Thursday, 13 November

8:15 — Welcome
Anna George, Tennessee Aquarium, Chattanooga, TN

8:20 — Desperate Dozen Introduction
Jim Williams, Florida Museum of Natural History, Gainesville, FL

Moderator: Nick Lang
8:30 — SFC Desperate Dozen: Alabama Sturgeon (Scaphirhynchus suttkusi)
Steven J. Rider, Travis R. Powell, Tom W. Ringenberg, Alabama Division of Wildlife and Freshwater Fisheries, Fisheries Section, Montgomery, AL, and Jeffrey R. Powell, U. S. Fish and Wildlife Service, Alabama Ecological Services Field Office, Daphne, AL

8:45 — SFC Desperate Dozen: Slender Chub (Erimystax cahni)
J. R. Shute, Melissa A. Petty, and Patrick L. Rakes, Conservation Fisheries, Inc., Knoxville, TN

9:00 — SFC Desperate Dozen: Chucky Madtom (Noturus crypticus)
Nicholas J. Lang, Division of Fishes, Field Museum of Natural History, Chicago, IL, Patrick L. Rakes, Conservation Fisheries Incorporated, Knoxville, TN, and J. R. Shute, Conservation Fisheries Incorporated, Knoxville, TN

9:15 — SFC Desperate Dozen: Alabama Cavefish (Speoplatyrhinus poulsoni)
Bernard R. Kuhajda, Department of Biological Sciences, University of Alabama, Tuscaloosa, AL

9:30 — SFC Desperate Dozen: Pygmy Sculpin (Cottus paulus)
Carol E. Johnston, Department of Fisheries, Auburn University, Auburn, AL

9:45 — SFC Desperate Dozen: Diamond Darter (Crystallaria cincotta)
Stuart A. Welsh, U.S. Geological Survey, West Virginia Cooperative Fish and Wildlife Research Unit, Morgantown, WV, Robert M. Wood, Department of Biology, Saint Louis University, St. Louis, MO, and Tim. L. King, U.S. Geological Survey, Leetown Science Center, Kearneysville, WV
10:00 to 10:30 — MORNING BREAK

Moderator: Mel Warren
10:30 — SFC Desperate Dozen: Vermilion Darter (*Etheostoma chermocki*)
Bernard R. Kuhajda, Department of Biological Sciences, University of Alabama, Tuscaloosa, AL, and Robert A. Stiles, Department of Biological & Environmental Sciences, Samford University, Birmingham, AL

10:45 — SFC Desperate Dozen: Relict Darter (*Etheostoma chienese*)
Matthew R. Thomas, Kentucky Department of Fish & Wildlife Resources, Frankfort, KY, Michael A. Floyd, U.S. Fish and Wildlife Service, Frankfort, KY, Kyle R. Piller, Southeastern Louisiana University, Hammond, LA, and Brooks M. Burr, Southern Illinois University, Carbondale, IL

11:00 — SFC Desperate Dozen: Bayou Darter (*Etheostoma rubrum*)
William T. Slack, Mississippi Museum of Natural Science, Jackson, MS, and Stephen T. Ross, Museum of Southwestern Biology, University of New Mexico, Albuquerque, NM

11:15 — SFC Desperate Dozen: Pearl Darter (*Percina aurora*)
Hank Bart, Tulane Museum of Natural History, Belle Chasse, LA and Todd Slack, Mississippi Museum of Natural Science, Jackson, MS

11:30 — SFC Desperate Dozen: Conasauga Logperch (*Percina jenkinsi*)
Anna L. George, Tennessee Aquarium, Chattanooga, TN, David A. Neely, Tennessee Aquarium Research Institute, Cohutta, GA, Megan Hagler, River Basin Center, University of Georgia, Athens, GA, and Byron J. Freeman, Georgia Museum of Natural History, University of Georgia, Athens, GA

11:45 — SFC Desperate Dozen: Spring Pygmy Sunfish (*Elassoma alabamae*)
Michael Sandel, Department of Biological Sciences, University of Alabama, Tuscaloosa, AL

12:00 to 1:00 — BOX LUNCH AT CONVENTION CENTER

Moderator: Duncan Elkins
1:00 — Comparative phylogeography of three imperiled darter species in the upper Coosa River system
Brady Porter, Jennifer Gabel, Shane Ritchea, Beth Dakin, Department of Biological Sciences, Duquesne University, Pittsburgh, PA, Casey Storey and Byron J. Freeman, Georgia Museum of Natural History, University of Georgia, Athens, GA

1:15 — **Phylogeography and conservation genetics of the federally threatened Slackwater Darter, *Etheostoma boschungi* **
Brook L. Fluker, Bernard R. Kuhajda, and Phillip M. Harris, Department of Biological Sciences, The University of Alabama, Tuscaloosa, AL
1:30 — Post-Katrina survey for the rare blackmouth shiner (*Notropis melanostomus*) in southern Mississippi: What has changed since 1995?
Martin T. O'Connell and Ann M. Uzee O'Connell, Pontchartrain Institute for Environmental Sciences, University of New Orleans, New Orleans, LA

1:45 — **The Effects of Rainbow Trout on Native Fishes in a Southern Appalachian Stream**
Duncan C. Elkins, Gary W. Sundin, Robert E. Ratajczak, Jr., Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA, and Megan S. Hill, Portland General Electric, Madras, OR, Gary D. Grossman, Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA

2:00 — Patterns of co-existence and hybridization among two topminnows (*Fundulus euryzonus* and *F. olivaceus*) in a riverine contact zone
Jacob F. Schaefer, Department of Biological Sciences, The University of Southern Mississippi, Hattiesburg, MS, Brian K. Kreiser, Department of Biological Sciences, The University of Southern Mississippi, Hattiesburg, MS, Charles Champagne, Department of Biological Sciences, The University of Southern Mississippi, Hattiesburg, MS, Paul M. Mickle, Department of Biological Sciences, The University of Southern Mississippi, Hattiesburg, MS, and David D. Duvernell, Department of Biology, Southern Illinois University Edwardsville, Edwardsville, IL

2:15 — The fish community of the Pearl River: A historical test of community persistence and stability
Aaron D. Geheber, Southeastern Louisiana University, Department of Biological Sciences, Hammond, LA, Henry L. Bart Jr., Tulane University Museum of Natural History, Belle Chasse, LA, and Kyle R. Piller, Southeastern Louisiana University, Department of Biological Sciences, Hammond, LA

2:30 to 3:00 — AFTERNOON BREAK

Moderator: Phil Bettoli

3:00 — Wrong place at the wrong time: illegal take of endangered pallid sturgeon in a commercial caviar fishery
Phillip W. Bettoli and Michelle Casto-Yerty, Tennessee Cooperative Fishery Research Unit, Tennessee Tech University, Cookeville, TN, George D. Scholten, Tennessee Wildlife Resources Agency, Nashville, TN, and Edward J. Heist, Southern Illinois University, Carbondale, IL

3:15 — Using occupancy to estimate population status of the Conasauga logperch *Percina jenkinsi*
Megan Hagler, River Basin Center, University of Georgia, Athens, GA, Mary Freeman, USGS Patuxent Wildlife Research Center, Athens, GA, and Bud Freeman, Georgia Museum of Natural History, University of Georgia, Athens, GA
3:30 — **Geographic and temporal aspects of mitochondrial replacement in the redline darter, *Nothonotus rufilineatus*
Benjamin P. Keck, Dept. of Ecology & Evolutionary Biology, University of Tennessee, Knoxville, TN, and Thomas J. Near, Dept. of Ecology and Evolutionary Biology, Yale University, New Haven, CT

3:45 — The Role of Sound Production in Aggressive and Courtship behavior of the pygmy sculpin, *Cottus paulus* (Cottidae)
Nicole C. Kierl and Carol E. Johnston, Department of Fisheries and Allied Aquaculture, Auburn University, Auburn, AL

4:00 to 5:00 — Southeastern Fishes Council Business Meeting.
All members and nonmembers interested in or even thinking about joining are encouraged to attend.

7:00 to 8:00 — Poster Session at the Tennessee Aquarium
Posters will remain up through the end of the social

8:00 to 10:00 — Social at the Tennessee Aquarium

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**Friday, 9 November**

Moderator: Rob Wood

8:00 — Phylogeography of *Percina nigrofasciata* (Percidae)
Malorie Hayes and Kyle Piller, Southeastern Louisiana University, Hammond, LA

8:15 — **The distribution and status of *Hybopsis amnis*: an analysis of patch occupancy from historical records
Michael C. Compton, Dept. of Natural Resources Management, Texas Tech University, Lubbock, TX, Matthew R. Thomas, Kentucky Dept. of Fish and Wildlife Resources, Frankfort, KY, and Brooks M. Burr, Department of Zoology, Southern Illinois University, Carbondale, IL

8:30 — Systematics and conservation status of the Arrow Darter, *Etheostoma sagitta* (Percidae: Litocara)
Matthew R. Thomas, Kentucky Department of Fish & Wildlife Resources, Frankfort, KY and Rebecca Blanton Johansen, Florida Museum of Natural History, Gainesville, FL

8:45 — **Molecular Systematics of the *Etheostoma* Subgenus Dortion: Genetic Divergence among Drainages within Mississippi
A. Karen Persons, Mac H. Alford, Department of Biological Sciences, The University of Southern Mississippi, Hattiesburg, MS, and William T. Slack, Mississippi Museum of Natural Science, Jackson, MS
9:00 — The Fish Community of Paddy Creek, 1922 – 2007.
Bryn H. Tracy, NC Division of Water Quality, Raleigh, NC

9:15 — **Mullet Mayhem: A taxonomic and systematic review of Southeastern US Mullets
Caleb D. McMahan, Christine Zeringue, and Kyle R. Piller, Southeastern Louisiana University, Department of Biological Sciences, Hammond, LA

9:30 — Phylogenetic Systematics, Life History, and Biogeography of the Crayfish Genus Cambarus (Decapoda: Cambaridae)
Casey B. Dillman and Robert. M. Wood, Department of Biology, Saint Louis University, St. Louis, MO

9:45 — Crayfish faunal regions and conservation planning in Mississippi
Susan B. Adams and Melvin L. Warren, Jr., USDA Forest Service, Southern Research Station, Oxford, MS

10:00 — 10:30 MORNING BREAK

Moderator: Darrin Hulsey
10:30 — Intensive, regular sampling and removal of large numbers of fishes shows no measurable impact on stream fish populations
Steven L. Powers, Roanoke College, Salem, VA

10:45 — **Phylogeographic analysis of the Barrens Darter, Etheostoma forbesi
Richard C. Harrington. Department of Ecology and Evolutionary Biology, Yale University, New Haven, CT

11:00 — The effect of spatial position within stream networks on population persistence of Tennessee Dace (Phoxinus tennesseensis)
Sean Holder and Carol Johnston, Auburn University, Department of Fisheries and Allied Aquacultures, Auburn, AL, and Jim Herrig, US Forest Service, Benton, TN

11:15 — Habitat use by larval and juvenile Cape Fear shiners (Notropis mekistocholas)
Andrew R. Henderson and Carol E. Johnston, Auburn University, Department of Fisheries and Allied Aquacultures, Auburn, AL

11:30 — If you rebuild it they will come: Okaloosa darter colonization in a restored stream
11:45 — Conservation planning for eight fish species on the Cumberland Plateau
Sean M. Blomquist, Hayden T. Mattingly, Trisha D. Johnson, Tennessee Technological University, Cookeville, TN, and Alexander J. Wyss, The Nature Conservancy, Knoxville, TN

12:00 to 1:15 — LUNCH ON OWN
-or- CUMBERLAND HCP MEETING (location TBA)

Moderator: Mary Freeman

1:15 — Discovery of Ammocrypta clara (western sand darter) in the upper Ohio River of West Virginia
Dan A. Cincotta, West Virginia Division of Natural Resources, Elkins, WV, and Stuart A. Welsh, U.S. Geological Survey, West Virginia Cooperative Fish and Wildlife Research Unit, Morgantown, WV

1:30 — Conservation status of the longhead darter, Percina macrocephala, in Kinniconick Creek, Kentucky
Audrey M. Richter, D. J. Eisenhour, and J. M. Schiering, Department of Biological and Environmental Sciences, Morehead State University, Morehead, KY

1:45 — Genetic characterization of the rock darter species complex, Etheostoma rupestrae (Teleostomi: Percidae)
Alexis M. Janosik, Department of Biological Sciences, Auburn University, Auburn, AL, and Carol E. Johnston, Department of Fisheries, Auburn University, Auburn, AL

2:00 — Phylogeny, biogeography, and species boundaries within the brook silverside (Atherinopsidae: Labidesthes sicculus)
Kyle R. Piller, Southeastern Louisiana University, Dept. of Biological Sciences, Hammond, LA, and Devin D. Bloom, University of Toronto, Dept. of Ecology and Evolutionary Biology, Toronto, ON, Canada

2:15 — Fluctuating asymmetry and condition in fishes exposed to varying levels of environmental stressors
Brianna C. Zuber, Tennessee Technological University, Cookeville, TN, and Jake F. Schaefer, Department of Biological Sciences, The University of Southern Mississippi, Hattiesburg, MS

2:30 — Habitat fragmentation and genetic population structure of three Etheosomatine darters in the Duck River, TN
Carys S. Kenway, Southeastern Louisiana University, Dept. of Biological Sciences, Hammond, LA, Rebecca Blanton Johansen, Florida Museum of Natural History, Gainesville, FL, and Kyle R. Piller, Southeastern Louisiana University, Dept. of Biological Sciences, Hammond, LA
2:45 — Temporal patterns of diversification and microendemism in Eastern Highland endemic barcheek darters (Percidae: Etheostomatinae)
Phillip R. Hollingsworth Jr., Department of Ecology and Evolutionary Biology, University of Tennessee Knoxville, TN, and Thomas J. Near, Department of Ecology and Evolutionary Biology, Yale University, New Haven, CT

3:00 to 3:30 — AFTERNOON BREAK

Moderator: Mollie Cashner

3:30 — Fishes of Georgia: Coming Soon to an Internet Connection Near You!!
Carrie A. Straight, Odum School of Ecology, University of Georgia, Athens, GA, Byron J. Freeman, Georgia Museum of Natural History, University of Georgia, Athens, GA, Brett Albanese, Georgia Department of Natural Resources, Social Circle, GA, and Mary C. Freeman, US Geological Survey, Patuxent Wildlife Research Center, University of Georgia, Athens, GA

3:45 — Constructional constraints in Lake Malawi cichlid and North American minnow heads
C. Darrin Hulsey, Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN, and Phillip R. Hollingsworth Jr., Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN

4:00 — Linville River Chubs: Prehistoric Interbasin Transfer or Stream Capture 101?
Edwin M. Scott, Jr., “Eddy Foundation”, Knoxville, TN

4:15 — Genetic and morphological variation in Notropis chlorocephalus (Greenhead Shiner): evidence for unrecognized diversity
Mollie F. Cashner, Tulane University, New Orleans, LA, Morgan E. Raley, and Wayne Starnes, North Carolina Museum of Natural Sciences, Raleigh, NC

4:30 — Morphological Phylogeny of Cavefishes
Jonathan W. Armbruster, Auburn University, Department of Biological Sciences, Auburn University, AL

4:45 — Estimating darter survival and temporary emigration in a Piedmont bedrock shoal during record low-flows
Rachel Katz, River Basin Center, University of Georgia, Athens, GA, and Mary Freeman, USGS Patuxent Wildlife Research Center, Athens, GA

**talks marked with asterisks are competitors for the Student Awards**
POSTERS

A selection of the crayfishes of Mississippi
Susan B. Adams, USDA Forest Service, Southern Research Station, Oxford, MS

Using snorkeling data to estimate detection probability and site occupancy for rare fishes: an example from the Toccoa River
Brett Albanese, William Pruitt, Katherine Owers, and Deborah Weiler. Nongame Conservation Section, Georgia Department of Natural Resources, Social Circle, GA

Research to Support Aquatic Conservation in Georgia
Greg Anderson, Amanda Neese, Nicole Pontzer, Megan Hagler, Carrie Straight, Rachel Katz, Jenny Pahl, Christina Baker, Seth Wenger, Bud Freeman, and Mary Freeman, University of Georgia, Athens, GA

Patterns of divergence and endemism in the Clinch and Duck rivers: data from the federally endangered Pygmy Madtom, Noturus stanauli (Siluriformes: Ictaluridae), and comparisons with other fishes
Micah G. Bennett and Robert M. Wood, Department of Biology, Saint Louis University, St. Louis, MO, J. Heath Howell and Bernard R. Kuhajda, Department of Biological Sciences, University of Alabama, Tuscaloosa, AL

**Ecology and Conservation of the Blackside Dace, Phoxinus cumberlandensis, a Threatened Stream Fish in Kentucky and Tennessee, USA
Tyler R. Black, Department of Biology, Tennessee Technological University, Cookeville, TN, Jason E. Detar, Pennsylvania Fish and Boat Commission, Fisheries Management Division, Bellefonte, PA, Brenna K. Jones, North Carolina Wildlife Resources Commission, Division of Inland Fisheries, Creedmoor, NC, and Hayden T. Mattingly, Department of Biology, Tennessee Technological University, Cookeville, TN

Slackwater darter habitat potential in the Flint River watershed
Jennifer Schade, Allison Bohlman, Heather Howell, Flint River Conservation Association, Huntsville, AL, and Dawn Lemke, Department of Natural Resources and Environmental Sciences, Alabama A&M University, Normal, AL

A Survey of Fishes of Rock Creek, Kentucky, with Emphasis on the Impact of Stocking Rainbow Trout on Native Fishes
Stephanie Brandt and Sherry Harrel, Department of Biological Sciences, Eastern Kentucky University, Richmond, KY

Population structure of the imperiled “Sicklefin Redhorse”
Beth Dakin, Mai Nguyen, and Brady Porter, Department of Biological Sciences, Duquesne University, Pittsburgh, PA
Life History Aspects of the Southern Studfish, *Fundulus stellifer* (Actinopterygii: Fundulidae) in North Georgia
Kerstin L. Edberg, Department of Biology, Western Kentucky University, Bowling Green, KY, and Steven L. Powers, Department of Biology, Roanoke College, Salem, VA

Habitat use of *Percina macrocephala* (longhead darter) in Kinniconick Creek, Kentucky
David J. Eisenhour, J. M. Schiering, and A. M. Richter, Department of Biological and Environmental Sciences, Morehead State University, Morehead, KY

Prioritization of habitat for conservation of *Etheostoma boschungi*
Carol E. Johnston and Andrew R. Henderson, Department of Fisheries, Auburn University, Auburn, AL

Tennessee Fish Collection: Strengths and Development
Jennifer Parris Joice, David Etnier, Tennessee Fish Collection, University of Tennessee, Knoxville, TN, and C. Darrin Hulsey, Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, TN

**A new species of *Nothonotus* darter from the Caney Fork River and paraphyly in its sister clade of *N. microlepidus* and *N. sanguifluus***
Benjamin P. Keck, Dept. of Ecology & Evolutionary Biology, University of Tennessee, Knoxville, TN and Thomas J. Near, Dept. of Ecology and Evolutionary Biology, Yale University, New Haven, CT

The Roebuck Spring fiasco in Birmingham, Alabama: Dam removal and dead Watercress Darters (*Etheostoma nuchale*)
Bernard R. Kuhajda and Brook L. Fluker, Department of Biological Sciences, Box 870345, University of Alabama, Tuscaloosa, AL

Mill Branch Stream Restoration for the Federally Threatened Blackside Dace (*Phoxinus cumberlandensis*) in Knox County, Kentucky
J. Brent Harrel, Michael A. Floyd, and Carrie L. Lona, U.S. Fish and Wildlife Service, Kentucky Ecological Services Field Office, Frankfort, KY

A comparison of the aquatic biodiversity in eastern hemlock dominated and hardwood dominated forest streams within eastern Kentucky
Aric J. Payne and Sherry Harrel, Department of Biological Sciences, Eastern Kentucky University, Richmond, KY

A 10 year monitoring plan for Spotfin chub in the Little Tennessee River, North Carolina: overview and results from the first two years
**Investigations into the Relationship between the Steroid Hormone 11-ketotestosterone and Reproductive Status in the Fish Lythrurus fasciolaris**
Jennifer L. Schade, Bruce W. Stallsmith, and Amy Bishop, Department of Biological Sciences, University of Alabama in Huntsville, Huntsville, AL

A comparative ecological study of two disjunct, congeneric species of darters in Kentucky: *Etheostoma kantuckeense* and *Etheostoma lawrencei*
Bjorn V. Schmidt and Scott Grubbs, Department of Biology, Western Kentucky University, Bowling Green, KY

A molecular genetic investigation of hybridization between *Etheostoma osburni* and *Etheostoma variatum* in the New River drainage

**Constructed microhabitat bundles for sampling fishes and crayfishes in Coastal Plain streams**
Melvin L. Warren, Jr., Center for Bottomland Hardwoods Research, Southern Research Station, USDA Forest Service, Oxford, MS, Andrew L. Sheldon, Crawfordville, FL, and Wendell R. Haag, Center for Bottomland Hardwoods Research, Southern Research Station, USDA Forest Service, Oxford, MS

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