

Stan J. Hutchens

North Carolina State University
110 Brooks Ave.
Raleigh, NC 27607

Office: 919.513.7558
Cell: 919.274.4484
sjhutchi@ncsu.edu

EDUCATION

2005 – present **North Carolina State University, Raleigh, NC**
Master of Science in Wildlife Biology

Thesis: Inventory and assessment of the reptiles and amphibians of Bull Neck Swamp, Washington County, North Carolina.

1999-2003 **North Carolina State University, Raleigh, NC**
B. S. in Wildlife Biology, Environmental Science minor

RESEARCH INTERESTS

Predator-prey interactions of ophiophagic snake species, particularly the neutralizing mechanisms employed with venomous interactions
Venom ecology and pharmacological benefits
Evolution and ecology of snakes
Evolution of venom glands in snakes in regards to phylogenetics
Ecology of salamanders
Mutualisms and coevolution (no particular taxa)

RESEARCH EXPERIENCE

M. S. Research, *Washington County, NC*, May 2005 – present

Implemented 11 capture techniques in a hierarchical design to determine the species richness of Bull Neck Swamp, a pocosin wetland owned and managed by NC State University, Dept. of Forestry and Environmental Resources. Contrasted the efficacy of determining accurate estimates of species richness for all techniques employed to the use of one or two techniques. Also, conducted empirical research on the use of visual implant fluorescent elastomers in snake research as a viable marking alternative to scale clipping and branding methodologies

Research Assistant, *Hyde County and NC State University Dept. of Zoology, NC*,

August 2003 – May 2004 and August 2004 – May 2005

Assisted with the capture, sedation, handling, and GPS collaring of black bears in Hyde CO., NC. Other field duties included collection of hair samples at 202 barbed wire corrals across the county for an innovative study of a non-invasive sampling methodology to estimate population sizes of the bear population using DNA and GPS collar retrieval in pocosin wetlands. Laboratory duties conducted on campus entailed careful, precise removal of hair roots from 2500 hair samples

collected in the field to obtain DNA, and extraction, amplification, and acrylamide running of DNA samples.

Field Technician, *Bald Head Island Conservancy, Bald Head Island, NC*, May 2004 - August 2004

Developed, implemented, and conducted alligator population spotlight surveys for the Town of Bald Head Island, NC. Conducted white-tailed deer population spotlight surveys, which began on the island in 2002. Assisted with all-night patrols for nesting sea turtles as well as locating, fencing, monitoring, and excavating sea turtle nests.

Technician, *North Carolina Cooperative Fish and Wildlife Research Unit, Raleigh, NC*, July 2003 – August 2003

Assisted with light fisheries research duties. Maintained Coop research equipment and performed maintenance duties.

Field Technician, *Pisgah National Forest, Transylvania County, NC*, May 2001 – August 2001

Captured, handled, and radio-collared black bears as part of a 20-year study of the bear population in Pisgah National Forest and the benefits of bear sanctuaries for surrounding bear populations. Also, recorded habitat data at predetermined, persistent locations used in modeling a habitat suitability index for the bear population in the forest. Assisted with research to determine the efficacy of salamander species richness as a bioindicator of high or low quality black bear habitat.

TEACHING EXPERIENCE

Teaching Assistant, *North Carolina State University, Public Policy and Wildlife Administration (FW 430)*, Spring 2007.

Volunteer Teacher, *Project Exploris, North Carolina Wildlife Resources Commission, Raleigh, NC*, 22 March 2007

Instructed 6th grade students in basic capture techniques, biology, and identification of local reptiles and amphibians.

Visiting Teacher, *North Chatham School, Chatham County, NC*, Fall 2006 and Spring 2005, 2007.

Instructed first grade students basic biology, ecology, and physical sciences with an emphasis on reptiles and amphibians on a volunteer basis.

Instructor, *Bald Head Island Conservancy, Bald Head Island, NC*, May 2004 – August 2004.

Taught weekly classes on alligator ecology and behavior to large audiences (30+) of children and adults.

Teaching Assistant, Fisheries and Wildlife Sciences, and Forestry Summer Camps,
North Carolina State University, Forestry Mapping and
Mensuration (FOR 475) and Fisheries Techniques (FW 310), May
2003 – July 2003.

SUPERVISORY EXPERIENCE

M. S. Research: (2005 – 2006) 1 field technician each field season
Amy L. Raybuck (May – August 2005)
Nick VandenBroek (May – August 2006)

PUBLICATIONS

Hutchens, S. J., DePerno, C. S., and Pollock, K. H. 2006. Efficacy of sampling techniques for surveying the species richness of reptiles and amphibians in a pocosin wetland. Abstract. The Wildlife Society Annual Conference, Anchorage, AK. 23-27 Sept. 2006.

PUBLICATIONS, in review

Hutchens, S. J., DePerno, C. S., Matthews, C. E., Pollock, K. H., and Woodward, D. K. 200-. Visual implant fluorescent elastomers: A viable marking alternative for small-bodied snakes. *Herpetological Review* 0:00-00.

PUBLICATIONS, in preparation

Hutchens, S. J., and DePerno, C. S. 200-. Efficacy of sampling techniques for surveying the species richness of reptiles and amphibians in a pocosin wetland. *Journal of Herpetology* 0:00-00.

PRESENTATIONS

Hutchens, S. J., DePerno, C. S., and Pollock, K. H. 2006. Efficacy of sampling techniques for surveying the species richness of reptiles and amphibians in a pocosin wetland. Poster. The Wildlife Society Annual Conference, Anchorage, AK. 23-27 Sept. 2006.

Hutchens, S. J., DePerno, C. S., and Pollock, K. H. 2006. Efficacy of sampling techniques for surveying the species richness of reptiles and amphibians in a pocosin wetland. Poster. Southeastern Partners for Amphibian and Reptile Conservation Annual Meeting. 25 February 2007.

Hutchens, S. J., DePerno, C. S., Matthews, C. E., Pollock, K. H., and Woodward, D. K. Visual implant fluorescent elastomers as a viable marking alternative for small-bodied snakes. The Wildlife Society NC chapter Annual Meeting. 15-16 March 2007.

Hutchens, S. J., DePerno, C. S., and Pollock, K. H. 2006. Efficacy of sampling techniques for surveying the species richness of reptiles and amphibians in a pocosin wetland. Poster. The Wildlife Society NC chapter Annual Meeting. 15-16 March 2007.

Hutchens, S. J., DePerno, C. S., and Pollock, K. H. 2006. Efficacy of sampling techniques for surveying the species richness of reptiles and amphibians in a pocosin wetland. Poster. North Carolina Partners for Amphibian and Reptile Conservation Annual Meeting. 27 March 2007.

Hutchens, S. J., DePerno, C. S., and Pollock, K. H. 2006. Efficacy of sampling techniques for surveying the species richness of reptiles and amphibians in a pocosin wetland. Poster. North Carolina State University College of Natural Resources Distinguished Lecture Series. 18 April 2007.

FUTURE PRESENTATIONS

Hutchens, S. J., DePerno, C. S., Matthews, C. E., Pollock, K. H., and Woodward, D. K. Visual implant fluorescent elastomers: A viable marking alternative for small-bodied snakes. Northeastern Partners for Amphibian and Reptile Conservation Annual Meeting. August 2007.

Hutchens, S. J., DePerno, C. S., Matthews, C. E., Pollock, K. H., and Woodward, D. K. Visual implant fluorescent elastomers: A viable marking alternative for small-bodied snakes. The Wildlife Society Annual Conference, Tucson, AZ. 22-26 September 2007.

OUTREACH

2003 Assisted with the passing of a law resolution prohibiting the use of candy and sugar based baits to attract black bears for the purposes of hunting.

AWARDS and HONORS

Xi Sigma Pi Forestry Honors Society

REFERENCES

Available upon request