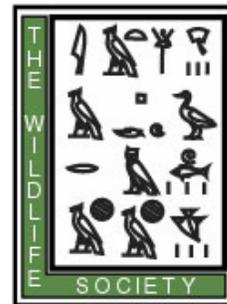
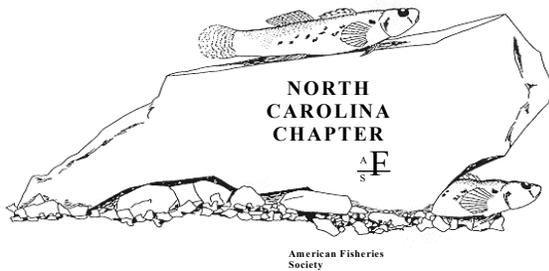


*The North Carolina Chapters*  
*of*  
*The American Fisheries Society*  
*and*  
*The Wildlife Society*  
*2005 Joint Annual Meeting Program*

**“Fisheries and Wildlife Management in Riparian Systems – Where Wet and Dry Meet”**



*February 8 – 9, 2005*  
*The Summit Conference Center*  
*Brown Summit, North Carolina*

*Meeting Support Provided by:*



**2005 Annual Meeting**  
**North Carolina Chapters - American Fisheries Society and The Wildlife Society**  
**The Summit Conference Center**  
**Brown Summit, North Carolina**

**Monday, February 7, 2005**

- 3:00 – 5:00      Registration – Conference Center Lobby
- 6:00 - 7:00      Dinner for workshop participants

**Tuesday, February 8, 2005**

- 7:30 – 8:00      Breakfast for all pre-registered meeting attendees
- 8:00 – 12:00     Registration – Conference Center Lobby
- 8:00 – 10:00     Continuing Education Workshop: (AFS) Clean Water Act §316(b)  
Implementation, Electric Power Research Institute & (TWS) Establishment and  
Management of Warm Season Grasses
- 10:00 – 10:30    Break
- 10:30 – 12:00    Continuing Education Workshop: (AFS) Clean Water Act §316(b)  
Implementation, Electric Power Research Institute & (TWS) Establishment and  
Management of Warm Season Grasses
- 12:00 – 1:00     Lunch for all pre-registered meeting attendees
- 1:00 – 1:10      Welcome and Introductions: Mallory Martin, President, NC Chapter AFS  
Jeff Marcus, President, NC Chapter TWS
- 1:10 – 1:50      Riparian Habitats and Hydrological Drivers in Alluvial Rivers: General  
Principles and Examples from the Lower Roanoke River in North Carolina  
*Sam Pearsall, Director of Science for NC Nature Conservancy*
- 1:50 – 2:30      *Andy Dolloff, Professor of Fisheries, Virginia Tech*
- 2:30 – 2:50      Break
- 2:50 – 3:10      An Agency Approach to Watershed Enhancement: Learning from the Past and  
Planning for the Future  
*James C. Borawa, North Carolina Wildlife Resources Commission, Division of  
Inland Fisheries*
- 3:10 – 3:30      Estimating the Impact of Land Cover Change on Stream Salamander Populations  
in the Piedmont of North Carolina  
*Steven J. Price, Davidson College*
- 3:30 – 3:50      Movement Patterns of the *Elliptio complanata* in a Small North Carolina  
Piedmont Stream  
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- 3:50 – 4:10      The Effects of Survey Protocol on Detection Probabilities and Site Occupancy Estimates for Summer-Breeding Anurans in the Piedmont of North Carolina  
*Michelle M. Gooch \**, Davidson College
- 4:10 – 4:30      Impacts of New Highway Construction to Stream Habitat and Biota: a Review  
*Andrew P. Wheeler*, North Carolina Wildlife Resources Commission
- 4:30 – 4:50      The Effect of Water Quality on the Riparian Insect Community in the Headwaters of the Cape Fear River Basin in North Carolina  
*Stacy Huff \**, University of North Carolina at Greensboro
- 4:50 – 5:10      Restoring Water Quality on the Mitchell  
*Jamie Tilley*, Surry Soil and Water Conservation District
- 5:10 – 5:30      Impacts of Dredging and Inlet Bypassing on the Intertidal Ecology of Pea Island National Wildlife Refuge, North Carolina  
*Dennis Stewart*, Alligator River National Wildlife Refuge
- 5:30 – 5:50      Impacts of Bridges and Culverts on Streamfish Movement and Community Structure  
*Jenny Vander Pluym \**, North Carolina State University
- 5:50 – 6:10      Habitat Conservation Approaches by State Fish and Wildlife Agencies in the United States  
*Danielle R. Pender*, North Carolina Wildlife Resources Commission
- 6:30 - until      Food and Beverage Social – The Summit Conference Center

\* Student Presenter

**Wednesday, February 9, 2005 – Fisheries Session**

- 7:30 – 8:00      Breakfast for all registered meeting attendees
- 8:00 – 8:20      A First Look at Regional Watershed Metrics: Road Density, Roadless Areas, and Distance From Roads at the 14dHUC and Sub 14dHUC Catchment Levels in North Carolina  
*Mark Cantrell*, US Fish and Wildlife Service
- 8:20 – 8:40      Assessment of the 2004 Striped Bass Die-off at Lake Norman, North Carolina  
*Christian T. Waters*, North Carolina Wildlife Resources Commission
- 8:40 – 9:00      Repercussions of Angler Introductions on Lake Norman's Sport Fishery  
*Hugh Barwick*, Duke Power

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- 9:00 – 9:20 Evaluation of Stocking Fingerling Walleye in Lake James, North Carolina  
*Doug Besler, North Carolina Wildlife Resources Commission*
- 9:20 – 9:40 Estimating Run Size of Anadromous Fishes in a Southeastern Coastal River Using Hydroacoustics  
*Warren A. Mitchell \*, NC Cooperative Fish and Wildlife Research Unit*
- 9:40 – 10:00 American shad (*Alosa sapidissima*) Usage of the Wateree River, SC  
*Dave Coughlan, Duke Power*
- 10:00 – 10:15 Break
- 10:15 – 10:35 Effects of Electrofishing on Survival and Behavior of Native Freshwater Mussels  
*F. Michael Holliman, NC Cooperative Fish and Wildlife Research Unit*
- 10:35 – 10:55 The Central Stoneroller, *Campostoma anomalum*, (Family: Cyprinidae): Ecosystem Engineers in the New River?  
*Chris J. Wood \*, Appalachian State University*
- 10:55 – 11:15 Comparison of Day and Night Electrofishing for Largemouth and Smallmouth Bass in Three North Carolina Reservoirs  
*Kevin Hining, North Carolina Wildlife Resources Commission*
- 11:15 – 11:35 Evaluating the Relative Effects of Temperature, Dissolved Oxygen, and Forage on Growth of Striped Bass: An Application of Bioenergetics Modeling in Four North Carolina Reservoirs  
*Lori D. Davias \*, North Carolina State University*
- 11:35 – 11:55 Salinity Tolerance of Flathead Catfish: Implications for Dispersal of Introduced Populations  
*Thomas J. Kwak, North Carolina Cooperative Fish and Wildlife Research Unit*
- 11:55 – 12:15 Pigeon River Re-introduction Efforts Update: 2004  
*Joyce A. Coombs, University of Tennessee*
- 12:15 – 1:15 Lunch for all registered meeting attendees
- 1:15 – 3:00 NCAFS Chapter Business Meeting
- 3:00 Adjourn

\* Student Presenter

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**Wednesday, February 9, 2005 – Wildlife Session**

- 7:30 – 8:00      Breakfast for all registered meeting attendees
- 8:00 – 8:20      The Effects of Water Quality on Bat Foraging Behavior in Stream Ecosystems  
of the Cape Fear River Basin  
*Alison Boyko, University of North Carolina at Greensboro*
- 8:20 – 8:40      Traditional Establishment Recommendations For Native Warm Season Grasses  
*Robert J. Glennon, US Fish and Wildlife Service*
- 8:40 – 9:00      Tamarisk Economic Assessment  
*Allen C. Basala, USEPA*
- 9:00 – 9:20      Mercury Burdens of Osprey Reared in Eastern North Carolina  
*Heidi Alderman, East Carolina University*
- 9:20 – 9:40      The Highway 15/501 Bridge Over New Hope Creek as a Wildlife Underpass  
*Andrea Kleist, North Carolina State University*
- 9:40 – 10:00     Break
- 10:00 - 10:20    Feathers, Fur and Radar Too: Wildlife Hazard Management at North Carolina  
Airports  
*Michael J. Begier, USDA/APHIS/Wildlife Services*
- 10:20 – 10:40    Realistic Costs and Expectations For Using GPS Collars  
*Tim Langer, North Carolina State University*
- 10:40 – 11:00    North Carolina's Comprehensive Wildlife Conservation Strategy  
*Salinda Daley, North Carolina Wildlife Resources Commission*
- 11:00 – 12:00    Business Meeting
- 12:00             Adjourn