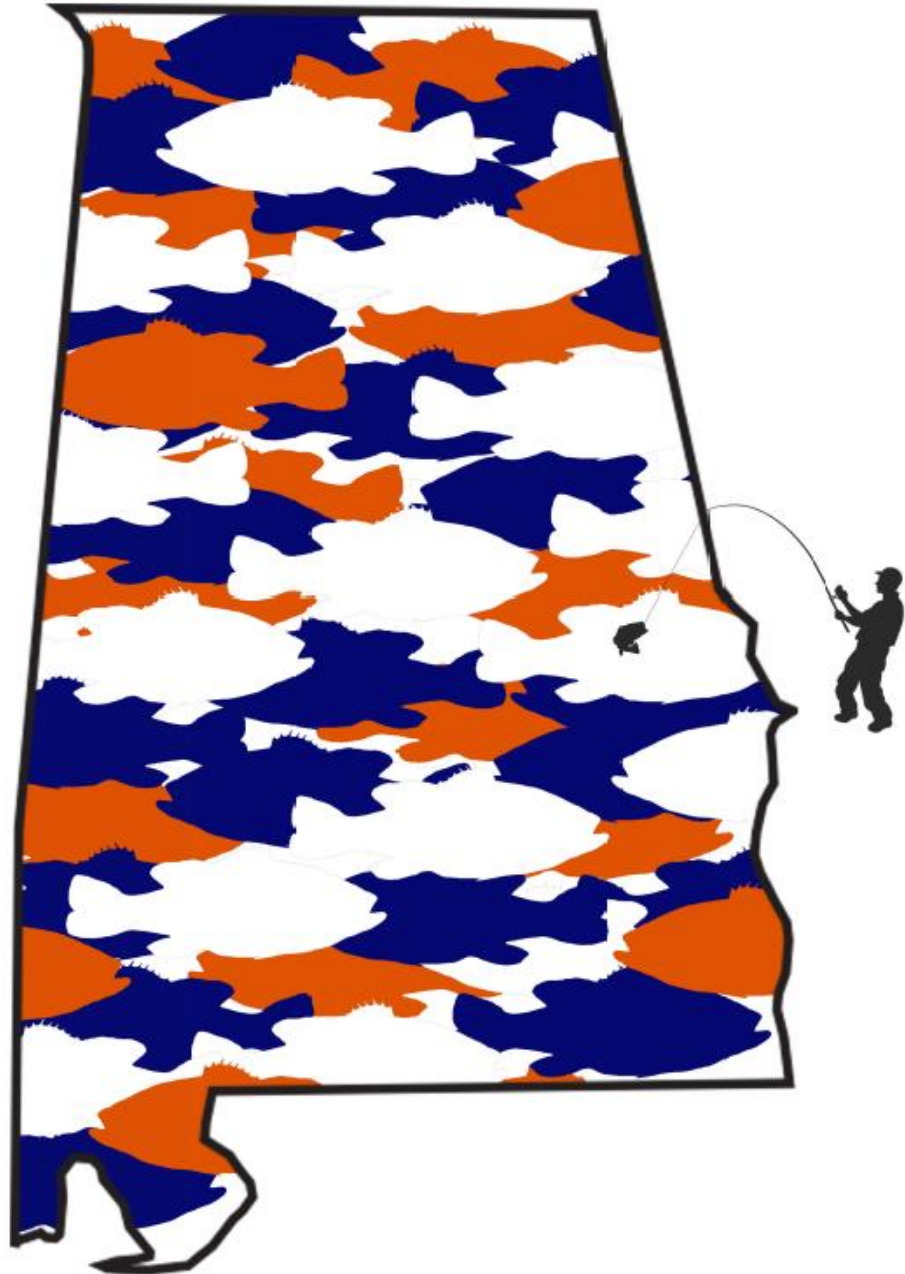


ALABAMA FISHERIES ASSOCIATION

34th ANNUAL MEETING



JANUARY 30 – FEBRUARY 1, 2018
E.W. SHELL FISHERIES CENTER • AUBURN, AL

2017-2018 AFA OFFICERS & COMMITTEES

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MEETING SCHEDULE

Tuesday, January 30, 2018

- 11:00 AM **Registration Opens**
(Light Hors d'oeuvres Provided)
- 1:00 PM **Welcome and Opening Remarks**
Cal Johnson, AFA President and Kyle Bolton, AFA President-Elect

SESSION 1

BIODIVERSITY & BIOMONITORING

Moderators: Cal Johnson, Alabama Dept. of Environmental Management
Stuart McGregor, Geological Survey of Alabama

- 1:10 **AN UPDATED REPORT ON THE DISTRIBUTION AND CONSERVATION STATUS OF THE ALABAMA CRAYFISH FAUNA**
Rebecca A. Bearden, Ecosystems Investigations Program, Geological Survey of Alabama, Tuscaloosa, AL, rbearden@gsa.state.al.us.
- 1:30 **A CURRENT ASSESSMENT OF THE TUSCUMBIA DARTER POPULATION IN THE TENNESSEE RIVER SYSTEM OF NORTH ALABAMA**
Parker Nenstiel, Ecosystems Investigations Program, Geological Survey of Alabama, Tuscaloosa, AL, pnenstiel@gsa.state.al.us.
- 1:50 **CURRENT STATUS AND DISTRIBUTION OF THE FLATTENED MUSK TURTLE AND BLACK WARRIOR WATERDOG**
A. Joseph Jenkins, Alabama Natural Heritage Program, Department of Biological Sciences, Auburn University, Auburn, AL, ajj0012@auburn.edu.
- 2:10 **NOTES ON RECENT DISTRIBUTION RECORDS FOR A FEW RARE TENNESSEE RIVER FISHES**
Stuart W. McGregor for Jeffrey W. Simmons, Tennessee Valley Authority, Knoxville, TN, jwsimmons0@tva.gov.
- 2:30 **Break**

- 2:50 **PARASITE COMMUNITIES WITHIN AN INVASIVE SNAIL
(*POMACEA MACULATA*) IN THREEMILE CREEK, MOBILE,
ALABAMA**
Annie Slayton, Biology Department, Jacksonville State University, Jacksonville, AL,
aslayton@stu.jsu.edu.
- 3:10 **IS BIOMONITORING AN EFFECTIVE TOOL TO AID IN
ASSESSING WATER QUALITY AND SPECIES RECOVERY?**
Cal C. Johnson, Alabama Department of Environmental Management, Decatur, AL,
cal.johnson@adem.alabama.gov.
- 3:30 **HISTORICAL AND CURRENT EXAMINATION OF FRESHWATER
MUSSELS (UNIONIDAE) IN THE PAINT ROCK RIVER SYSTEM,
JACKSON, MADISON, AND MARSHALL COUNTIES, ALABAMA**
Todd B. Fobian, Michael L. Buntin, Jesse T. Holifield, Thomas A. Tarpley, Jeffrey T.
Garner, and Paul D. Johnson, Wildlife and Freshwater Fisheries Division, Alabama
Department of Conservation and Natural Resources, Marion, AL,
todd.fobian@dcnr.alabama.gov.
- 3:50 **INTRA AND INTERSPECIFIC DIFFERENCES IN THERMAL
TOLERANCE AMONG FRESHWATER MUSSELS OF ALABAMA
AND TEXAS**
Jim Stoeckel, Auburn University School of Fisheries, Aquaculture and Aquatic Sciences,
Auburn, AL, jimstoeckel@auburn.edu.
- 4:10 **SURVIVABILITY OF MUSSELS, INCLUDING A FEDERALLY
LISTED SPECIES, AT POINT A RESERVOIR DURING A 14 WEEK
DRAWDOWN**
Jonathan M. Miller, Department of Biological & Environmental Science, Troy
University, Troy, AL, jmmiller@troy.edu.
- 6:00 **Social**
North Fisheries Pavilion
(See attached map for directions)

Wednesday, January 31, 2018

- 7:30 – 4:00 **Registration**
- 7:30 - 8:30 **Breakfast**
(Continental Breakfast Provided)

8:00 – 5:00 **Electrofishing Principles & Techniques Course**
(Pre-registration required)

SESSION 2 AQUACULTURE

Moderator: David Cline, Alabama Cooperative Extension System

- 8:30 **COMPARATIVE EFFECT OF ADVANCED SOY PRODUCT OR CORN PROTEIN CONCENTRATE WITH PORCINE MEAL ON THE GROWTH, BODY COMPOSITION AND DISTAL INTESTINE HISTOLOGY OF FLORIDA POMPAÑO *TRACHINOTUS CAROLINUS***
Romi Novriadi, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, Auburn, AL, rzn0027@auburn.edu.
- 8:50 **CATFISH INDUSTRY UPDATE**
Terry Hanson, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, Auburn, AL, trh0008@auburn.edu.
- 9:10 **EVALUATING VARIABLE SURVIVAL AND PRODUCTION ON INLAND LOW SALINITY SHRIMP FARMS USING COMMERCIAL RESEARCH DEMONSTRATIONS**
Luke Roy, Alabama Cooperative Extension System, Auburn University, Auburn, AL, royluke@auburn.edu.
- 9:30 **SHRIMP NUTRITION - UTILIZATION OF CRYSTALLINE AMINO ACIDS IN DIETS OF PACIFIC WHITE SHRIMP**
Anneleen Swanepoel, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, Auburn, AL, azs0162@auburn.edu.
- 9:50 **Break**
- 10:10 **THE STATUS OF ALABAMA'S INLAND SHRIMP INDUSTRY**
Greg Whitis, Alabama Cooperative Extension System, Auburn University, Auburn, AL, whitign@auburn.edu.
- 10:30 **IN POND RACEWAYS**
Letecia Fantini, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, Auburn, AL, lef0022@auburn.edu.

- 10:50 **AQUACULTURE – “TELLING OUR STORY”**
David Cline, Alabama Cooperative Extension System, Auburn University, Auburn, AL,
clinedj@auburn.edu.
- 11:10 **UPDATE ON GSCC AQUACULTURE PROGRAM**
Hugh Hammer, Aquaculture Education and Development Center, Gadsden State
 Community College, Gadsden AL, hhammer@gadsdenstate.edu.
- 11:30 **Lunch** (on your own)

SESSION 3 COASTAL RESOURCES

Moderator: Lacey Leaptrott, Alabama Dept. of Environmental Management

- 1:00 **OYSTER REEF RESTORATION IN ALABAMA**
Jason Herrmann, Marine Resources Division, Alabama Department of Conservation and
 Natural Resources, Dauphin Island, AL, jason.herrmann@dcnr.alabama.gov.
- 1:20 **ASSESSING RED DRUM MORTALITY VIA ACOUSTIC TAGGING
 IN ALABAMA**
T. Reid Nelson and Sean P. Powers, Department of Marine Sciences, University of South
 Alabama, Mobile, AL, Tnelson@disl.org.
- 1:40 **ALABAMA’S ARTIFICIAL REEF PROGRAM: PAST, PRESENT,
 AND FUTURE**
Craig Newton, Marine Resources Division, Alabama Department of Conservation and
 Natural Resources, Dauphin Island, AL, craig.newton@dcnr.alabama.gov.
- 2:00 **GRAY TRIGGERFISH MOVEMENT PATTERNS, RESIDENCY
 AND MORTALITY ON ARTIFICIAL REEFS IN THE NORTHERN
 GULF OF MEXICO.**
Megan K. McKinzie and Stephen T. Szedlmayer, School of Fisheries, Aquaculture and
 Aquatic Sciences, Auburn University, Fairhope, AL, mkm0044@auburn.edu.
- 2:20 **Break**
- 2:40 **ESTIMATING RED SNAPPER EXPLOITATION RATES USING A
 HIGH-REWARD TAG-RECAPTURE APPROACH: INSIGHTS INTO
 THE ALABAMA RED SNAPPER FISHERY**
Dana Sackett, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn
 University, Auburn, AL, dks0017@auburn.edu.

- 3:00 **MORTALITY ESTIMATES FOR RED SNAPPER, *LUTJANUS CAMPECHANUS*, BASED ON ACOUSTIC TELEMETRY AND CONVENTIONAL TAGGING IN THE NORTHERN GULF OF MEXICO**
Peter A. Mudrak and Stephen T. Szedlmayer, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, Fairhope, AL, Pam0007@auburn.edu.
- 3:20 **ESTIMATING REEF FISH ABUNDANCE IN THE ALABAMA ARTIFICIAL REEF PERMIT ZONE**
Sean P. Powers and Crystal LouAllen-Hightower, Department of Marine Sciences, University of South Alabama, Mobile, AL, Spowers@disl.org.
- 3:40 **REVIEW OF RECENT CHANGES IN RED SNAPPER MANAGEMENT**
Craig Newton, Marine Resources Division, Alabama Department of Conservation and Natural Resources, Dauphin Island, AL, craig.newton@dcnr.alabama.gov.
- 6:00 **Banquet**
 ALFA Pavilion
 (See attached map for directions)

Thursday, February 1, 2018

- 7:30 - 8:00 **Breakfast**
 (Continental Breakfast Provided)

**SESSION 4
 LAKES & RESERVOIRS**

Moderator: Damon Abernethy, Wildlife & Freshwater Fisheries Division, Alabama Dept. of Conservation and Natural Resources

- 8:00 **ALABAMA RESERVOIRS --- THE GOOD, THE BAD, AND THE UGLY**
Jim Howard, Alabama B.A.S.S. Nation, alcondir@aol.com.
- 8:20 **INTER-RESERVOIR DIFFERENCES OF CRAPPIE COMPLICATE MANAGEMENT**
Nathan Hartline, Wildlife & Freshwater Fisheries Division, Alabama Dept. of Conservation and Natural Resources, nathan.hartline@dcnr.alabama.gov.

- 8:40 **DEVELOPMENT OF THE SPORTFISH COMMUNITY IN ALABAMA’S NEWEST RESERVOIR, DUCK RIVER, CULLMAN COUNTY**
Jay Haffner, Chris McKee, Katie Brown, Wildlife & Freshwater Fisheries Division, Alabama Dept. of Conservation and Natural Resources, jay.haffner@dcnr.alabama.gov, and Tim Scott, City of Cullman.
- 9:00 **THE RECRUITMENT DYNAMICS OF LARVAL STRIPED BASS AND SKIP JACK HERRING IN WHEELER RESERVOIR.**
Anthony S. Overton, Howard College of Arts and Science, Samford University, Birmingham, AL, aoverton@samford.edu.
- 9:20 **SHORELINE ROTENONE APPLICATION TO CONTROL LARGEMOUTH BASS RECRUITMENT IN SMALL IMPOUNDMENTS**
Tyler Coleman, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, Auburn, AL, tsc0018@auburn.edu.
- 9:40 **DENSITY AND DISTRIBUTION OF PELAGIC FISH IN ALABAMA RESERVOIRS AND ASSESSING CALORIC DENSITY DIFFERENCES BETWEEN BLUEBACK HERRING AND THREADFIN SHAD**
Ryan Bart, School of Fisheries, Aquaculture and Aquatic Sciences, Auburn University, Auburn, AL, rjb0043@tigermail.auburn.edu.
- 10:00 **Break**

SESSION 5

WATERSHED MANAGEMENT & PROTECTION

Moderator: Eve Brantley, Alabama Cooperative Extension System

- 10:20 **RESTORATION OF TOWN CREEK, JASPER ALABAMA: CULTURAL, BIOLOGICAL, AND HABITAT BENEFITS**
Pat O’Neil, Geological Survey of Alabama, Tuscaloosa, AL, poneil@gsa.state.al.us.
- 10:40 **THE IMPORTANCE OF SITE SPECIFIC REGIONAL CURVES**
Zachary Wilbanks, PE, Wilbanks Engineering & Environmental Solutions, LLC, Birmingham, AL, zach@wilbankseng.com.

- 11:00 **DROUGHT IMPACTS AND ECOLOGICAL BENCHMARKS**
Eric Bauer, Department of Biological Sciences, Auburn University, Auburn, AL, efb0005@tigermail.auburn.edu, and Brian Helms, Department of Biological and Environmental Sciences, Troy University, Troy, AL, helmsb@troy.edu.
- 11:20 **CONSIDERING LONG-TERM STREAM STABILITY AND INFRASTRUCTURE PROTECTION**
Dan Ballard, ASLA, PLA, Watershed Management Division, City of Auburn, Auburn, AL, dballard@auburnalabama.org and Dustin Kimbrow, Watershed Coordinator, City of Auburn, dkimbrow@auburnalabama.org.
- 11:40 **FUTURE WATERSHED RESTORATION PROJECTS OF NEED OR CONSIDERATION**
Eve Brantley, Department of Crop, Soil and Environmental Sciences, Alabama Cooperative Extension System, Auburn University, Auburn, AL, brantef@auburn.edu.
- 12:00 **Business Meeting and Grand Raffle**
(Lunch provided)
- 2:00 **Adjourn**