

Coastal Management Projects Funded for Grant Cycle October 1, 1995 - June 30, 1997

PROJECT: Visioning the Revitalization of St. Andrews

CONTACT:

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Project Director
City of Panama City
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Panama City, FL 32401
(850)872-7208

FCMP FUNDING AMOUNT: \$62,750

DESCRIPTION: The urban waterfront community of St. Andrews, located in Panama City, has experienced significant physical and economic decline for the last twenty years. Past attempts at revitalization have failed due to lack of public support. This project seeks to use a grassroots visioning effort to create a revitalization plan that is realistic, reflects multiple funding sources, recommends regulatory changes, and has broad public support.

PROJECT: Florida Assessment of Coastal Trends (FACT)

CONTACT:

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Management Consultant
Florida State University
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FCMP FUNDING AMOUNT: \$175,120

DESCRIPTION: This project builds upon the development of an indicator system for Florida's coastal areas - Florida Assessment of Coastal Trends (FACT) - prepared for the Florida Coastal Management Program by the Florida Center for Public Management (FCPM) of the Florida State University during FY 94-95. Eight strategic issues affecting coastal areas were identified and a series of indicators were developed for each of those issues capable of measuring trends. The FY 95-96 project extends the work begun in this first version of FACT by:

1. Collecting additional indicators identified but not collected in the first version of FACT for reasons of expense, difficulty of collection or analytical complexity;
2. Preparing and publishing a Florida State of the Coast report based upon the indicators and other coastal data and information;
3. Preparing and publishing a second, expanded version of the Florida Assessment of Coastal Trends indicator manual, incorporating updated indicators and new indicators developed in (1) above;
4. Displaying, contingent upon the establishment of an Internet node by FCMP, each of these products in a browser-driven, graphical format on the Internet.

PROJECT: Governor's Commission for a Sustainable South Florida

CONTACT:

Mollie Palmer
Senior Executive Assistant
Department of Environmental Protection
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Tallahassee, FL 32399-3000
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FCMP FUNDING AMOUNT: \$414,570

DESCRIPTION: The water quality of the many surface waters of the Everglades Ecosystem has been degraded, or is in danger of degradation, and the natural systems associated with the Everglades, such as Florida Bay, have been altered so that they no longer fulfill the important function they once performed. Yet the South Florida economy is dependent on these very systems. The Governor's

Commission for a Sustainable South Florida will serve as a coordination mechanism to focus the many competing interests in South Florida on a restoration and management solution that will provide for sustainable economic development that can coexist with a healthy Everglades Ecosystem. This project provides staff support to the Commission.

PROJECT: Jensen Beach CRA River Access

CONTACT:

Robert P. Franke
Senior Planner
Martin County
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Stuart, FL 34996
(561)288-5927

FCMP FUNDING AMOUNT: \$85,000

DESCRIPTION: The riverfront (Indian River Estuary) within the Jensen Beach Community Redevelopment District is suffering from an antiquated stormwater system which sends runoff directly into the Indian River Lagoon. There is an additional problem of inadequate public access to and education about this valuable aquatic resource in this rapidly growing area. The Jensen Beach Redevelopment Agency has proposed as part of its plan for revitalization of this area the creation of an educational river walk which incorporates stormwater retention structures (and required easements) in its design. This project will design a solution to the above stated problems, including retention structures and required easements, in a way that will increase public respect, awareness and understanding of this valuable source.

PROJECT: Watershed Water Quality/Habitat Assessment

CONTACT:

Michael Shirley
Department of Environmental Protection
Rookery Bay National Estuarine Research Reserve
10 Shell Island
Naples, FL 33962
(813)775-8845

FCMP FUNDING AMOUNT: \$111,504

DESCRIPTION: Southwest Florida is one of the fastest growing areas in the nation. The rapidly expanding population, and associated activities, can have adverse effects on the natural systems surrounding them. For example, nonpoint source pollution runoff from agriculture, golf courses, construction, nurseries and lawns can negatively impact the natural communities downstream of the source. This project will look at areas where nonpoint source runoff is affecting the downstream communities. Water and sediment samples upstream of Rookery Bay National Estuarine Research Reserve (NERR) and the Ten Thousand Islands Aquatic Preserve will be analyzed for nutrients, pesticides and heavy metals to identify probable sources of pollution. Watershed land use patterns will be mapped and compared to these water quality data to target areas of primary concern. A combination of educational and resource management strategies will be developed to promote best management practices and land conservation within the watershed. Historic flowways, as identified in the Watershed Management Plan for Rookery Bay NERR and the Ten Thousand Islands Aquatic Preserve, will be used as a guide for land conservation. In addition, an estuarine biomonitoring program will be initiated to gauge the effectiveness of various management practices at reducing nonpoint source pollutant impacts.

PROJECT: Statewide Ocean Resource Inventory

CONTACT:

Christopher Friel
Research Administrator II
Department of Environmental Protection
100 Eighth Avenue SE
St. Petersburg, FL 33041-1409
(813)896-8626

FCMP FUNDING AMOUNT: \$143,553

DESCRIPTION: A comprehensive inventory of the resources and uses of Florida's coastal marine environments is required before a comprehensive ocean policy can be developed. Florida's ocean policy should be based on the best information available, and where data gaps exist, a systematic approach to filling these information voids should be implemented. This project addresses the need by developing a data assessment, information base, and distribution mechanism that can be used to facilitate a state ocean policy and provide state, regional and local managers with much-needed local marine resources information to adequately implement local growth management and marine resources policy. The project activities have been specifically designed to augment, enhance, and extend the 1994/95 Coastal Zone Management funded efforts of South Florida Regional Planning Council relative to information base development.

PROJECT: Apalachicola Bay Urban Stormwater Impact Analysis

CONTACT:

Ron Bartel, Director
Resource Management Division
Northwest Florida Water Management
District
Route 1, Box 3100
Havana, FL 32333-9700
(850)539-5999

FCMP FUNDING AMOUNT: \$80,480

DESCRIPTION: As part of an overall water quality management strategy for Apalachicola Bay, the Northwest Florida Water Management District (NFWFMD) will closely examine the impacts of urban stormwater runoff on the bay. Specifically, the NFWFMD will monitor and characterize the quality and quantity of stormwater runoff from urbanized coastal communities and apply a computer simulation model to comprehensively evaluate the stormwater status of the largest community on the bay, the City of Apalachicola. Model results and monitoring data will be used to analyze pollutant loading impacts, evaluate the capacity of system conveyances, determine the potential for flood hazards, and consider the potential for stormwater improvements.

PROJECT: North East Florida Coastal American Assembly

CONTACT:

Paul Haydt
Environmental Specialist IV
St. Johns River Water Management
District
Post Office Box 1429
Palatka, FL 32178-1429
(904)329-4303

FCMP FUNDING AMOUNT: \$37,950

DESCRIPTION: The Northeast Florida coastal estuaries presently lack interagency coordination to effectively address potential increasing coastal nonpoint source pollution impacts associated with the current development trends of the area. The implementation of a consensus building process will result in the development of a comprehensive management plan and the establishment of effective professional, political and citizen partnerships. The coordinated network will be instrumental in supplying the talent and effort required to fund and implement the management recommendations necessary to improve and maintain water and coastal wetlands.

PROJECT: Stormwater Impact on Savannas State Reserve

CONTACT:

Gregory Graves
Southeast District Section Supervisor
Department of Environmental Protection
1801 SE Hillmoor Boulevard
Port St. Lucie, FL 34952
(561)871-7662

FCMP FUNDING AMOUNT: \$23,000

DESCRIPTION: The Savannas State Reserve is located in Class III waters and Outstanding Florida Waters (OFW) in coastal St. Lucie and Martin counties, hydraulically and biologically interconnected to the Indian and St. Lucie Rivers OFWs. The Reserve presently receives untreated, uncontrolled stormwater runoff which is having an adverse impact on water quality. The areal extent and exact cause of the degradation needs adequate characterization, so that an acceptable solution to this problem may be successfully formulated (e.g., redirection of the runoff or construction of Best Management Practices stormwater control and/or treatment). This project will establish a network of twenty strategically located biological and chemical sites. These sites will be sampled on a quarterly basis. The information obtained from the analysis of these samples will be used to generate various numerical biological metrics (species diversity, total toxicology, etc.). In connection with chemical data made available by this study, biological metrics will enable the construction of a spatial analysis of the areas currently being impacted or not by the stormwater discharge. Once the extent and nature of the areas of impact or absence of impact are known, it can then be determined how these problems can or should be addressed.

PROJECT: Development of State Underwater Archaeological Preserves

CONTACT:

Roger Smith
Underwater Archaeologist
Department of State
R.A. Gray Building
Tallahassee, FL 32399
(850)487-2299

FCMP FUNDING AMOUNT: \$44,678

DESCRIPTION: This project will develop a public access program for coastal heritage sites by assisting Bay County in the establishment of state underwater archaeological preserves on historic shipwrecks, to be accompanied by public workshops, a museum exhibit, and interpretive literature. This coastal heritage program will be promoted in other regions of the state as an example of public participation in the preservation of underwater cultural resources.

PROJECT: Post-Disaster Reconstruction Land Development Regulations

CONTACT:

Theodore Strader
City Planner
City of Key West
Post Office Box 1409
Key West, FL 33041
(305)292-8229

FCMP FUNDING AMOUNT: \$6,000

DESCRIPTION: This project will use staff and a planning consultant to draft and seek adoption of ordinances and written internal policies regarding post-disaster redevelopment. Such ordinances and policies will include procedures for immediate recovery activities and permitting of necessary immediate construction activities as well as more long-term implementation of permitting scheduling, identification of damaged infrastructure and plans for its replacement, and identification of potential redevelopment areas within the City of Key West.

PROJECT: Coastal Hazard Plan for Briny Breezes

CONTACT:

Rita L. Taylor
Town Clerk
Town of Briny Breezes
5000 N. Ocean Boulevard
Boynton Beach, FL 33435
(407)737-0188

FCMP FUNDING AMOUNT: \$24,000

DESCRIPTION: The Town of Briny Breezes is a community of mobile homes and businesses located on the Atlantic Ocean in Palm Beach County. Under cooperative form of land ownership, the citizens and residents of the Town own the mobile homes in which they reside and the individual land units on which they are located. Planning is needed to fully prepare the town's mobile home residents, the business establishments, the community buildings and the town's water and sewer utility system in advance of a hurricane to mitigate storm damage. Additional planning is needed to speed immediate post-disaster recovery and to provide for the long-range rebuilding of the community. In carrying out the project, the Town will create an ad hoc citizen's committee to investigate and study the problem areas. The committee, with input from the general public, professional consultants and applicable government agencies, will formulate and recommend appropriate programs and submit final plans to the Town's Planning and Zoning Board for review and recommendation to the Town Council. The Council will then adopt the plans and make necessary amendments to the Town's Comprehensive Land Use Plan and its Land Development Regulations by ordinance.

PROJECT: Hazard Mitigation/Redevelopment Plan and Ordinance

CONTACT:

Ken Koch
Planning Director
Flagler County
1200 E. Moody Boulevard, #2
Bunnell, FL 32110
(904)437-7484

FCMP FUNDING AMOUNT: \$74,738

DESCRIPTION: Flagler County, with twenty-six miles of Atlantic coastline, is subject to substantial damage from hurricane and tropical storm impacts. The county is currently one of the fastest growing counties in Florida and is projected to experience extensive future development. Much of this development will be in the coastal zone. Current infrastructure, comprehensive plan elements and regulations are not adequately related to expected development. This project will result in the adoption of county policies, plan elements and ordinances to address concerns related to hazard mitigation, post-disaster redevelopment and protection of coastal resources.

PROJECT: Waterfront Park/City of Gulfport

CONTACT:

Michael Bonfield
Community Service Director
City of Gulfport
3050 Beach Boulevard South
Gulfport, FL 33707
(813)893-1067

FCMP FUNDING AMOUNT: \$42,000

DESCRIPTION: The city purchased a vacant and undeveloped waterfront parcel and is constructing a passive park setting which will protect the last undeveloped parcel and enhances the area by extending the municipal-owned waterfront.

PROJECT: New River Restorative Dredging Program

CONTACT:

James Brietenstein
Environmental Resources Manager
City of Ft. Lauderdale,
Public Service Department
Post Office Drawer 14250
Ft. Lauderdale, FL 33302
(954) 492-7806

FCMP FUNDING AMOUNT: \$50,000

DESCRIPTION: The City of Fort Lauderdale and Broward County have developed a plan to improve water quality and ecological conditions in a one-mile segment of the North Fork of the New River. The project includes removal of 7,200 cubic yards of sediments in an area with elevated concentrations of several trace metals and reduced biological communities, removal of sediments from a shoal area to restore the river channel and improve its flushing characteristics, installation of sediment traps in two stormwater outfalls that discharge to the North Fork to reduce the future rate of sedimentation, and creation of a wetland system between the largest stormwater outfall and the river channels to provide water quality improvement and habitat for aquatic animals.

PROJECT: Coastal Springs Restoration Project

CONTACT:

Gary W. Maidhof
Environmental Planner
Citrus County Department of Development Services
1300 South Lecanto Highway
Lecanto, FL 34461
(352) 746-4223

FCMP FUNDING AMOUNT: \$50,000

DESCRIPTION: The citrus county coast contains an extensive saltmarsh, surrounded by a series of rivers, a number of which contain first magnitude stenothermal springs at their headwaters. This project is removing built-up sediment and detritus from the spring vents and surrounding areas on and the near the Crystal River/Kings Bay. The sediments reduce water quality and promote algae formation. A pilot program is also restoring native vegetation to stabilize and buffer the area to stop the recurrence of the problem