McDermott (eds.), Proceedings of the 2003 International Conference on Ecology and Transportation, pp. 649-651. Center for Transportation and the Environment, North Carolina State University, Raleigh, NC.
- Jochimsen, D. M., C. R. Peterson, **K. M. Andrews**, and J. W. Gibbons. 2004. *A literature review of the effects of roads on amphibians and reptiles and the measures used to minimize those effects*. US Forest Service report. 79 pp. ([PDF](#))
  - **Andrews, K. M.** and H. Gerstung. 2003. *Initial realities in the analysis of Argos satellite telemetry data*. In: J. A. Seminoff (compiler), Proceedings of the 22<sup>nd</sup> Annual Symposium on Sea Turtle Biology and Conservation, pp. 52-53. NOAA Technical Memorandum NMFS-SEFSC-503.
  - Muenz, T. K. and **K. M. Andrews**. 2003. *The recovery of nesting habitat: A proactive approach for conservation of the hawksbill sea turtle, Eretmochelys imbricata, Long Island, Antigua, West Indies*. In: J. A. Seminoff (compiler), Proceedings of the 22<sup>nd</sup> Annual Symposium on Sea Turtle Biology and Conservation, pp. 105-106. NOAA Technical Memorandum NMFS-SEFSC-503.

### PRESENTATIONS

- 25<sup>th</sup> Annual Meeting of Ichthyologists and Herpetologists (poster):  
Tuberville, T. D., **K. M. Andrews**, J. D. Westervelt, J. Macey, and L. Carlile. 2009. *Using individual-based modeling to guide management of gopher tortoise populations on Fort Stewart Military Installation, Georgia*. Portland, OR.
- International Symposium on Urban Wildlife and the Environment (invited oral):  
**Andrews, K. M.** 2009. *The road to urbanization: an overview of ecological effects on herpetofauna*. Amherst, MA.
- 30<sup>th</sup> Annual Gopher Tortoise Council meeting (invited oral):  
**Andrews, K. M.** 2008. *Chelonians and roads: mortality and beyond*. Jekyll Island, GA.
- Terrapin Mortality Workshop (invited oral):  
**Andrews, K. M.** 2008. *Where the turtle meets the tire: what we know and what we need to know for management and conservation*. Jekyll Island, GA.
- Savannah River Ecology Laboratory Long-term Research Workshop (oral):  
**Andrews, K. M.** 2008. *SREL Herpetology snake database 1950-present*. Aiken, SC.
- Southeastern Partners in Amphibian and Reptile Conservation (SEPARC) meeting (oral):  
Kennedy, P. R. and **K. M. Andrews**. 2008. *Environmental sustainability in a developing landscape: a day in the life*. Athens, GA.
- 23<sup>rd</sup> Annual Meeting of Ichthyologists and Herpetologists (poster):  
**Andrews, K. M.**, D. M. Jochimsen, and J. W. Gibbons. 2007. *Ecological effects of roads on herpetofauna: understanding biology and increasing communication*. St. Louis, MO.
- 2007 International Conference on Ecology and Transportation (oral):  
**Andrews, K. M.** 2007. *Ecological effects of roads on herpetofauna: understanding biology and increasing communication are critical for wildlife conservation*. Little Rock, AK.
- 2007 International Conference on Ecology and Transportation (poster):  
**Andrews, K. M.**, D. M. Jochimsen, and J. W. Gibbons. 2007. *Literature synthesis of the effects of roads and vehicles on amphibians and reptiles: a snapshot of our journey*. Little Rock, AK.
- 22<sup>nd</sup> Annual Meeting of Ichthyologists and Herpetologists (oral):  
**Andrews, K. M.** 2006. *On the road with herps: the importance of asking for directions*. New Orleans, LA.
- 3<sup>rd</sup> Annual Savannah River Ecology Laboratory Graduate Student Symposium (oral):

- Andrews, K. M.** 2006. *On the road with herps: the importance of asking for directions*. Aiken, SC.
- Southeastern Partners in Amphibian and Reptile Conservation (SEPARC) meeting (invited oral):  
**Andrews, K. M.** and J. W. Gibbons. 2006. *Roads and herps: can amphibians and reptiles persevere?* Andalusia, AL.
  - 3<sup>rd</sup> Annual All South Carolina Herpetology Conference (invited oral):  
**Andrews, K. M.** and J. W. Gibbons. 2006. *The road trip for herps: finding the right map*. Columbia, SC.
  - 2005 International Conference on Ecology and Transportation (oral):  
**Andrews, K. M.** and J. W. Gibbons. 2005. *How do highways influence snake movement? Behavioral responses to roads and vehicles*. San Diego, CA.
  - 21<sup>st</sup> Annual Meeting of Ichthyologists and Herpetologists (oral):  
**Andrews, K. M.** and J. W. Gibbons. 2005. *Ecological attributes of snakes on roads: sex, size and status*. Tampa, FL.
  - 21<sup>st</sup> Annual Meeting of Ichthyologists and Herpetologists (poster):  
**Andrews, K. M.**, P. A. Mason, and J. W. Gibbons. 2005. *What is the half-life of a dead snake? Persistence of road-killed snake specimens is affected by scavengers, traffic density, and abiotic factors*. Tampa, FL.
  - 2<sup>nd</sup> Annual Savannah River Ecology Laboratory Graduate Student Symposium (oral):  
**Andrews, K. M.** and J. W. Gibbons. 2005. *Ecological attributes of snakes on roads: sex, size and status*. Aiken, SC.
  - 25<sup>th</sup> Annual Symposium on Sea Turtle Conservation and Biology (poster):  
Muenz, T. K. and **K. M. Andrews**. 2005. *The reconciliation of hawksbill (Eretmochelys imbricata) nesting habitat with vegetation islands on Long Island, Antigua, West Indies*. Savannah, GA.
  - 2<sup>nd</sup> Annual Southeastern Ecology and Evolution Conference (SEEC) (poster):  
Muenz, T. K. and **K. M. Andrews**. 2005. *The reconciliation of hawksbill (Eretmochelys imbricata) nesting habitat with vegetation islands on Long Island, Antigua, West Indies*. Savannah, GA.
  - Award: 20<sup>th</sup> Annual Meeting of Ichthyologists and Herpetologists (oral):  
**Andrews, K. M.** 2004. *To cross or not to cross: a behavioral investigation of responses to roads by southeastern snake species*. Norman, OK.  
\* Received Honorable Mention for ASIH Stoye Conservation Award.
  - Award: 1<sup>st</sup> Annual Savannah River Ecology Laboratory Graduate Student Symposium (oral):  
**Andrews, K. M.** 2004. *The road not always traveled: Interspecific comparisons of behavioral responses of southeastern snakes to roads*. Aiken, SC.  
\* 2<sup>nd</sup> place oral presentation in competition with M.S. and Ph.D students and Postdocs.
  - M.S. Defense, University of Georgia (oral):  
**Andrews, K. M.** 2004. *Interspecific comparisons of behavioral responses of southeastern snakes to roads*. Athens, GA.
  - Southeastern Partners in Amphibian and Reptile Conservation (SEPARC) meeting (invited oral):  
**Andrews, K. M.** and M. J. Aresco. 2004. *The effects of roads on reptiles and amphibians: opportunities for mitigation of habitat fragmentation and direct mortality*. Jasper, SC.
  - 1<sup>st</sup> Annual All South Carolina Herpetology Conference (invited oral):  
**Andrews, K. M.** 2004. *Why does the snake cross the road? Interspecific variation in behavioral responses to roads*. Columbia, SC.

- 10<sup>th</sup> Annual Institute of Ecology Graduate Student Symposium, University of Georgia (oral):  
**Andrews, K. M.** 2004. *How does the snake cross the road? An interspecific comparison of behavior.* Athens, GA.
- 24<sup>th</sup> Annual Symposium on Sea Turtle Conservation and Biology (poster):  
Richardson, J. I., R. Bjorkland, P. Mason, D. B. Hall, Y. Cai, **K. M. Andrews** and R. Bell. 2004. Seventeen years of saturation tagging data reveal a significant increase in nesting hawksbill turtles (*Eretmochelys imbricata*) on Jumby Bay, Long Island, Antigua, West Indies. Costa Rica, C. A.
- Davidson College, Biology Class (invited seminar):  
**Andrews, K. M.** 2004. *Does the snake cross the road? An examination of behavior to assess road impact implications across species.* Davidson, NC.
- 2003 International Conference on Ecology and Transportation (poster and video):  
**Andrews, K. M.** and J. W. Gibbons. 2003. *Interspecific behavioral responses of snakes to roads.* Lake Placid, NY.
- 9<sup>th</sup> Annual Institute of Ecology Graduate Student Symposium, University of Georgia (oral):  
**Andrews, K. M.** 2003. "Why does the snake cross the road?" is no longer a joke. Athens, GA.
- 64<sup>th</sup> Annual Meeting of the Association of Southeastern Biologists (poster):  
**Andrews, K. M.** 2003. *Dead or alive: road use by snakes on the Savannah River Site, SC.* Arlington, VA.
- 87<sup>th</sup> Annual Meeting of Ecological Society of America (poster):  
Muenz, T. K. and **K. M. Andrews.** 2002. *The recovery of nesting habitat with vegetation islands: Conservation challenges for the hawksbill sea turtle, Eretmochelys imbricata, on Long Island, Antigua, West Indies.* Tucson, AZ.
- 22<sup>nd</sup> International Symposium on Sea Turtle Biology and Conservation (oral):  
**Andrews, K. M.** and H. Gerstung. 2002. *Investigating post-nesting behavior of adult female hawksbills using Argos satellite data: Initial realities.* Miami, FL.
- 22<sup>nd</sup> International Symposium on Sea Turtle Biology and Conservation (poster):  
Muenz, T. K. and **K. M. Andrews.** 2002. *The recovery of nesting habitat: A proactive approach for conservation of the hawksbill sea turtle, Eretmochelys imbricata, Long Island, Antigua, West Indies.* Miami, FL.
- Award: 8<sup>th</sup> Annual Institute of Ecology Graduate Student Symposium, University of Georgia (oral):  
**Andrews, K. M.** 2001. *Balancing the agendas of politics, sustainable harvest, and the quality of research data on the behavior of nesting hawksbill sea turtles, Eretmochelys imbricata.* Athens, GA.  
\* Honorable Mention
- 21<sup>st</sup> International Symposium on Sea Turtle Biology and Conservation -WIDECAST (invited oral):  
**Andrews, K. M.** and J. I. Richardson. 2001. *Migrational behavior of hawksbill sea turtles from Argos satellite telemetry tagging of nesting females on Jumby Bay Island, Antigua and Jamaica.* Orlando, FL.

#### **SERVICES AT PROFESSIONAL CONFERENCES:**

- Co-organizer:
  - 2010 Joint Meetings of Ichthyologists and Herpetologists (JMIH) – Special Symposium on Roads and Small Vertebrates. Providence, Rhode Island. 2010.
  - 2008 Southeastern Partners in Amphibian and Reptile Conservation (SEPARC) meeting – Selected speakers for oral presentations)

2<sup>nd</sup> Annual Southeastern Ecology and Evolution Conference (SEEC). - Organized and coordinated all Oral Presentations. Athens, GA. 2005.

- Moderator:
  - 2<sup>nd</sup> Annual Southeastern Ecology and Evolution Conference (SEEC). Athens, GA. 2005.
  - 25<sup>th</sup> Annual Symposium on Sea Turtle Conservation and Biology. Freshwater Turtle Symposium. Savannah, GA. 2005.
  - 1<sup>st</sup> Annual Southeastern Ecology and Evolution Conference (SEEC). Atlanta, GA. 2004.
  - 10<sup>th</sup> Annual Institute of Ecology Graduate Student Symposium, University of Georgia. Athens, GA. 2004.

### **GRANTS FUNDED**

- **Andrews, K. M.**, J. W. Gibbons, and M. A. Pilgrim. 2006. *Investigating effects of ecologically conservative residential development on snake movement patterns and survivorship in the Lowcountry of South Carolina*. Palmetto Bluff Conservancy. Jun. 2006-May 2009. (\$50,206).
- Gibbons, J. W., **K. M. Andrews**, and J. L. Greene. 2006. *Wildlife highway crossing study: investigation of the use of highway culverts by wildlife*. U.S. Geological Survey. Mar. 2006-Sep. 2007. (\$53,556).
- Gibbons, J. W., **K. M. Andrews**, and J. L. Greene. 2006. *Wildlife highway crossing study: investigation of the use of highway culverts by wildlife*. GA Department of Transportation. Sep. 2006-Sep. 2007. (\$24,000).
- Gibbons, J. W. and **K. M. Andrews**. 2004. *Impacts of roads on reptiles and amphibians – literature synthesis report*. Federal Highway Administration. Aug. 2004-Aug. 2005. (\$45,000).

### **AWARDS**

- 2007 – Blue Key National Honor Society, UGA Chapter – Inducted April
- 2007 – University of Georgia Amazing Student Award – October
- 2007 – Dean Lindholm Memorial Award. Institute of Ecology. Graduate Student Travel Support – *Investigating effects of development on snake movement patterns and survivorship*.
- 2007 – Southeastern Partners in Amphibian and Reptile Conservation (SEPARC) – Graduate Student Travel Scholarship, Chattanooga, TN.
- 2006 – Savannah River Ecology Laboratory Graduate Fellowship Award. 2006-2007.
- 2006 – Robert Sheldon Memorial Award. Institute of Ecology. Graduate Student Travel Support – *Investigating effects of ecologically conservative residential development on snake movement patterns and survivorship*.
- 2006 – American Society of Ichthyologists and Herpetologists (ASIH) Graduate Student Travel Award. 22<sup>nd</sup> Annual Meeting of Ichthyologists and Herpetologists. New Orleans, LA.
- 2006 – Society for the Study of Amphibians and Reptiles (SSAR) Graduate Student Travel Award. 22<sup>nd</sup> Annual Meeting of Ichthyologists and Herpetologists. New Orleans, LA.
- 2005 – University of Georgia Institute of Ecology Best Student Paper Award – Applied Ecology - *How do highways influence snake movement? Behavioral responses to roads and vehicles*. ASIH (Copeia) 2005.
- 2004 – 1<sup>st</sup> Annual Savannah River Ecology Laboratory Graduate Student Symposium (oral) – see Presentation section.

- 2004 – 20<sup>th</sup> Annual Meeting of Ichthyologists and Herpetologists (oral) - see Presentation section.
- 2003 – Savannah River Ecology Laboratory Safety Excellence in Research Award for observing, handling, and processing large numbers of venomous snakes
- 2001 – 8<sup>th</sup> Annual Institute of Ecology Graduate Student Symposium, University of Georgia (oral) - see Presentation section.

### **ORGANIZATIONS**

- ABS (Animal Behavior Society)
- ASB (Association of Southeastern Biologists)
- ASIH (American Society of Ichthyologists and Herpetologists)
- AWIS (Association for Women in Science)
- Auxiliary of Veterans of Foreign Wars, Post #7200
- ESA (Ecological Society of America)
- HL (The Herpetologists' League)
- PARC (Partners in Amphibian and Reptile Conservation)
  - SEPARC (Southeastern division)
  - SPARC (Student Partners in Amphibian and Reptile Conservation)
- Sigma Xi (The Scientific Research Society)
- SCSE (South Carolinians for Science Education)
- SSAR (Society for the Study of Amphibians and Reptiles)
- University of Georgia GSA (Graduate Student Association)
- UGHS (University of Georgia Herpetological Society)
- WIDECAST (Wider Caribbean Sea Turtle Organization)

### **REFEREE OF JOURNALS AND BOOKS**

- Animal Conservation
- Biotropica
- Copeia
- Conservation Biology
- Herpetologica
- Herpetological Review
- Journal of Herpetology
- Journal of Wildlife Management
- Society for the Study of Amphibians and Reptiles
- Smithsonian Institution Press
- University of Georgia Press (Sea Turtle book)

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