

CURRICULUM VITAE

Ernst Bryan Peebles, Ph.D.

College of Marine Science
University of South Florida
140 7th Ave. South
St. Petersburg, Florida 33701
epeebles@.marine.usf.edu

Education

Ph.D., Marine Science, 1996
University of South Florida, Tampa, Florida

M.S., Marine Science, 1987
University of South Florida, Tampa, Florida

B.S., Biology, Environmental Studies, 1983
Tulane University, New Orleans, Louisiana

Professional Experience

2009-present Associate Professor, USF College of Marine Science
2004-2008 Research Faculty, USF College of Marine Science
1996-2004 Research Associate, USF College of Marine Science
1996-1998 Summer Faculty, Gulf Coast Research Laboratory, University of Southern Mississippi, Department of Coastal Sciences, Ocean Springs, Mississippi
1988-1996 Research Assistant, USF College of Marine Science
1985-1987 Marine Technician, Florida Dept. Natural Resources (presently Florida Fish and Wildlife Commission, Fish and Wildlife Research Institute)
1983-1985 Research Assistant, USF College of Marine Science
1981-1982 Field Technician, Tulane University Riverside Research Laboratories, Belle Chasse, Louisiana

Funded Research (numbers rounded)

Principal Investigator, 2010-2013
USF College of Marine Science
\$108,000 (Year 1 of 3) from NOAA MARFIN; Use of otolith microchemistry to improve fisheries-independent indices of recruitment for gag (*Mycteroperca microlepis*): Linking estuarine nurseries to nearshore reefs in the eastern Gulf of Mexico.

Co-Principal Investigator with Dr. Carole McIvor (USGS) and Dr. Janet Ley (FWC), 2010-2013
USF College of Marine Science

\$55,000 from USGS BRD, National Fish Habitat Program; Defining fish nursery habitats: An application of otolith elemental fingerprinting in Tampa Bay, Florida.

Principal Investigator, 2000-2012

USF College of Marine Science

\$4.1 million (3 contracts) from Tampa Bay Water, Inc. (via PBS&J, Inc.) to monitor ichthyoplankton, invertebrate zooplankton and juvenile fish responses to freshwater diversions from three tributaries of Tampa Bay. Data collection and analysis are coordinated with the Fisheries Independent Monitoring program of the Fish and Wildlife Research Institute.

Principal Investigator, 1997-2010

USF College of Marine Science

\$1.7 million (14 contracts) from the Southwest Florida Water Management District to study ichthyoplankton, invertebrate zooplankton and juvenile fish responses to freshwater inflow into the Manatee River, Braden River, Peace River, Shell Creek, Alafia River, Weeki Wachee River, Myakka River, Myakkahatchee Creek, Anclote River, Chassahowitzka River, Homosassa River, Crystal River and Dona/Roberts Bay estuaries. Data collection and analysis are coordinated with the Fisheries Independent Monitoring program of the Fish and Wildlife Research Institute.

Principal Investigator, 2008-2010

\$49,000 (3 contracts) from Florida Gulf Coast University (FGCU) to use bio-optics and other sensors to study water-column and benthic processes associated with changes in net ecosystem metabolism of the Caloosahatchee River estuary under variable freshwater inflow conditions. This research is part of a collaborative effort with FGCU funded by the South Florida Water Management District and the US Dept. of Education.

Principal Investigator, 2007-2009

USF College of Marine Science

\$150,000 from Tampa Bay Estuary Program to determine areal extent, biogeochemical composition, source, age and ecological status of muck sediment accumulation in upper Tampa Bay. This research is part of a collaborative effort with geologists from USF, the USGS (Menlo Park, CA) and Eckerd College.

Principal Investigator, 2007-2008

USF College of Marine Science

\$28,000 from US Dept. of the Interior via the Fish and Wildlife Conservation Commission to conduct isotope-based trophic studies of Tampa Bay tidal streams.

Co-Principal Investigator, 2006-2008

with Dr. Tom Cuba, Delta Seven, Inc.

\$60,000 from NOAA to study ecological effects of tidal flow restoration in Ft. DeSoto Park, Florida.

Principal Investigator, 2001-2008

USF College of Marine Science
\$77,000 (3 contracts) from the Southwest Florida Water Management District to analyze plankton-net, seine and trawl data in regard to zooplankton and fish responses to freshwater inflow into the Alafia River, Hillsborough River, Little Manatee River and Tampa Bypass Canal/McKay Bay estuaries.

Co-Principal Investigator with Dr. David Hollander, 2006-2007
USF College of Marine Science
\$31,000 from PCEF via the Tampa Bay Estuary Program for stable isotope ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) study of primary producer roles in fish production within Tampa Bay's tidal creeks.

Principal Investigator, 2005-2007
USF College of Marine Science
\$78,000 from Florida Gulf Coast University to analyze ichthyoplankton and invertebrate zooplankton responses to freshwater inflow into Estero Bay, Florida.

Principal Investigator, 2005-2006
USF College of Marine Science
\$16,000 from Tampa Bay Water, Inc. via PBS&J, Inc. to conduct in situ bio-optics transects of the tidal Alafia River.

Co-Principal Investigator, 2004-2006
with Dr. Tom Cuba, Delta Seven, Inc.
\$60,000 from PCEF to study ecological effects of tidal flow restoration in Ft. DeSoto Park, Florida.

Co-Principal Investigator, 2003-2004
with Dr. David Hollander, USF College of Marine Science
\$40,000 from the Southwest Florida Water Management District for stable isotope ($\delta^{13}\text{C}$, $\delta^{34}\text{S}$ and $\delta^{15}\text{N}$) study of primary producer roles in estuarine fish nursery production, comparing oligotrophic, eutrophic and intermediate estuaries.

Co-Principal Investigator, 1992-95
with Dr. Raymond Wilson, USF Dept. of Marine Science
\$81,000 from Water and Air Research, Inc. to process and analyze data from nighttime plankton-net surveys of the tidal Hillsborough River, McKay Bay and Tampa Bypass Canal.

Co-Principal Investigator, 1991-92
with Dr. Thomas Hopkins, USF Dept. of Marine Science
\$131,000 from the Florida Marine Research Institute for diet analysis of Tampa Bay fishes.

Co-Principal Investigator, 1987-91
with Dr. John Briggs (Graduate Advisor), USF Dept. of Marine Science

\$126,000 from the Southwest Florida Water Management District for nighttime ichthyoplankton survey of tidal Little Manatee River, fish diet analysis, and assessment of spatial variation in biochemical composition (nutritional value) of estuarine surface sediments used by deposit-feeding fishes and invertebrates.

Advisory Positions

- 2009-2011 National Research Council (NRC), Water Science and Technology Board, reviewer for panel reports
- 2010 NOAA Watershed Education and Training Program, proposal evaluation committee
- 2009 National Science Foundation (NSF), proposal reviewer
- 2009 Tampa Bay Area Scientific Information Symposium, member of symposium peer review panel and synthesis committee
- 2009 South Carolina Sea Grant, proposal reviewer
- 2009 Charlotte Harbor National Estuary Program, Reservoirs Workshop, member of workshop peer review panel and invited speaker
- 2009 Bahamian Government by way of Black and Veatch, Inc., member of Ministerial Delegation reviewing potential impacts to fisheries resources caused by planned development of mangrove habitat on North Bimini Island.
- 2008-2009 Gulf of Mexico Alliance, member of Nutrient Pathways Workgroup and Nutrient Endpoints Workgroup
- 1999-2008 NOAA NMFS MARFIN and Saltonstall-Kennedy Programs, proposal reviewer
- 2008 Bahamian Government by way of Black and Veatch, Inc., consultant assessing potential impacts to fisheries resources caused by planned development of mangrove habitat on North Bimini Island.
- 2008 St. Johns River Water Management District, consultant and expert witness on 1) freshwater withdrawal effects on downstream estuarine community structure and 2) ichthyoplankton entrainment into a proposed water treatment facility.
- 2007-present Gulf of Mexico Fisheries Management Council, Ecosystem Modeling Workshops, Ecosystem Scientific and Statistical Committee, invited participant.

- 2006-present Chair, Joint Task Group for Fishes (Section 10600), Standard Methods for the Examination of Water and Wastewater, published by the American Public Health Association/American Water Works Association/Water Environment Federation
- 2004 Scientific advisor, *Effects of Changes in Freshwater Inflows on Biological Resources of Tampa Bay Tributaries*. Tampa Bay Estuary Program Technical Publication # 06-04.
- 1999-2002 NOAA NMFS MARFIN Program, external member of proposal evaluation committee.
- 2000-2001 Estuarine Research Federation 2001 Biennial Conference, steering committee member
- 1999 NOAA National Undersea Research Program, proposal reviewer
- 1999 Tampa Bay Water, Inc. Assistance with design of hydro-biological monitoring program for monitoring impacts of freshwater diversions on the upper Tampa Bay estuary.
- 1996-1997 Tampa Bay National Estuary Program (EPA), member of minimum-flows advisory committee, salinity subcommittee, dissolved oxygen subcommittee.
- 1995 Southwest Florida Water Management District, consultant on quantitative projection of impacts on estuarine fish habitat caused by proposed freshwater withdrawals by a power plant.
- 1993 Tampa Bay National Estuary Program (EPA), scientific advisor, *Synthesis of Basic Life Histories of Tampa Bay Species*. TBNEP Technical Publication #10-92.

Academic Experience

- 2009-present Associate Professor of Biological Oceanography, University of South Florida, College of Marine Science, St. Petersburg, Florida
- 2004-present Guest lecturer, graduate-level course *Estuarine Ecology* Florida Gulf Coast University, Department of Marine and Ecological Sciences Ft. Myers, Florida
- 1997-present Graduate Committee member (7 Ph.D., 5 M.S.)
Advisor (1 Ph.D., 4 M.S.)
Co-Advisor (1 Ph.D.)

University of South Florida, College of Marine Science
St. Petersburg, Florida

- 1995-present Guest lecturer, graduate-level courses: *Biological Oceanography, Estuarine Ecology, Physical-Biological Interactions*
University of South Florida, College of Marine Science
St. Petersburg, Florida
- 1998-2001 Graduate Committee member (1 Ph.D.)
University of Southern Mississippi, Department of Coastal Sciences
Hattiesburg, Mississippi
- 1996-97 Summer Faculty, design and teaching of undergraduate course and associated lab: *Marine Biology II*. University of Southern Mississippi, Department of Coastal Sciences. Ocean Springs, Mississippi

Journal Article Reviewer

Estuaries
Estuaries and Coasts
Transactions of the American Fisheries Society
Fishery Bulletin
Bulletin of Marine Science
Gulf and Caribbean Research
Journal of Aquatic Living Resources
Journal of Fish Biology
Estuarine, Coastal and Shelf Science
Marine and Freshwater Research
Neotropical Ichthyology

Peer-Reviewed Publications

- Malkin, E.M., D. J. Hollander and E.B. Peebles (in prep.). The agricultural fingerprint on coastal fish biomass.
- Peebles, E.B. and D.J. Hollander. (in prep.) Seasonal shift in the trophic base supporting fish, shrimp and crab biomass in Florida estuaries.
- Malkin, E.M., D.J. Hollander and E.B. Peebles. (in prep.) Parallel nitrogen cycling in Florida tidal rivers and streams: Selective decomposition supports higher trophic levels.
- Peebles, E.B. and M.F.D. Greenwood. 2009. Spatial abundance quantiles as a tool for assessing habitat compression in motile estuarine organisms. Charlotte Harbor NEP

Special Issue of Florida Scientist: From Data to Policy: Our Partnership in Action
72:277-288.

- Walsh, J.J., R.H. Weisberg, J.M. Lenos, F.R. Chen, D.A. Dieterle., L. Zheng, G.A. Vargo, J.A. Havens, E.B. Peebles, D.J. Hollander, R. He, C.A. Heil, B. Mahmoudi, and J.H. Landsberg. 2009. Isotopic evidence for dead fish maintenance of Florida red tides, with implications for coastal fisheries over both source regions of the West Florida shelf and within downstream waters of the South Atlantic Bight. *Progress in Oceanography* 80:51-73.
- Peebles, E.B., S.E. Burghart and D.J. Hollander. 2007. Causes of inter-estuarine variability in bay anchovy (*Anchoa mitchilli*) salinity at capture. *Estuaries and Coasts* 30(6): 1060-1074
- Flannery, M.S., E.B. Peebles and R.T. Montgomery. 2002. A percent-of-flow approach for managing reductions of freshwater inflows from unimpounded rivers to southwest Florida estuaries. *Estuaries* 25:1318-1332
- Peebles, E.B. 2002. Temporal resolution of biological and physical influences on bay anchovy (*Anchoa mitchilli*) egg abundance near a river-plume frontal zone. *Marine Ecology Progress Series* 237:257-269
- Tolley, S.G., and E.B. Peebles. 1998. Decay of diel patterns of swimming activity in juvenile common snook (*Centropomus undecimalis*) maintained in captivity. *Bulletin of Marine Science* 62:275-283.
- Peebles, E.B., J.R. Hall and S.G. Tolley 1996. Egg production by the bay anchovy *Anchoa mitchilli* in relation to adult and larval prey fields. *Marine Ecology Progress Series* 131:61-73.
- Peebles, E.B., and S.G. Tolley. 1988. Distribution, growth, and mortality of larval spotted seatrout, *Cynoscion nebulosus*: A comparison between two adjacent estuarine areas of southwest Florida. *Bulletin of Marine Science* 42:397-410.
- Tolley, S.G., and E.B. Peebles. 1987. Occurrence of *Gunterichthys longipenis* in a southwest Florida estuary. *Northeast Gulf Science*. 9:43-45.
- Tolley, S.G., E.T. Dohner and E.B. Peebles. 1987. Occurrence of larval snook, *Centropomus undecimalis* (Bloch), in Naples Bay, Florida. *Florida Scientist* 50:34-38.

Other Publications

- Peebles, E.B., D.J. Hollander, S.D. Locker, P.W. Swarzenski, and G.R. Brooks. 2009. Areal extent, source and ecological status of organic sediment accumulation in Safety Harbor, Tampa Bay. Final report submitted by the University of South Florida College of Marine Science to the Tampa Bay Estuary Program.
- Peebles, E.B., T.C. MacDonald, S.E. Burghart, C. Guenther, R.E. Matheson, Jr., R.H. McMichael, Jr. 2009. Freshwater inflow effects on fish and invertebrate use of the Homosassa River estuary. Report prepared by the for the Southwest Florida Water Management District.
- Greenwood, M.F.D., E. Malkin, E.B. Peebles, S.D. Stahl, and F.X. Courtney. 2008. Assessment of the value of small tidal streams, creeks, and backwaters as critical habitats for nekton in the Tampa Bay watershed. Report by the Fish and Wildlife Research Institute to the Florida State Wildlife Grants Program, Project SWG05-015.
- Sherwood, E. et al. (24 authors). 2008. Tampa Bay tidal tributary habitat initiative project; Final report and management recommendations. Submitted to the Pinellas County Environmental Fund (Washington, DC) by the Tidal Tributary Project Team.
- Sherwood, E. et al. (22 authors). 2008. Public summary document to accompany the Tampa Bay tidal tributary habitat initiative project; Final report and management recommendations. Submitted to the Pinellas County Environmental Fund (Washington, DC) by the Tidal Tributary Project Team.
- Greenwood, M.F.D., E.B. Peebles, S.E. Burghart, T.C. MacDonald, R.E. Matheson, Jr., R.H. McMichael, Jr. (2008) Freshwater inflow effects on fishes and invertebrates in the Chassahowitzka River and estuary. Report prepared by the Florida Marine Research Institute for the Southwest Florida Water Management District.
- Peebles, E.B. 2008. Freshwater inflow effects on fishes and invertebrates in the Little Manatee River estuary; An update of data analyses. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.
- Malkin, E.M., E.B. Peebles and D.J. Hollander. 2007. Stable isotope analysis of Tampa Bay tidal tributary and tidal creek ecosystems. Report prepared by the University of South Florida College of Marine Science for the Tampa Bay Estuary Program.
- Tolley, S.G., E.B. Peebles, S.E. Burghart, B. Bachelor, J. Evans, and J. Nelson. 2007. Freshwater inflow and utilization of the estuarine tributaries of Estero Bay. Report prepared by the Florida Gulf Coast University Coastal Watershed Institute for the South Florida Water Management District.
- English, D.C., R.W. Kitzmiller, and E.B. Peebles. 2007. Bio-optical properties of the tidal Alafia River; Comparisons with bay anchovy distribution. Report prepared by the University of

South Florida College of Marine Science for Tampa Bay Water, Inc.

Peebles, E.B. 2007. *Florida's Inshore Fish*. Public-education poster published by the Florida Fish and Wildlife Conservation Commission.

Peebles, E.B. 2007. *Florida's Sporting Jacks*. Public-education poster published by the Florida Fish and Wildlife Conservation Commission.

Peebles, E.B., M.D.F. Greenwood, T.C. MacDonald, S.E. Burghart, R.E. Matheson, Jr., and R.H. McMichael, Jr. 2006. Freshwater inflow effects on fishes and invertebrates in the Dona and Roberts Bay estuary. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.

Peebles, E.B., T.C. MacDonald, M.F.D. Greenwood, R.E. Matheson, Jr., S.E. Burghart, and R.H. McMichael, Jr. 2006. Freshwater inflow effects on fishes and invertebrates in the Myakka River and Myakkahatchee Creek estuaries. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.

Greenwood, M.D.F., E.B. Peebles, T.C. MacDonald, S.E. Burghart, R.E. Matheson, Jr., and R.H. McMichael, Jr. 2006. Freshwater inflow effects on fishes and invertebrates in the Anclote River estuary. Report prepared by the Florida Marine Research Institute for the Southwest Florida Water Management District.

MacDonald, T.C., E.B. Peebles, M.F.D. Greenwood, R.E. Matheson, Jr., and R.H. McMichael, Jr. 2005. Freshwater inflow effects on fishes and invertebrates in the Hillsborough River estuary. Report prepared by the Florida Marine Research Institute for the Southwest Florida Water Management District.

Peebles, E.B. 2005. An analysis of freshwater inflow effects on the early stages of fish and their invertebrate prey in the Alafia River estuary. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.

Peebles, E.B. 2005. Review of feeding habits of juvenile estuarine-dependent fishes and blue crabs: identification of important prey. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.

Matheson, R.E., Jr., E.B. Peebles, S.E. Burghart, T.C. MacDonald, M.F.D. Greenwood, R.H. McMichael, Jr. (2005) Freshwater inflow effects on fishes and invertebrates in the Weeki Wachee River estuary. Report prepared by the Florida Marine Research Institute for the Southwest Florida Water Management District.

Hollander, D.J. and E.B. Peebles. 2004. Estuarine nursery function of tidal rivers in west-central Florida: ecosystem analyses using multiple stable isotopes. Report prepared by the

University of South Florida College of Marine Science for the Southwest Florida Water Management District.

- Peebles, E.B. 2004. An analysis of fish and invertebrate data related to the establishment of minimum flows for the Tampa Bypass Canal. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.
- Neely, M.B., E. Bartels, J., Cannizzaro, K.L. Carder, P. Coble, D. English, C. Heil, C. Hu, J. Hunt, J. Ivey, G. McRae, E. Mueller, E. Peebles, K. Steidinger. 2004. Florida's black water event. Pp. 377-399 in: Steidinger, K.A., J.H. Landsberg, C.R. Tomas and G.A. Vargo (Eds.). *Harmful Algae 2002*. Florida Fish and Wildlife Conservation Commission, Florida Institute of Oceanography, and Intergovernmental Oceanographic Commission of UNESCO.
- Peebles, E.B. 2002. *Common Baitfishes of Florida*. Public-education poster published by the Florida Fish and Wildlife Conservation Commission.
- Peebles, E.B. 2002. An assessment of the effects of freshwater inflows on fish and invertebrate habitat use in the Alafia River estuary. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.
- Peebles, E.B. 2002. An assessment of the effects of freshwater inflows on fish and invertebrate habitat use in the Peace River and Shell Creek estuaries. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.
- Peebles, E.B. 2002. An assessment of the effects of freshwater inflows on fish and invertebrate habitat use in the Manatee-Bradley estuary. Report prepared by the University of South Florida College of Marine Science for the Southwest Florida Water Management District.
- Peebles, E.B. 1996. Ontogenetic habitat and diet selection in estuarine-dependent fishes: comparisons of observed patterns with model predictions. Doctoral dissertation, University of South Florida, Tampa, FL.
- Water and Air Research, Inc., SDI Environmental Services (one of seven preparers) 1995. Tampa Bypass Canal and Hillsborough River hydro-biological monitoring program. Report submitted to West Coast Regional Water Supply Authority, Clearwater, FL.
- Peebles, E.B. and T.L Hopkins. 1993. Feeding habits of eight fish species from Tampa Bay, with observations on opportunistic predation. Report prepared by the University of South Florida College of Marine Science for the Florida Marine Research Institute (Fisheries Statistics Section), St. Petersburg, FL.

Peebles, E.B. and M.S. Flannery. 1992. Fish nursery use of the Little Manatee River estuary: the role of freshwater discharge. Report prepared by the University of South Florida Department of Marine Science for the Southwest Florida Water Management District.

Peebles, E.B., Flannery, M.S, Matheson, R.E. and J. Rast. 1991. Fish nursery utilization of the Little Manatee River estuary: relationships to physicochemical gradients and the distribution of food resources. In: Treat, S.F.;Clark, P.A., eds. Proceedings, Tampa Bay Area Scientific Information Symposium 2. 1991 February 27 - March 1; Tampa, FL.

Peebles, E.B. 1987. Early life history of the sand seatrout, *Cynoscion arenarius*, in southwest Florida. Master's thesis, University of South Florida, Tampa, FL.

Presentations

Flannery, M.S., E.B. Peebles, X. Chen, K. Dixon, T. MacDonald, E. Estevez, and J. Loper. Assessing the effects of removing excess freshwater inflow to the lower Myakka River estuary. Coastal and Estuarine Research Federation 20th Biennial Conference, November 1-5, 2009, Portland, OR

Brame, A.B., C. McIvor, D.J. Hollander, E.B. Peebles. Using stable isotopes to better define nursery habitat of a juvenile sportfish. Coastal and Estuarine Research Federation 20th Biennial Conference, November 1-5, 2009, Portland, OR

Burghart, S.E. and E. B. Peebles. Comparisons of zooplankton assemblages in spring-fed versus surface-fed estuaries on Florida's west coast. Coastal and Estuarine Research Federation 20th Biennial Conference, November 1-5, 2009, Portland, OR

Sherwood, E.T., E.B. Peebles, M.F.D. Greenwood, E.M. Malkin, H. Greening, R.H. McMichael, Jr., L. Cross, J. Krebs, and D. Karlen. Tampa Bay tidal tributary habitat initiative project. Coastal and Estuarine Research Federation 20th Biennial Conference, November 1-5, 2009, Portland, OR

Tolley, S.G., D.C. Fugate, M.L. Parsons, B.A. Denkert, M. Andresen, K. Radabaugh, G. Ellis, S.E. Burghart; E.B. Peebles. Physical-biological interactions related to invertebrate prey production for young estuarine-dependent fishes in southwest Florida. Coastal and Estuarine Research Federation 20th Biennial Conference, November 1-5, 2009, Portland, OR

Denkert, B.A., S.E. Burghart, E.B. Peebles, S.G. Tolley. Responses of zooplankton to variable freshwater inflow in the Caloosahatchee River and estuary, Florida (poster). Coastal and

Estuarine Research Federation 20th Biennial Conference, November 1-5, 2009, Portland, OR

Peebles, E.B. and D.J. Hollander. Nitrogenous organic matter accumulation in Safety Harbor, Florida: Sources and decadal-scale trends. Fifth Bay Area Scientific Information Symposium (BASIS 5). October 20-23, 2009, St. Petersburg, FL (invited presentation)

MacDonald, T.C., R.E. Matheson, Jr., E.B. Peebles, R.H. McMichael, Jr., and M.F.D. Greenwood. Tidal creeks as nekton habitat in the Tampa Bay estuary. Fifth Bay Area Scientific Information Symposium (BASIS 5). October 20-23, 2009, St. Petersburg, FL

Brame, A., C. McIvor, E.B. Peebles, and D.J. Hollander. A more comprehensive approach for determining juvenile snook nursery habitat in a Tampa Bay wetland. Fifth Bay Area Scientific Information Symposium (BASIS 5). October 20-23, 2009, St. Petersburg, FL

Ley, J.A., C.C. McIvor, E.B. Peebles, and H. Rolls. Defining fish nursery habitats: An application of otolith elemental fingerprinting in Tampa Bay, Florida. Fifth Bay Area Scientific Information Symposium (BASIS 5). October 20-23, 2009, St. Petersburg, FL

Malkin, E., E.B. Peebles and D.J. Hollander. Using estuarine fish stable nitrogen isotopes to pinpoint land-cover nutrient origins. Fifth Bay Area Scientific Information Symposium (BASIS 5). October 20-23, 2009, St. Petersburg, FL

Malkin, E. M., E.B. Peebles, D.J. Hollander. Urban socio-economic factors affect the isotopic composition of fish muscle. Goldschmidt 2009 – “Challenges to Our Volatile Planet”, June 21-26, Davos, Switzerland

Peebles, E.B., D.J. Hollander, E.M. Malkin, C. Kovach. Concepts for Gulf-wide nitrogen endpoint & Tampa Bay pilot indicator research. Gulf of Mexico Alliance/EPA Workshop, June 9-11, 2009, Stennis Space Center, MS (invited presentation)

Ellis, G., J. McKnight, G. Herbert, E.B. Peebles, D.J. Hollander – Effect of shell formation on tissue amino acid carbon composition in the marine snail *Strombus* sp.: implications for interpreting biochemical and environmental conditions from organic matter bound in carbonate shells (poster). Isocompound '09, June 1-5, Potsdam, Germany

Peebles, E.B. Dead zones, stagnation and the water crisis: Watershed effects on estuarine communities. Charlotte Harbor National Estuary Program, Reservoir Workshop, April 13-14, 2009, Punta Gorda, FL (invited presentation)

Malkin, E.M., D.J. Hollander and E.B. Peebles. Parallel nitrogen cycles in southwest Florida's tidal rivers: Selective remineralization of algal material supports fish biomass. Ocean Sciences Meeting (AGU, ASLO), March 2-7, 2008, Orlando, FL

- Locascio, J., E. Peebles, and D. Mann. Sound production and spawning by black drum (*Pogonias cromis*) in southwest Florida. Acoustics '08, June 29-July 4, 2008, Paris, France
- Malkin, E.M., D.J. Hollander and E.B. Peebles. Nitrogen pathways that support fish in Tampa Bay's tidal tributaries. Tampa Bay Estuary Program Technical Advisory Committee Meeting, April 3, 2008, Pinellas Park, FL
- Peebles, E.B. and M.F.D. Greenwood. Convergence of spatial abundance quantiles as a measure of estuarine organism crowding during low-inflow periods. Estuarine Research Federation Biennial Conference, November 4-8, 2007, Providence, RI
- Malkin, E.M., D.J. Hollander and E.B. Peebles. Land-use specific nutrients and selective remineralization supporting fish biomass in Southwest Florida's tidal rivers. Estuarine Research Federation Biennial Conference, November 4-8, 2007, Providence, RI
- Peebles, E.B., S. Murasko, E. Malkin, D.J. Hollander. Contributions of mangroves and other primary producers to the estuarine nursery function of tidal rivers in west-central Florida; An ecosystem analysis using multiple stable isotopes. 2007 Spring Meeting of the Florida Chapter of The Wildlife Society, April 11-13, 2007, St. Petersburg, FL (invited presentation)
- English, D., K.L. Carder and E.B. Peebles. 2007. The use of a colored dissolved organic matter (CDOM) fluorometer in high CDOM waters. *Bio-Sensing in Ocean Observation* workshop sponsored by Mote Marine Laboratory and College of Marine Science, University of South Florida, Joint Center for Coastal Ocean Studies and the Florida Coastal Ocean Observing Systems Consortium, June 18-20, 2007, Sarasota, FL (poster)
- Peebles, E.B. Abundance responses to freshwater inflow: the processes behind the correlations. 2003. *When the river meets the sea: The importance of freshwater flow to Florida's marine and freshwater fisheries*. Symposium sponsored by the Florida Chapter of the American Fisheries Society, February 25-26, 2003, Brooksville, FL (invited presentation)
- Peebles, E.B. Freshwater shortages and coastal fish production: Lessons learned from Florida's annual dry season. Symposium entitled *When the Water Runs Dry*, sponsored by the Gulf Restoration Network (EPA), September 9-10, 2002 New Orleans, LA (invited presentation)
- Peebles, E.B. and M.E. Luther. Spawning and habitat responses of the bay anchovy (*Anchoa mitchilli*) to ENSO-related variation in inflows to Florida estuaries. Ocean Sciences Meeting (AGU, ASLO), February 11-15, 2002, Honolulu, HI
- Peebles, E.B. Salinity-abundance parabolas: standardized plankton tows as a means of assessing estuarine condition. Estuarine Research Federation Biennial Conference, November

3-7, 2001, St. Pete Beach, FL

Peebles, E.B. Model-based predictions of habitat and diet selection in estuarine-dependent fishes. American Fisheries Society, 20th Annual Larval Fish Conference, June 1996, New Orleans, LA

Peebles, E.B. Egg production by the bay anchovy, *Anchoa mitchilli*, in relation to adult and larval prey fields. 76th annual meeting of the American Society of Ichthyologists and Herpetologists, June 1996, New Orleans, LA

Peebles, E.B. Variable egg production and juvenile recruitment in an unexploited anchovy stock. Annual Meeting, Florida Chapter of the American Fisheries Society, March 1994, Brooksville, FL (received best student paper award).

Peebles, E.B. New recruitment analysis methods. Symposium entitled Fisheries Recruitment in Florida Waters, sponsored by Florida Sea Grant and the Florida Chapter of the American Fisheries Society, March 1989, Live Oak, FL

Peebles, E.B. Snook early life history. Third Snook Symposium, sponsored by the Florida Dept. of Natural Resources, March 1987, West Palm Beach, FL

Peebles, E.B. Larval spotted seatrout (*Cynoscion nebulosus*) population parameters. Annual Meeting, Florida Chapter of the American Fisheries Society, February 1987, Brooksville, FL

Peebles, E.B. Recruitment of sport fishes in southwest Florida. Annual Meeting, Southeastern Estuarine Research Society, May 1985, Sarasota, FL

Scientific Cruise Experience (25 cruises total)

2010 R/V Weatherbird II. Chief Scientist on oil spill cruise to northern Gulf of Mexico. CDOM fluorometry, backscatter, sonar, CTD-rosette casts, Shipek grabs, glider deployment, water chemistry, deep-slope trawling.

2010 R/V Bellows. Chief Scientist on two teaching cruises to Tampa Bay and the eastern Gulf of Mexico. Plankton net, trawling and CTD-rosette demonstrations.

1996-1998 R/V Tommy Munro, R/V Hermes, M/V Bill Demoran. Chief scientist on fifteen teaching cruises to nearshore and continental shelf waters of Mississippi and Louisiana. Activities included sampling of marine organisms using trawl, plankton net, benthic grabs, and Niskin-bottle filtrations.

1991-1992 R/V Suncoaster. Performance testing of new optical plankton-counter/

fluorometer/ CTD apparatus in diverse environments on West Florida Shelf. Ground-truthing was achieved through opening/closing bongo net tows, filtrations of Niskin-bottle hydrocasts and chlorophyll extractions.

- 1990-1991 R/V Bellows. Two cruises to West Florida Shelf to continue investigation of decompression-recompression mortality of groupers using pressurized free vehicles and shipboard compression chambers.
- 1990 R/V Suncoaster. Deep-slope trawling on Florida Escarpment and pilot investigation of decompression/recompression mortality of groupers on West Florida Shelf using pressurized free vehicles.
- 1989 R/V Suncoaster. Instructor on teaching cruise to West Florida Shelf; responsibilities included identification of trawl catch and demonstration of plankton net deployment, Niskin-bottle hydrocasts, and CTD electronics.
- 1987 R/V Cape Hatteras. Deep-slope trawling on Florida Escarpment, (West Florida Shelf) within DeSoto Canyon, and off the Mississippi River delta to collect macrourid fishes for molecular systematics study.
- 1983 R/V Bellows. Teaching cruise to West Florida Shelf, Florida Current, Marquesas Keys and Dry Tortugas, Florida.