

Poster Presentations

1. Environmental Drivers of American Eel (*Anguilla rostrata*) Recruitment to Northeast Florida

Jonathan B. Simmons (University of North Florida), Angelo Cantu (University of North Florida), Ava Allen (University of North Florida), Adam Mann (University of North Florida), Avi Stevens (University of North Florida), Morgan Lattomus (University of North Florida), Kelly Smith (Elmira College), Eric Johnson (University of North Florida)

2. Decadal Declines in Recruitment of American Eels (*Anguilla rostrata*) to a Northeast Florida Estuary

Kaylee M. Tallon (University of North Florida), Emily Cassidy (University of North Florida), Cassio DalMas (University of North Florida), Elijah Divine (University of North Florida), Morgan Lattomus (University of North Florida), Kelly Smith (Elmira College), Eric Johnson (University of North Florida)

3. Evaluation of Passage Efficiency and Migration of Striped Bass in Relation to a Modified Nature-Like Fish Swimway and Elevated Flows in the Cape Fear River

Gabrielle P. Shay (University of North Carolina Wilmington), Maggie Gaither (North Carolina Wildlife Resources Commission), Aaron Bunch (The Nature Conservancy), Troy Farmer (Clemson University), Frederick Scharf (University of North Carolina Wilmington)

4. Evaluating The Effects of Dams on A Riverine Food Web in Alabama, USA

Kate Norrid (Auburn University), Dennis DeVries (Auburn University), Rusty Wright (Auburn University), Matt Waters (Auburn University)

5. Fish Assemblage Response to Habitat Restoration, Including an Innovative Grade Control Structure Designed for Fish Passage, in a Headwater Stream of the Lower Mississippi Region

Alexandra M. Scott (University of Tennessee), Alejandro Molina-Moctezuma (University of Tennessee), Augustin C. Engman (University of Tennessee), Kayla N. Key (West Tennessee River Basin Authority)

6. Can Beaver Dam Analogs Provide a Rapid and Cost-Effective Method for Restoring Streams in the Southeastern US?

Emily B. Gillikin (Appalachian State University), Michael Gangloff (Appalachian State University), Grant Buckner (Foothills Conservancy)

7. Nothing Fishy about the Bonnet Carré Spillway

Howard Dunleavy (Louisiana State University), Paul Miller (Louisiana State University), John White (Louisiana State University), Michael Dance (Louisiana State University), Stephen Midway (Louisiana State University)

8. Species Distribution and Habitat Characteristics in Freshwater Streams of the U.S. Virgin Islands

Jacob T. Laurain (Clemson University), Brandon K. Peoples (Clemson University), Sean P. Kelly (U.S. Fish and Wildlife Service)

9. The Impact of Limestone Treatment on Fish Communities in AMD-Affected Watersheds

Madison G. Jones (Fairmont State University), Kelley Flaherty (Fairmont State University)

10. Water Weeds: A New Resource for Aquatic Plant Management

J. Wesley Neal (Mississippi State University), Gray Turnage (Mississippi State University), Dennis Riecke (Mississippi Department of Wildlife, Fisheries & Parks)

11. Larval Fish Community in the Great Pee Dee River

Caroline M. Lucas (Francis Marion University), Timothy Shannon (Francis Marion University), Jason Doll (Francis Marion University)

12. Exploring Species Richness in South Carolina's Low Country

Catherine A. Masatani (Clemson University), Brandon Peoples (Clemson University), Zanethia Barnett (United States Forest Service)

13. Optimizing Sampling Designs for Rare Stream Fishes: A Simulation-Based Approach for Estimating Spotfin Chub Abundance

Avery M. Davis (Tennessee Technological University), Kit Wheeler (Tennessee Technological University), Allison Keever (Tennessee Technological University)

14. Carolina Conundrum - Conserving the Carolina Madtom in North Carolina

Amber Olson (North Carolina Wildlife Resources Commission), Michael Fisk (North Carolina Wildlife Resources Commission), Michael Walter (North Carolina Wildlife Resources Commission)

15. *Alloglossidium progeneticum* (Trematoda: Macroderoididae): A Parasitic Trematode of Native and Invasive Crayfish in an Urban Watershed

Tyler K. Bulot (Georgia Gwinnett College), Riccardo Fiorillo (Georgia Gwinnett College), Peter Sakaris (Georgia Gwinnett College)

16. Dissemination of Carbapenem Resistant Enterobacteriaceae (CRE) in Fish Guts from Three Urban Rivers

Kenneth L. De Leon (Clemson University)

17. Critical Thermal Maximum of Mussels in an Intermittent South Central Plains Ecoregion Watershed

Eli P. Schmidt (Arkansas Tech University), Zach R. Crain (Arkansas Tech University), Aaron A. Brady (Arkansas Tech University), Kyler B. Hecke (Arkansas Tech University)

18. Quantifying Freshwater Mussel Biofiltration in a Flow-Through System.

Matthew D. Maguire (North Carolina State University), Sean B. Buczek (North Carolina State University), Chris B. Eads (North Carolina State University)

19. Beta Diversity of Mussel Assemblages in Tributary Systems of the South Central Plains Ecoregion in Arkansas

Zachary Crain (Arkansas Tech University), Kyler Hecke (Arkansas Tech University), Kendall Moles (Arkansas Game and Fish Commission)

20. Distribution and Abundance of Mussels in Two Intermittent Streams of the Arkansas Valley Ecoregion

Aaron Brady (Arkansas Tech University), Kyler B. Hecke (Arkansas Tech University), Zach Crain (Arkansas Tech University), Seth Drake (The Ohio State University), Kendall Moles (Arkansas Game and Fish Commission)

21. Restoring Lost Diversity: A Comprehensive Approach to Mussel Fauna Reintroduction in Abrams Creek, Great Smoky Mountains National Park

Caleb M. Moses (University of Tennessee), Gus Engman (University of Tennessee), Gerry Dinkins (University of Tennessee), Matt Kulp (National Park Service)

22. Freshwater Mussels of the Hatchie River: Distribution, Composition, and Abundance

Katelynn M. Sallack (Tennessee Tech University), Kayla N. Key (West Tennessee River Basin Authority), Kristin Irwin Womble (Tennessee Tech University), Amanda Rosenberger (Tennessee Tech University)

23. Seeing Scars: Dive Into the Scars and Skin Conditions of Pacific Coast Feeding Group Gray Whales

Serina L. Lane (Georgia Gwinnett College), Natalie Chazal (Oregon State University), Leigh Torres (Oregon State University)

24. An Ecological Characterization of Juvenile Tarpon and Snook Nursery Habitat in Texas

Isabel M. Tiller (Texas A&M University-Corpus Christi), Matthew Streich (Texas A&M University-Corpus Christi)

25. Seascape Genomics of Eastern Oyster (*Crassostrea virginica*) in and around Beaufort Inlet, North Carolina

Molly M. Honecker (Duke University), Henry Sun (Duke University), Jilly Senk (Duke University), Ben Peed (Duke University), Juliet Wong (Nicholas School of the Environment, Duke University), Thomas Schultz (Nicholas School of the Environment, Duke University)

26. Population Assessment of the Invasive Weather Loach in the Sweetwater Creek Watershed at Club Drive Park, Gwinnett County, Georgia

Melissa A. Berry-Shelton (Georgia Gwinnett College), Peter C. Sakaris (Georgia Gwinnett College)

27. Trophic Dynamics of an Expanding Population of Blue Catfish in Albemarle Sound, North Carolina

Nolen Vinay (University of North Carolina Wilmington), Cami Miller (East Carolina University), James W. Morley (East Carolina University), Frederick S. Scharf (University of North Carolina Wilmington)

28. Assessing the Susceptibility of a Newly Discovered Barrens Topminnow (*Fundulus julisia*) Population to Western Mosquitofish (*Gambusia affinis*) Invasion

Kirsten N. Humphries (Tennessee Tech University), Kit Wheeler (Tennessee Tech University)

29. Evaluating Alternative Management Strategies for Black Crappie in Lake Murray, South Carolina

Jessie B. Kriner (Clemson University), Jason Bettinger (South Carolina Department of Natural Resources), Conner Owens (South Carolina Department of Natural Resources), Shari L. Rodriguez (Clemson University), Troy M. Farmer (Clemson University)

30. Measuring Management Intensity of State-Managed Marine and Coastal Fisheries

Apria N. Valenza (University of North Carolina at Wilmington), Frederick Scharf (University of North Carolina at Wilmington)

31. Building a West Texas Fishery from the Ground Up

Michael D. Homer Jr. (Texas Parks & Wildlife Department, Inland Fisheries Division)

32. Preliminary Assessment of Fish Assemblages in Natural Wetlands, NRCS Easement Wetlands, and Agricultural Ditches in the Mississippi Alluvial Valley of Arkansas

Benjamin S. Johnson (University of Arkansas at Pine Bluff), Michael A. Eggleton (University of Arkansas at Pine Bluff), Erin E. Thayer (University of Arkansas at Pine Bluff)

33. Spatial Variation in Young-Of-Year Brook Trout Body Size Across Their Native Range

Sean Ingram (Colorado Parks and Wildlife), Yoichiro Kanno (Colorado State University), Mevin B. Hooten (University of Texas Austin), Jacob Rash (North Carolina Wildlife Resources Commission)

34. Habitat Use and Spawning in Walleye (*Sander vitreus*) in Watts Bar Reservoir, Tennessee

Brittany M. Graham (University of Tennessee – Knoxville), Joey Root (Tennessee Wildlife Resources Agency), Mike Jolley (Tennessee Wildlife Resources Agency), Lisa K. Izzo (University of Tennessee – Knoxville)

- 35. Analysis of Spawning Characteristics of Crappie Within Kentucky Lake**
Emily A. Freeman (Murray State University), Timothy Spier (Murray State University)
- 36. Depth Patterns of Redear Sunfish *Lepomis microlophus* in Kentucky Lake**
Justin Graben (Murray State University), Timothy Spier (Murray State University)
- 37. Monitoring and Prevalence of Visual Stressors in Two Tidal Largemouth Bass Fisheries**
Ryan A. Gary (Maryland Department of Natural Resources)
- 38. Evaluation of Hole-Punching Operculums as a Marking Technique in Centrarchids**
Shelby E. Jeter (Oklahoma Department of Wildlife Conservation), Alexis Whiles (Oklahoma Department of Wildlife Conservation), Doug Zentner (Oklahoma Department of Wildlife Conservation), Richard Snow (Oklahoma Department of Wildlife Conservation)
- 39. Accuracy and Precision of Scales and Dorsal Spines to Age Coastal Striped Bass**
De'Asia L. Hill (Francis Marion University), Jason Doll (Francis Marion University)
- 40. Pondside Tanks as an Alternative Rearing Approach for Striped Bass Larvae**
Erimi Kendrick (North Carolina State University), Brendan Leibert (North Carolina State University), Benjamin Reading (North Carolina State University)
- 41. Incorporating Environmental Effects Into Stock Assessment: A Case Study Using Spotted Seatrout**
Manuel E. Coffill-Rivera (University of South Alabama), Jason M. Cope (NOAA Fisheries), John Mareska (Alabama Department of Conservation and Natural Resources), Sean P. Powers (University of South Alabama)
- 42. Patterns of Larval Fish Assemblage Structure Across a Regulated River**
Madison Niles (Clemson University), Luke Bower (South Carolina Cooperative Fish & Wildlife Research Unit)
- 43. Comparing Aqueous Environmental DNA Metabarcoding to Sediment-Bound Environmental DNA Metabarcoding in Sand-Dominated Freshwater Systems**
Eduardo Toala-Hidalgo (Tennessee Tech University), Tony Kumentis (Tennessee Tech University), Robert T. R. Paine (Tennessee Tech University), Kit Wheeler (Tennessee Tech University), Amanda Rosenberger (Tennessee Tech University)
- 44. Sampling Gear Effects on Estimates of Aquatic Insect Abundance and Diversity in a Southeastern River System**
A. Henry Gasperecz (Louisiana State University), Michael D. Kaller (Louisiana State University)