

**Program – Georgia Chapter of the American Fisheries Society
Bagby State Park, January 25 -27, 2005**

Tuesday, January 25, 2005

**** Denotes Student Presented Papers**

1:00 pm **Welcome and opening remarks**
1:10 pm **GIS Seminar**

Integrated Mapping Technologies for Natural Resource Management. Dr Thomas Jordan: UGA Center for Remote Mapping Science. (1:15 – 1:45)

Methods and Applications for Aquatic GAP in Georgia. Dr. James Peterson: UGA (1:45 – 2:15)

Spatial Dynamics and Distribution of Stripe Bass in Coastal Georgia Rivers. Ramon Martin: GA-DNR (2:15 – 2:35)

Integrating GIS and Fisheries Management at the Georgia Department of Natural Resources. Thomas Litts: GA-DNR (2:35 – 3:10)

3:10 pm **Break**

Session 1: Watershed Assessment and Restoration I Moderator - Rob Weller

3:30 pm **An Assessment of Fish Community Structure and Seasonal Habitat Use of Headwater Wetlands in Southwest Georgia**
**R. Dale McPherson Jr. UGA

3:50 pm **Soque Watershed Partnership**
Steven Patrick and Brent Beall, UGA Cooperative Extension Service

4:10 pm **An evaluation of the relative influence of spatial, statistical, and biological factors on the accuracy of stream fish species presence models.**
**John Ruiz. UGA

4:30 pm **Adjourn**

6:00 pm **Student-Professional Mixer – Family Group Shelter, Bagby S. P.**

Wednesday, January 26, 2005

Session 2: Methods in Fisheries Biology

Moderator – Steven Patrick

8:00 am **Tracing anthropogenic nutrients into four southeastern stream fishes using stable isotopes**
**Scott Craven, Gary Grossman, Robert Ratajczak, Mark Rigglesford and Aaron Fisk. UGA

8:20 am **Use of multiple stable isotopes to determine exposure and trophic transfer of organochlorines in a salt-marsh estuary**
**Jeremy Smith, Keith Maruya, Aaron Fisk, Katrine Borgå. UGA

- 8:40 am **Evaluation of a Gastric Lavage Method for Use on Largemouth Bass**
Jim Hakala and Danny Johnson, GA-DNR
- 9:00 am **A Non-Lethal Biopsy Technique for Collection of Fish Liver and Muscle Tissue**
Scott Robinson, Tony Beck, Jamie Dowd, GA-DNR
- 9:20 am **GIS use in the Soque Watershed Assessment**
Duncan Hughes and Kevin Peyton. North Georgia Tech
- 9:40 am **Break**

Session 3: Fish Culture and Biology

Moderator- Bill Davin

- 10:00 am **Advances in culture methods of juvenile lake sturgeon *Acipenser fulvescens* using natural and artificial Diets**
**Shane Kornberg and Doug Peterson, UGA
- 10:20 am **Innovative, low-cost techniques for rearing two species of larval fishes in intensive culture**
**Laura Dobbins, Greg Muse, and Bill Davin, Berry College
- 10:40 am **North Georgia Tech Aquaculture Update**
**Jim Durham and Jeremy Pirkle. North Georgia Tech
- 11:00 am **Early life history and development of the silver chub (*Macrhybopsis storeriana*)**
**Anna Rahn and Bill Davin, Berry College
- 11:20 am **Biology of the Greenland Shark, *Somniosus microcephalus* (Bloch and Schneider, 1801)**
Aaron T. Fisk¹, M. Aaron MacNeill¹, Paul Vecsei¹, Jörundur Svavarsson², Margaret Treble³, Gregory B. Skomal⁴, and George W. Benz⁵: ¹UGA, ²Univ. of Iceland, ³Freshwater Institute, ⁴Mass. Division of Marine Fisheries, ⁵Tennessee State University
- 11:40 am **Fished to the Brink! Shifts in life history traits in response to fishing pressure and marine protected area.**
Cecil Jennings, US Geological Survey, GA Cooperative Fish and Wildlife Research Unit Warnell School of Forest Resources UGA
- 12:00 **Lunch**

Session 4: Rivers and Streams

Moderator – Scott Robinson

- 1:30 pm **Flathead catfish on both sides of the Chattahoochee: Alabama natives versus Georgia fugitives**
**Sakaris, P.C¹., E. R. Irwin¹, J. C. Jolley¹ and D. Harrison², ¹Auburn University, ² GA-DNR
- 1:50 pm **Preliminary Estimate of Shortnose Sturgeon Abundance in the Altamaha River.**
**Robert DeVries and Doug Peterson. UGA
- 2:10 pm **Fish habitat use and community structure in regulated and unregulated reaches of a large southeastern warmwater stream.**
**Colin P. Shea, UGA

- 2:30 pm **Efforts to Restore the Shoal bass Population (*Micropterus cataractae*)
in the Chattahoochee River downstream of Morgan Falls Dam.**
Chris Martin¹ and Jim Long², ¹GA-DNR, ²National Park Service
- 2:50 pm **Update: Ogeechee River Sturgeon Population Assessment and
Restoration Efforts**
Thomas D. Bryce, Tiffany E. Griggs, and Paige E. Moran, Fish and
Wildlife Branch , Environmental and Natural Resources Division, DPW
- 3:10 pm **Break**
- 3:30 pm **GA-AFS Business Meeting**
- 6:00 pm **Social Hour**
- 7:00 pm **Banquet**

Thursday, January 27, 2005

Session 5: Assessment and Restoration II Moderator – Jim Hakala

- 8:20 am **"Access"orizing Your Data**
Don Dennerline, UGA
- 8:40 am **Ecologically Significant Units: is the term still relevant?**
Cecil Jennings, UGA
- 9:00 am **Aquatic Ecosystem Restoration of the Chattahoochee River (The
Columbus Dam Removal Project)**
Brent Hess, GA-DNR
- 9:20 am **"Status of the Asian Swamp Eel at the Chattahoochee Nature Center
and adjacent marshes of the Chattahoochee River, GA."**
Reinert, T.R., C. A. Straight, and B.J. Freeman. UGA
- 9:40 am **Break**

Session 6: Management, and Coastal Fisheries Moderator David Higginbotham

- 10:00 am **An Aquatic Nuisance Species Management Plan for Georgia**
Ted Hendrickx, GA-DNR
- 10:20 am **Age and Growth of Two Sunfish Species in Reservoirs: Should All
Sunfish Be Treated Equally?**
Steve Sammons, Auburn University
- 10:40 am **"Peach State Reds Initiative"**
Spud Woodward GA DNR / Coastal Resources Division
- 11:00 am **"Status of the Blue Crab Fishery in Georgia"**
Doug Haymans, GA DNR / Coastal Resources Division
- 11:20 am **A Tale of Two Basins: Fish Distributions in Cobb County**
Bill Ensign(1), Adam Sukenick(2) and Erin Feichtner(2)
(1)Department of Biological and Physical Sciences Kennesaw State,
(2)Office of Environmental Compliance
- 11:40 am **Adjourn**
- Noon **Executive Committee Meeting**