

SFERPM FY97-FY99: Funded Research

Atmospheric Science



Frank Marks and Paul Willis

Monitoring and Evaluation of Radar Measured Rainfall Over Florida Bay and the Everglades

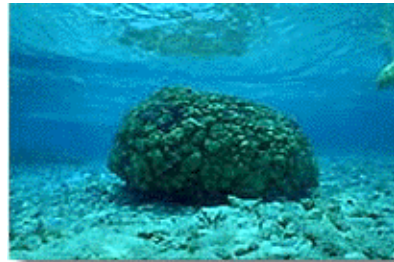
Craig Mattocks

Simulations of Regional Climatic Patterns which Impact the Florida Bay Water Cycle

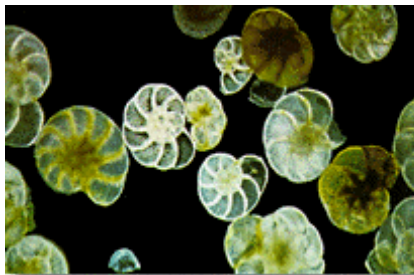
Ogden et al.

A Workplan for Continued Operation, Maintenance, and Enhancement of the SEAKEYS Environmental Monitoring Network: Florida Bay and Florida Keys National Marine Sanctuary
(John Ogden, Sandra Vargo, and James Hendee)

Coral Reef Monitoring



Earth Science



Nelsen et al.

The Sediment Record as a Monitor of Natural and Anthropogenic Changes in the Lower Everglades/Florida Bay Ecosystem: A High Resolution Study
(Terry Nelsen, Patricia Blackwelder, Harold Wanless, John Trefry, Peter Swart, and Lenore Tedesco)

George Jackson and Adrian Burd

Development of Models to Describe Ecosystem Interactions in Florida Bay

Ecological Modeling



Marine Chemistry



Frank Millero and Jia-Zhong Zhang

The Role of Suspended Calcium Carbonate in the Phosphorus Cycle in Florida Bay

Burnett et al.

The Role of Groundwater Nutrient Fluxes in the Nutrient Budget of Florida Bay
(William Burnett, Jeffrey Chanton, Thomas Juster, Larry Brand, and Zafer Top)

Gary L. Hitchcock and Gabriel Vargo

Circulation, Nutrient Influx, and Phytoplankton Growth in Florida Bay

Szmant et al.

Pools and Fluxes of Nutrients in Florida Bay Sediments, and Biological and Chemical Barriers to Flux at the Sediment-Water Interface
(Alina Szmant, Larry Brand, Paul Carlson, and Laura Yarbro)

Pai-Yei Whung and Tilden Meyers

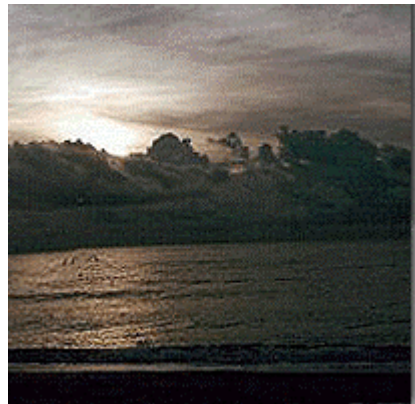
Atmospheric Deposition of Nitrogen and Phosphorus

Physical Oceanography

Aikman et al.

Regional Boundary Conditions for Florida

Nutrients





Bay
(Frank Aikman III, William O'Connor, and George Mellor)

Lee et al.

Circulation and Exchange of Florida Bay and the Connecting Waters of the Gulf of Mexico and Florida Keys
(Thomas Lee, Elizabeth Johns, and Doug Wilson)

Ned Smith

Field Observations to Initialize and Verify Computer Simulations of Florida Bay Circulation

Plankton



Dagg et al.

Trophic Pathways in the Pelagic Environment of Florida Bay
(Michael Dagg, Gary Kleppel, and Peter Ortner)

Recruitment
Dyn./Fisheries



Don Hoss and Gordon Thayer

Fish Recruitment, Growth, and Habitat Use in Florida Bay

For more detailed project descriptions, please click on the highlighted investigator(s).

For a statement of research goals, click on the adjacent picture title.

Last **UPDATED** on 11/21/00