

Annual Meeting
Florida Chapter American Fisheries Society
February 25-27, 2003

General Program

Tuesday, 25 February, 2003

Noon to 5pm – Registration

Noon- Lunch

1:00 to 5:00pm – Contributed Papers

5:00pm – Dinner

5:00 to 7:00pm –Poster Set Up

7:00pm – Poster Session (Drinks and snacks will be in the poster area, and the presenters will be available to answer questions) followed by the BONFIRE Social

Wednesday, 26 February, 2003

7:00 to 8:00am -Breakfast

7:30am to 5:00pm-Registration

8 00 to 12:20- *Symposium*: When the river meets the sea: The importance of freshwater flow on Florida's marine and freshwater fisheries.

1:20 to 5:00pm – Contributed Papers

5:00pm – Dinner

6:30 to 7:30pm –Chapter Business Meeting

7:30pm UNTIL? - **RAFFLE and Bonfire SOCIAL**

Thursday, 27 February, 2003

7:00 to 8:00am - Breakfast

7:30 to 9:00am - Registration

8:00am to Noon -Contributed Papers

Noon - Lunch

1:00pm –Awards presentation:

Best Papers- Student and Professional

Best Posters- Student and Professional

Rottman Scholarships

Agenda 23rd Florida Chapter American Fisheries Society Meeting

Tuesday, 25 February, 2003

Contributed Papers

Presenter is listed first

Bold-faced titles are student presentations

- 1:00- D. Cooper. **Spawning patterns of tripletail, *Lobotes surinamensis*, on Atlantic Coast of Florida.**
- 1:20-T. Bonvechio and M. S. Allen. **Abundance, growth, and mortality of Suwannee bass, *Micropterus notius*, in three Florida rivers.**
- 1:40- W. F. Porak, J.M. Gaskin, W. E. Johnson, R. Francis-Floyd. Update on the largemouth bass virus (LMBV) and development of an agar gel immunodiffusion assay for serological detection of LMBV in Florida bass.
- 2:00- S. Huskey. **Modulation of feeding behavior in largemouth bass, *Micropterus salmoides*: Kinematics of prey-capture in structured and non-structured environments.**
- 2:20- S. Crawford and M.S. Allen. Assessing potential for harvest restrictions to improve sunfish fisheries at Lake Panasoffkee, Florida.
- 2:40- J.E. Harris, D.C. Parkyn, and D.J. Murie. Winter Distribution of Gulf of Mexico sturgeon and their benthic prey resources.
- 3:00- Break, 20 minutes
- 3:20- S.M. Whitaker, L.J. Jenkins, J.C. Holder, and R.S. McBride. Monitoring Florida's American shad population in the St. John's River.
- 3:40-A. Horntvedt, S.H. Denison, and W.A. Szelistowski. **Genetic differences in Western Atlantic and Eastern Pacific populations of yellowtailed leatherjacket, *Oligoplites saurus*.**
- 4:00- S.L. Harter and A.W. David. Changes in macrofaunal benthic composition of seagrass beds in St. Andrew Bay, Florida: Possible effects on interannual recruitment variability of lane snapper (*Lutjanus synagris*) and gray snapper (*Lutjanus griseus*).
- 4:20- C.R. Powell. A comparison of methods used in processing otoliths from Florida pompano (*Trachinotus carolinus*).
- 4:40- J.L. Rummer and W.A. Bennett. **Deeper is more devastating: The physiological effects of catastrophic decompression on red snapper, *Lutjanus campechanus***
- 5:00- Dinner
- 5:00 to 7:00pm- Poster Set Up
- 7:00pm- Poster Session (Drinks and snack will be in the poster area, and the presenters will be available to answer questions) and Bonfire Social.

Wednesday, 26 February, 2003

7:00 to 8:00am- Breakfast

7:30 to 5:00pm- Registration

Symposium:

When the river meets the sea: The importance of freshwater flow on Florida's marine and freshwater fisheries.

8:00- D. Jones. Florida Instream Flows and Fresh Water Fisheries

8:30- K. Haddad. TBA

9:00- J. J. Lorenz. Changes in the Demersal Fish Community in Response to Altered Salinity Patterns in a Florida Bay Coastal Wetland: Implications for Everglades Restoration.

9:20- G.L. Warren. Invertebrate Communities as Tools for Establishing Minimum Flows and Levels in Florida Streams.

9:40- Break, 20 minutes

10:00- A.B. Forstchen. Impacts of Freshwater Flows on the Caloosahatchee River and St. Lucie Estuary.

10:20- E.B. Peebles. Abundance Responses to Coastal Freshwater Inflow: The Processes Behind the Correlations

10:40- A. Adams. Examining Effects of Alterations of Freshwater Flow in Charlotte Harbor Florida: An Overview of Collaborative Efforts.

11:00- R.E. Matheson, Jr., D.L. Leffler, and R.H. McMichael, Jr. The Effects of Variation in Freshwater Inflow on the Abundance of Juvenile and Small Adult Fishes in Tampa Bay.

11:20- K. M. Leber and N. P. Brennan. Relative Effects of Release Microhabitat on Survival and Growth of Hatchery-reared Juvenile Snook.

11:40- T. Hoehn. The Apalachicola Experience: Where we've been, where we are, and where we are going.

12:00- T. D. Tuckey, L. Edmiston, and G. Lewis. Apalachicola Bay and the Importance of Freshwater Flow.

12:20-1:20- Lunch

Contributed Papers

- 1:20- E.A. Reyier and J.M. Shenker. **Spatiotemporal variation in ichthyoplankton community structure of the Northern Indian River Lagoon complex with emphasis as to the importance of a no-take fisheries reserve.**
- 1:40- S. A. Bortone. Optimally creating really essential fish habitat: Studies from the Tarmac (Again!).
- 2:00- L. Lombardi-Carlson, G. Fitzhugh, and J. Mikulas. Red grouper (*Epinephelus morio*) age-length structure and description of growth from the eastern Gulf of Mexico: 1992-2001.
- 2:20- L.A. Collins, G.R. Fitzhugh, L.A. Lombardi-Carlson, H.M. Lyon, and W.T. Walling Jr.. Spawning/non-spawning of mature female red grouper (Serranidae: *Ephinephelus morio*) from the west coast of Florida, 1992-2001.
- 2:40- B. Bennett. **Histological analysis of *Cynoscion nebulosus* (spotted seatrout) ovarian biopsies.**
- 3:00- Break, 20 minutes
- 3:20- J. M. Krebs, D.A. Loewensteiner, and R.G. Turingan. Comparative trophic morphology and prey resource utilization of three juvenile Sciaenid fishes from Tampa Bay, Florida.
- 3:40- I. Baremore and J. Carlson. Life history traits of the blacktip shark, *Carcharhinus limbatus*, from the US South Atlantic Ocean and Gulf of Mexico: more evidence for geographic variation?
- 4:00- J. Lowell, R. Francis-Floyd, and D. Parkyn, and R.S. Bakal. The safety of some commonly used therapeutic chemicals on shortnose sturgeon eggs and juveniles.
- 4:20- D.L. Trimm. Natural Resource Damage Assessment
- 4:40- TBA
- 5:00- Dinner
- 6:00-7:00- Chapter Business Meeting
- 7:00- Raffle and Bonfire Social

Thursday, 27 February 2003

7:00 to 8:00am- Breakfast

7:30 to 9:00am- Registration

Contributed Papers

8:00- B.M. Swanson, B.L. Winner, B. Bradham, J. Krebs, R.H. McMichael Jr., B. Robertson, and E. Sherwood. **Use of coded-wire tags to estimate survival, movement, habitat preference, and optimal size-at-release of hatchery-reared red drum (*Sciaenops ocellatus*) in the Alafia River, Tampa Bay, Florida.**

8:20- D.M. Scheidt, E.A. Reyier, K.G. Holloway-Adkins, and R.H. Lowers. Resource use characterization study of Mosquito Lagoon within the boundaries of the Merritt Island National Wildlife Refuge: Part 1-A comparison of two aerial surveys, 1990-91 and 2002.

8:40- K.G. Holloway-Adkins, D.M. Scheidt, and E.A. Reyier. Resource use characterization study of Mosquito Lagoon within the boundaries of the Merritt Island National Wildlife Refuge: Part 2- Preliminary results from the exit ramp creel surveys.

9:00- T.R. Champeau. Littoral zone restoration of Lake Istokpoga: Enhancing aquatic habitat, flood control, and water quality.

9:20- E. Hohausova. Possibilities and impossibilities for fish to disperse to new locations in scrub habitat.

9:40- C.K. Metcalf. Big Escambia Creek Restoration Project.

10:00- Break, 20 minutes

10:20- S.L. Walters, W.S. Arnold, and T.M. Bert. Influence of congeneric aquaculture on hard clam (*Mercenaria spp.*) population genetic structure.

10:40- L. Jenkins and F. Parauka. Gulf sturgeon, *Acipenser oxyrinchus desotoi*, investigations in Florida.

11:00-TBA

11:20- D.A. Blewett and R.A. Hensley. Feeding habits of common snook, *Centropomus undecimalis*, in Charlotte Harbor, Florida.

11:40- R.T. Taylor and R.G. Muller. The condition of common snook stocks in Florida.

Noon- Lunch

1:00- Awards presentation-Best papers & posters, Rottman Scholarships

Posters

E.R. Ault, L.R. Barbieri, J.G. Knapp, E.E. McDevitt, and P.E. Thomas. A fishery-independent survey of reef fishery resources off the southeast Florida coast.

A.L. DiGirolamo, J. Eme, and J.M. Grim. Behavior, Osmoregulation and Oxic Physiology in Selected North American elasmobranch fishes

C.W.Hanson and J. Chanton. Carbon isotopic signatures in otoliths of red drum, *Sciaenops ocellatus*,: A reflection of diet?

R. Lehnert, B. McMichael, and B. Mahmoudi. Description of the annual fisheries-independent monitoring program baitfish cruise.

R.H. Lowers, D.M. Scheidt, and K.G. Holloway-Adkins. The 1991 Mosquito Lagoon Creel survey: Data from the forgotten survey.

R. McBride, M. Russo, I. Quitmyer. Morphometrics of herring (Clupeidae) skeletal and otolith remains: Implications for zooarchaeology of Florida's St. Johns River.

E.E. McDevitt, L.R. Barbierie, J.G. Knapp, E.R. Ault, and P.E. Thomas. Age, growth, and mortality of lane snapper (*Lutjanus synagris*) in Southeast Florida.

J. Osborne, T. Schmidt, and J. Kalafarski. Preliminary analyses of lengths of recreationally harvested gamefish in Everglades National Park (ENP), 1995-2001.

M. Reaid, J. Taylor, M. Cook, S. Gallaher, A. Ren, and W.A. Bennett. Divergent survival tactics among gobies inhabiting hypothermal mangrove swamps on Hoga Island, Indonesia.

J. Sanford and T. Tsou. Annual abundance of young-of-the-year striped mullet, *Mugil cephalus*, in Tampa Bay, Florida, from 1996 to 2001.

W. Seaman. Habitat Evaluation and Geographic Information System Practices in Florida Coastal Artificial Reef Programs.

E. Sherwood, B. Winner, B. McMichael, J. Krebs, B. Bradham, and J. Sanford. Preliminary assessment of stocking hatchery-reared red drum, *Sciaenops ocellatus*, in Tampa Bay, Florida (2000-2002).

J. Solomon and R. Brodie. Distribution and abundance of fishes in the lower St. Marys River Basin, northeast Florida.

G. Stoecklin. Ontogenetic scaling of feeding kinematics in gray snapper, *Lutjanus griseus*.

D.M. Tremain. Investigation of non-lethal methods for aging subadult and adult red drum in Florida.

T.D. Tuckey. The use of a multi-seine sampling approach to track spot (*Leiostomus xanthurus*) cohorts in three Florida estuaries.

J. Wanat and L. Wright. Evaluating changes in fish and benthic macroinvertebrate assemblages in Apalachicola Bay, Florida using monthly trawl surveys.

H. L. Wallman and W. A. Bennett. A Proposed Study of the Effect of Feeding and Parturition on Behavioral Thermal Regulation of the Atlantic Stingray, *Dasyatis sabina*

H.L. Wallman, K.J. Fitchett, C.M. Reber, and W.A. Bennett. Utilization of patch reefs by three common species of damselfishes within Dry Tortugas National Park, April 2002.