

Southern Division of the American Fisheries Society
2000 Midyear Meeting
DRAFT AGENDA

Symposium: Biology and Management of Reef Fishes
5 February 2000

0820 **Introductory Remarks**
George Sedberry, SCDNR

Session I: MARMAP Program Review (Jack McGovern, SCDNR, Moderator)

0840 **MARMAP studies of reef fishes off the southeastern United States 1983-2000**
John C. McGovern, George R. Sedberry and Daniel J. Machowski, South Carolina DNR

0900 **A summary of MARMAP's reef fish tagging activities off the southeastern United States**
H. Scott Meister and John C. McGovern, South Carolina DNR

0920 **Age, growth and reproductive biology of the black sea bass, *Centropristis striata*, from the southeastern United States**
John C. McGovern, Mark R. Collins, H. Scott Meister and Oleg Pashuk, South Carolina DNR

0940 **Age, growth, and reproduction of scamp, *Mycteroperca phenax*, in the southwestern North Atlantic, 1979-1996**
Patrick J. Harris, David M. Wyanski, D. Byron White and Jennifer L. Moore, South Carolina DNR

1000 **Break**

Session II: Reef Fish Life History Studies (David Wyanski, SCDNR, Moderator)

David Wyanski, Moderator

1020 **Life history of red grouper (*Epinephelus morio*) off the North and South Carolina coast**
Julian Burgos, University of Charleston; Patrick J. Harris, George R. Sedberry and David M. Wyanski, South Carolina DNR

1040 **Life history of the gray triggerfish from the southeastern United States**
Jennifer L. Moore, University of Charleston

1100 **Red snapper reproduction revisited: Spawning and fecundity in the northern Gulf of Mexico, 1998-1999**
L. A. Collins, G.R. Fitzhugh and R.J. Allman, NMFS Panama City Laboratory

1120 **Reproductive biology and ecology of red porgy, *Pagrus pagrus*, in the northeastern Gulf of Mexico**
Doug DeVries, NMFS Panama City Laboratory

1140 **Changes in life history patterns of vermilion snapper and red porgy in the Gulf of Mexico**
Peter B. Hood, GMFMC; and Andrea Johnson, North Carolina State University

1200 **Lunch Break**

Session II: Reef Fish Life History Studies (continued) (Sandy Padgett, SCDNR, Moderator)

1320 **Age and growth of yellowtail snapper, *Ocyurus chrysurus*, collected from the southeastern United States**
Eden Garcia and Roger A. Rulifson, East Carolina University

1340 **Larval biology and transport scenarios for lutjanids and haemulids of southwest Cuba and southeast Florida**
K. Lindeman, University of Miami; R. Claro, Instituto de Oceanologia; T. Lee, University of Miami; D. Wilson, NOAA Miami Laboratory and J. Ault, University of Miami

1400 **Ingress of postlarval snappers (principally *Lutjanus griseus*) into the Newport River Estuary, North Carolina**
Mimi W. Tzeng, University of North Carolina at Wilmington; Jonathan A. Hare and Allyn B. Powell, NOAA Beaufort Laboratory; and David G. Lindquist, University of North Carolina at Wilmington

Session III: Status of Reef Fish Stocks (Sandy Padgett, SCDNR, Moderator)

1420 **Good and bad years in the Gulf: tracking age-structure for gag grouper and red snapper**
Gary R. Fitzhugh, William A. Fable and Linda A. Lombardi, NMFS Panama City Laboratory; and Allyn G. Johnson, Panama City

1440 **The effects of shelf-edge fishing on the demographics of the gag, *Mycteroperca microlepis*, population of the southeastern United States**
Christopher C. Koenig, Felicia C. Coleman, Institute for Fishery Ecology (FSU/NMFS); Robert W. Chapman, Mark R. Collins, Patrick Harris, John McGovern, George R. Sedberry and David M. Wyanski, South Carolina DNR; Allyn G. Johnson, NMFS Panama City Laboratory

1500 **Break**

Session IV: Reef Fish Communities, Distribution and Habitat (Doug Weaver, Florida Caribbean Science Center USGS, Moderator)

- 1520 **A preliminary study of reef fish at Navassa Island**
Mark Grace, NMFS Pascagoula Laboratory
- 1540 **Distribution, abundance and habitat utilization of adult and juvenile jewfish, *Epinephelus itajara*, in southwest Florida, USA**
Anne-Marie Eklund, NMFS Southeast Fisheries Science Center; Christopher C. Koenig and Felicia C. Coleman, NOAA/FSU Institute for Fishery Resource Ecology, Florida State University
- 1600 **Fish populations and habitat recovery in the *Oculina* Research Reserve (1995 to 1999) off Ft. Pierce, FL**
Christopher C. Koenig, Felicia C. Coleman, IFRE (FSU-NMFS); Christopher T. Gledhill, Mark Grace, NMFS Pascagoula Laboratory; Churchill B. Grimes, NMFS Tiburon Laboratory; Kathryn M. Scanlon, USGS Woods Hole; and Sandra Brooke, Harbor Branch Oceanographic Institution
- 1620 **Spatial subsidies in the twilight zone: Food web structure of outer continental shelf reef fishes**
Douglas C. Weaver and K.J. Sulak, Florida Caribbean Science Center, USGS
- 1640 **The distribution of *Enneanectes* (Blennioidei: Tripterygiidae) on multiple spatial scales**
Lisa K. Haney, University of Charleston
- 1700 **Recess**

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Session IV: Reef Fish Communities, Distribution and Habitat (continued) (Joel Carlin, University of Florida, Moderator)

0800 **Attraction of age-0 red snapper, *Lutjanus campechanus*, to areas of reduced bycatch mortality**

Stephen T. Szedlmayer, Auburn University

0820 **Fish assemblages on high latitude coral reefs: A work in progress**

David Gilliam, Brian D. Ettinger and Richard E. Spieler, Nova Southeastern University Oceanographic Center

Session V: Reef Fish Population Structure (Joel Carlin, University of Florida, Moderator)

0840 **Stock structure of red snapper in the northern Gulf of Mexico: Is their management as a single unit stock justified based on spatial and temporal patterns of genetic variation, otolith microchemistry, and growth rates?**

William F. Patterson III, Louisiana State University; James H. Cowan Jr., University of South Alabama; John R. Gold, Texas A&M University; and Charles A. Wilson, Louisiana State University

0900 **Population genetic partitions and phylogeography of Atlantic reef zones: *Rypticus saponaceous* and *Epinephelus adscensionis***

Joel L. Carlin and Brian W. Bowen, University of Florida

0920 **Spawning season, sexual maturity, and gonad development of white grunt from the Gulf coast of Florida**

Debra J. Murie and Daryl C. Parkyn, University of Florida

0940 **Genetic studies of white grunt, *Haemulon plumieri*, indicate restricted gene flow and deep phylogeographic divergence between Caribbean, Trinidadian and Atlantic coast populations**

Robert W. Chapman and George R. Sedberry, South Carolina DNR

1000 **Break**

Session VI: Reef Fish Management Issues (Charlie Barans, SCDNR, Moderator)

1020 **Fishery-independent and fishery-dependent data: which should be used to manage the resource?**

Patrick Harris, South Carolina DNR

- 1040 **Do stock assessments reflect reality?**
Fred C. Rohde, North Carolina Division of Marine Fisheries
- 1100 **Socio-demographic assessment of commercial reef fishermen in the South Atlantic**
Kim Iverson, SAFMC; and Ray Rhodes, South Carolina DNR
- 1120 **Manmade reefs as a model in marine reserve research**
Mel Bell, South Carolina DNR
- 1140 **The role of public aquaria in the conservation of fish species: Examples from the South Carolina Aquarium**
Whit McMillan, South Carolina Aquarium
- 1200 **General discussion and closing remarks**

Session VII: Reef Fish Symposium Posters

Assessing reef fish and associated habitats from a one-person submersible
A. Score, Gray's Reef National Marine Sanctuary; and T. Potts, National Undersea Research Center at the University of North Carolina at Wilmington

AV needs:

35 mm slides (2 simultaneously)
IBM PowerPoint Computer
LCD Projector

Hi-8 video
VHS video
Large-screen monitor or video projector