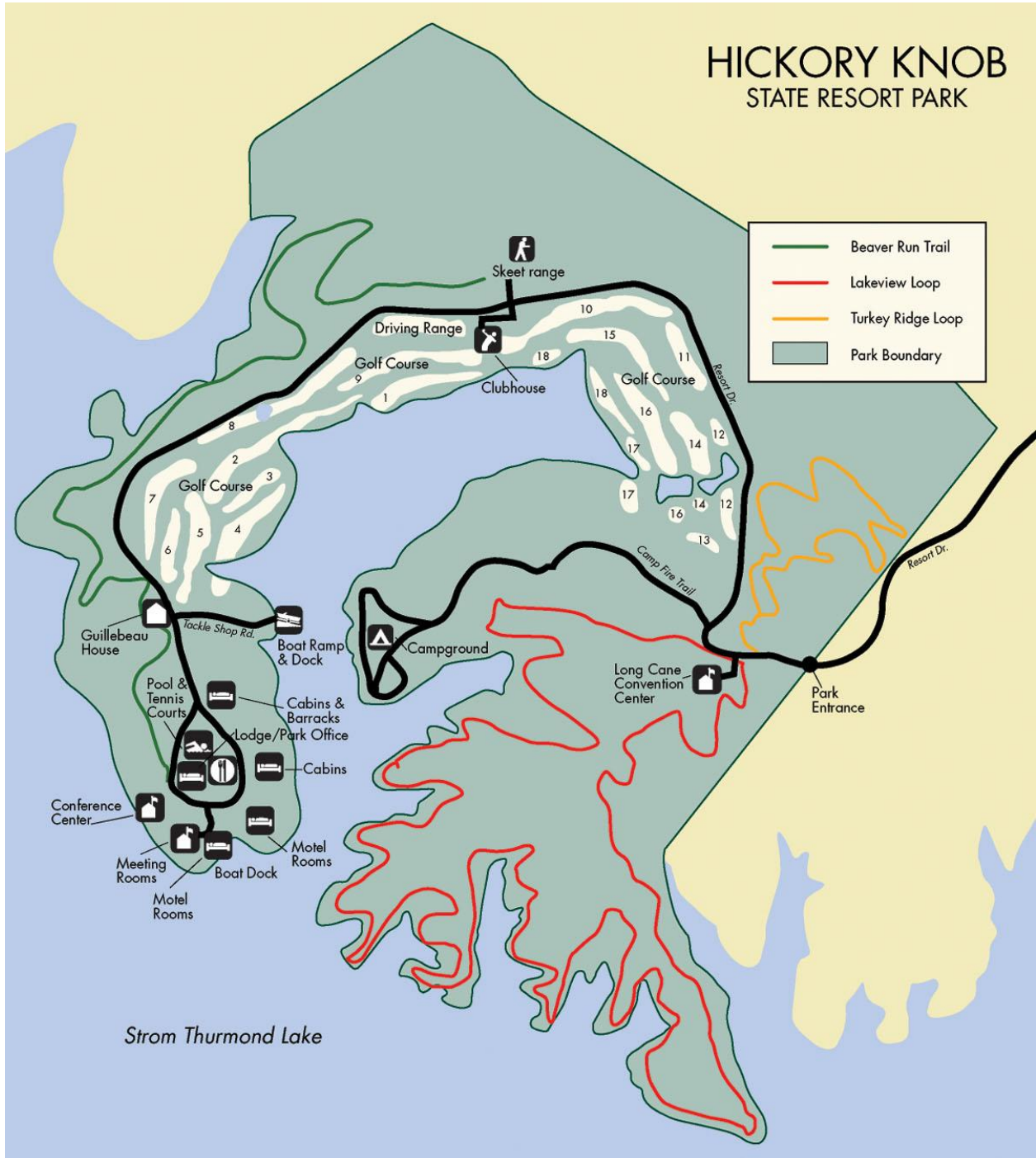


30th Annual Meeting
Of The
South Carolina Chapter-American Fisheries Society
And The
South Carolina Fisheries Worker's Association

Hickory Knob State Park
McCormick, SC
January 30-February 1, 2013

HICKORY KNOB STATE RESORT PARK



SCHEDULE-AT-A-GLANCE

Wednesday January 30th

11:00-5:00 pm	Registration/Check-in The Hickory Knob Convention Center
1:00-2:20 pm	Session 1 – Convention Center
2:20-2:40 pm	Break
2:40-4:40 pm	Session 2 – Convention Center
6:30-9:00 pm	Dinner – Park Lodge
7:00-9:00 pm	Welcome Reception –Park Lodge – cash bar

Thursday January 31st

7:00-10:00 am	Breakfast – Park Lodge
8:30-10:10 am	Session 3 – Convention Center
10:10-10:40 am	Break
10:40-12:00 pm	Session 4 – Convention Center
12:00-1:20 pm	Lunch – Convention Center
1:20-2:40 pm	Session 5 – Convention Center
2:40-3:00 pm	SCFWA Business Meeting – Convention Center
3:00-4:30 pm	SCAFS Business Meeting followed by 2014 SDAFS planning meeting -Convention Center
4:30-5:30 pm	Poster Session – Convention Center
5:30-6:30 pm	Oyster Roast – Outdoor amphitheater
6:30-8:00 pm	Cook-out – Outdoor amphitheater
8:00-11:00 pm	Social/raffle – Outdoor amphitheater

Friday February 1st

7:00-10:00 am	Breakfast – Park Lodge Check-out – Park Lodge
8:30-9:50 am	Session 6 – Convention Center
9:50-10:10 am	Break
10:10 -11:30 am	Session 7 – Convention Center
11:30 am	Closing Remarks

Wednesday January 30th

Session 1

Moderator: Shane Boring

- 1:00-1:20 Response of Summer Habitat for Striped Bass in Lake Greenwood, South Carolina to Weather and Phosphorus Loading. Barbara E. Taylor, James S. Bulak and Henry N. McKellar. SCDNR-WFF.
- 1:20-1:40 Striped Bass, *Morone saxatilis*, Identified as New Host for a Parasite of Public Health Concern in South Carolina. Michelle Taliercio¹, Tanya Darden¹ and Isaure de Buron². ¹SCDNR-MRRI, ²College of Charleston
- 1:40-2:00 Determining Effective Management Steps to Correct Over-Populated Largemouth Bass Populations in Small Impoundments. C. Wade Bales. Quality Lakes, Inc.
- 2:00-2:20 Forecasting the Biological Condition of Southeastern Coastal Plain Streams: Implications for Aquatic Community Conservation. Cathy Marion¹, Mark Scott¹ and Samuel Esswein². ¹SCDNR-Stream Team, ²Clemson University

Session 2

Moderator: Karl Brenkert

- 2:40-3:00 Stock Enhancement of a Marine Coastal Migratory Pelagic Cobia (*Rachycentron canadum*) in Port Royal Sound. Michael R Denson, Karl Brenkert, Justin Yost, Matt Perkinson, Matt Walker and Tanya Darden. SCDNR-MRRI
- 3:00-3:20 Benefits of Cooperative Research Programs: Examples from Port Royal Sound. David Harter. Hilton Head Reef Foundation
- 3:20-3:40 Pacific Sailfish: Preliminary Findings of a Satellite Pop-Tag Study from Costa Rica. Virginia Shervette. USC-Aiken.
- 3:40-4:00 Global Population Genetics of Cobia and Potential Implications for Offshore Marine Aquaculture Operations. Maggie Jamison, Justin Yost, Karl Brenkert, Tanya Darden and Michael R. Denson. SCDNR-MRRI
- 4:00-4:20 Stomach Content Analysis and Observations on the Food Habits of Two Reef-Associated Fishes in the South Atlantic Bight. Sarah Goldman, Shelly M. Falk and Dawn M. Glasgow. SCDNR-MRRI
- 4:20-4:40 Status of the Red Porgy (*Pagrus pagrus*) Population after One Decade of Intensive Fisheries Management -- the Rebound is Still Slow. David Wyanski, Kevin J. Kolmos, Paulette P. Mikell, Joseph C. Ballenger, S. Michelle Pate and Stephen A. Long. SCDNR-MRRI

Thursday January 31st

Session 3

(Student competition)

Moderator: Tanya Darden

- 8:30-8:50 Mercury Bioaccumulation in the Longnose Gar (*Lepisosteus osseus*): A Model Species for Examining Patterns of Hg Uptake Along a Salinity Gradient. Meredith Smylie¹ and Virginia Shervette². ¹College of Charleston, ²USC-Aiken
- 8:50-9:10 Trophic Ecology of an Estuarine Predatory Fish Community in South Carolina Assessed by Stable Isotope Analysis. Ashley Shaw¹, Bryan Frazier² and Gorka Sancho¹. ¹College of Charleston, ²SCDNR-MRRI
- 9:10-9:30 Effects of Cold Winters on the Genetic Diversity of Spotted Seatrout (*Cynoscion nebulosus*) in Charleston Harbor, SC. Tim O'Donnell¹, Tanya Darden² and Michael R. Denson². ¹College of Charleston, ²SCDNR-MRRI
- 9:30-9:50 Management and Monitoring Efforts of American Shad (*Alosa sapidissima*) in the Santee-Cooper River Basin. Pam Corwin. The Citadel-Bonneau, SCDNR-Dennis Center
- 9:50-10:10 Past and Present Genetic Structure of Striped Bass (*Morone saxatilis*) in the Carolinas. Andrew Anderson¹, Tanya Darden² and Michael R. Denson². ¹College of Charleston, ²SCDNR-MRRI

Session 4

(Student competition)

Moderator: Marcel Reichert

- 10:40-11:00 Community Structure of Demersal Temperate Reef Fish as a Function of Reef Age and Fishing Pressure: Case Study Using Low-Relief Artificial Reefs in South Carolina. Carly Altizer¹, Joseph C. Ballenger² and Bob Martore². ¹College of Charleston, ²SCDNR-MRRI
- 11:00-11:20 Use of Bomb Radiocarbon in Age Validation of North Atlantic Wreckfish (*Polyprion americanus*). Adam Lytton. College of Charleston
- 11:20-11:40 Temporal Genetic Variation and Effective Population Size of the Red Porgy in the South Atlantic Bight. Dave Murray. College of Charleston
- 11:40-12:00 The Effects of Two Parasites on Swimming Performance in the Spotted Seatrout (*Cynoscion nebulosus*). Andrew George, Eric McElroy and Isaure de Buron. College of Charleston

Session 5

Moderator: Paulette Mikell

- 1:20-1:40 Recent Developments in Spawning and Husbandry of Captive Atlantic Sturgeon at the Bears Bluff National Fish Hatchery. James Henne, Roman Crumpton and Kent Ware. USFWS-Bears Bluff
- 1:40-2:00 Genetic Tool for Age Estimation of Atlantic Sturgeon Using Telomeres. Daniel Farrae, Matt Walker, Steve Arnott, Michael R. Denson and Tanya Darden. SCDNR-MRRI
- 2:00-2:20 Movements of Atlantic and Shortnose Sturgeon in the Southeast; Preliminary Results from a Multistate Telemetry Effort. Bill Post¹, Corbett Norwood¹, Elizabeth Miller¹, Jarrett Gibbons¹, Mike Loeffler¹, Chip Collier², Joe Hightower³ and Doug Peterson⁴. ¹SCDNR-WFF, ²NCDMF, ³NCSU and ⁴UGA
- 2:20-2:40 Atlantic and Gulf Fish Passage Design. Prescott H. Brownell. NMFS

Friday February 1st

Session 6

Moderator: Scott Meister

- 8:30-8:50 Population Structure and Genetic Characterization of American Shad (*Alosa sapidissima*) Spawning Runs in the Carolinas: Using Genetic Tools for Responsible Stocking. Elizabeth Cushman¹, Gregory Moyer² and Tanya Darden¹. ¹SCDNR-MRRI, ²USFWS-Warm Springs
- 8:50-9:10 Patterns of Wadeable Stream Conditions Across South Carolina. Kevin Kubach and Mark Scott. SCDNR-Stream Team
- 9:10-9:30 Management and Population Trends of Blue Catfish in Santee Cooper Reservoir. Chad Holbrook. SCDNR-Dennis Center
- 9:30-9:50 Timing, Size, and Movement of Upstream Migrating American Eels in the Santee-Cooper Basin. David J. Coughlan. Duke Energy

Session 7

Moderator: Karl Brenkert

- 10:10-10:30 Update from the South Carolina Aquarium. Dave Wilkins. South Carolina Aquarium
- 10:30-10:50 The Effect of Overexploitation on the Genetic Diversity of Atlantic Red Snapper (*Lutjanus campechanus*). Carolyn Tarpey and Tanya Darden. SCDNR-MRRI
- 10:50-11:10 Age and Growth of the Bonnethead (*Sphyrna tiburo*) in the Coastal Atlantic Waters off the Southeastern United States. Bryan Frazier. SCDNR-MRRI
- 11:10-11:30 Telomere Length and Its Relationship With Age in South Carolina Red Drum. Matt Walker, Daniel Farrae, Steve Arnott, Michael R. Denson and Tanya Darden. SCDNR-MRRI

Poster Session
Thursday January 31
4:30-5:30

Feeding Habits: A Comparison of 3 Species from Family Sciaenidae. C. Michelle Willis.
SCDNR-MRRI

Genetic Verification of Weakfish (*Cynoscion regalis*) & the Occurrence of Sand Seatrout (*C. arenarius*) and Their Hybrids Along the Southeastern U.S. Atlantic Coast. Maggie Jamison,
Pearse Webster and Tanya Darden. SCDNR-MRRI

First Report of a Hemiurid Parasite in the Ovaries of *Cynoscion regalis* based on Histological
Identification. Patrick Biondo¹ and Isaure de Buron². ¹SCDNR-MRRI, ²College of Charleston.

Spatial and Temporal Patterns of Infection of the American Eel (*Anguilla rostrata*) by the
Invasive Parasite *Anguillicoloides crassus* in Estuaries of South Carolina. Jen Hein¹, Steve
Arnott¹, Bill Roumillat¹ and Isaure de Buron². ¹SCDNR-MRRI, ²College of Charleston

*Life History Trends of Gray Triggerfish (*Balistes capricus*) in the South Atlantic Bight from
1991-2011. Amanda Kelly¹, Virginia Shervette² and Marcel Reichert³. ¹College of Charleston,
²USC-Aiken, ³SCDNR-MRRI

Crabbing Alters Diamondback Terrapin Population Size Structure and Growth Rates. Andrew
Grosse. SCDNR-MRRI

Spotted Seatrout (*Cynoscion nebulosis*) Production, Handling, and Initial Stocking Efforts. Matt
Perkinson¹, Justin Yost¹, Dee Arrington² and Michael R. Denson¹. ¹SCDNR-MRRI, ²SCDNR-
WMC

*Sex Ratio and Sexual Maturity of Spot (*Leiostomus xanthurus*) in South Carolina. Jessica
Johnson. College of Charleston.

*Examination of Genetic Population Structure of Black Drum (*Pogonias cromis*) in US waters.
Jacqueline Leidig¹, Virginia Shervette² and Tanya Darden³. ¹College of Charleston, ²USC-
Aiken, ³SCDNR-MRRI

*Denotes student presentation.

Instructions for presenters

Oral Presentations:

Please save your Powerpoint presentations on a removable USB drive with the file name of the session and number presentation (eg 3rd presentation of session 2 should be titled "Session 2.3"). This allows us to easily find the next presentation. We realize some of you may be working on your presentations up to the last minute. The last minute is officially the break before the start of your session. Please make sure the session moderator has uploaded your presentation onto the conference computer before the first talk of your session starts.

Poster Presentations:

Posters must be turned in to Michelle Willis at the time of check-in and registration on January 30th. Presenters should make sure to be available for questions during the 1 hour poster session on January 31st. All posters should be retrieved following the final session on Friday Feb 1st. Please make arrangements for someone to retrieve your poster for you if you must leave earlier. All posters not retrieved at the end of the meeting will be disposed of in an environmentally friendly manner.

Acknowledgements

We would like to thank the following sponsors for donations to the raffle:

Hominy Grill	Bulldog Tours	Haddrell's Point Tackle and Supply
Sarah Goldman	Kleinschmidt	Lowcountry Children's Museum
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Charleston Stingrays	Riverbank Zoo	