

FLORIDA COASTAL MANAGEMENT PROGRAM

FY 05-06 COASTAL PARTNERSHIP INITIATIVE PROJECTS

REMARKABLE COASTAL PLACES

PROJECT: *Manatee Island Environmental Learning Center*
Daytona Beach Partnership/City of Daytona Beach

CONTACT: Robert Edwards
355 North Beach St., Daytona Beach, FL 32114
Tel: (386) 671-3272

FCPM FUNDING: \$50,000

DESCRIPTION: The Daytona Beach Partnership will manage, coordinate and market Manatee Island as envisioned in the City's redevelopment plan. Project tasks include clean-up, design and planning of Riverfront Park and migratory bird habitat; implementation of plans (enhancing bird habitats and landscaping); promoting market accomplishments; and other administrative duties associated with the learning center.

PROJECT: *Developing a Master Plan for Miami's Virginia Key*
City of Miami

CONTACT: Robert Ruano
444 S.W. 2nd Ave., Miami, FL 33130
Tel: (305) 416-1532

FCMP FUNDING: \$50,000

DESCRIPTION: The City of Miami will develop a master plan for Virginia Key that will focus on mixed-use waterfront development, restoration of tidal flow, protection of wetlands and upland habitats along an interpretive trail, and other island-wide improvements. Project tasks are: obtain survey and site analysis of existing conditions of the Key; conduct community meetings and a workshop; draft preliminary and final master plans; and develop the master plan website and public information bulletins. For more information on the Virginia Key Master Plan, visit http://www.edsaplan.com/Virginia_Key/home.html.

COMMUNITY STEWARDSHIP

PROJECT: *Cooper's Point*
City of Clearwater

CONTACT: Heather Faessler
P.O. Box 4748, Clearwater, FL 33758-4748
Tel: (727) 572-4897

FCMP FUNDING: \$50,000

DESCRIPTION: The City of Clearwater will construct a bird observation tower on Cooper's Point, a 75-acre preserve of uplands and wetlands located along Old Tampa Bay.

PROJECT: *Coastal Dune Lake Program*
Choctawhatchee Basin Alliance

CONTACT: Phillip Ellis
Okaloosa-Walton College
100 College Blvd., Niceville, FL 32578
Tel: (850) 650-9330

FCMP FUNDING: \$27,000

DESCRIPTION: The Choctawhatchee Basin Alliance (CBA) is a non-profit organization that addresses the ecological needs of the globally rare and imperiled coastal dune lakes in Walton County. CBA members will gather

data on water quality parameters and work to locate and eliminate pollutant sources based on monitoring results. FCMP funds will provide partial support for salaries, monitoring equipment, educational outreach and supplies.

PROJECT: *Native Miami: Community Stewardship at Virginia Key*

City of Miami

CONTACT: Robert Ruano

444 S.W. 2nd Ave., Miami, FL 33130

Tel: (305) 416-1532

FCMP FUNDING: \$37,440

DESCRIPTION: The City of Miami will coordinate a community volunteer effort to remove exotic species and replant native vegetation on Virginia Key, an environmentally-sensitive island located in Biscayne Bay. Project tasks include: conduct survey of areas to be reforested to serve as baseline report; coordinate volunteer outreach orientation and meetings; remove exotics and replant native species; and educate the public on exotics and native plants.

[ACCESS/COASTAL RESOURCES](#)

PROJECT: *Deering South Addition: Phase II Design & Permitting*

Miami-Dade County

CONTACT: Sarah Bentley

275 N.W. 2nd Street, Miami, FL 33128

Tel: (305) 755-7947

FCMP FUNDING: \$50,000

DESCRIPTION: This project involves the design of passive recreational facilities, including a canoe launch, shelters, environmentally-sound restrooms and water facilities at the Deering South Addition, part of the Deering Estate, located on Biscayne Bay and managed by Miami-Dade County Parks Department. Project tasks include surveying environmental resources; meeting with regulatory agencies on park design; and preparation of construction documents, drawings and permitting package. For more information on the Deering Estate, visit <http://www.deeringestate.com/park/>.

PROJECT: *Indrio Blueway Lagoon Access*

St. Lucie County

CONTACT: Bill Hoeffner

2300 Virginia Avenue, Fort Pierce, FL 34982

Tel: (305) 755-7947

FCMP FUNDING: \$20,000

DESCRIPTION: FCMP funds will be used to construct a fishing/observation pier in the Indrio Blueway Preserve, located in St. Lucie County along the Indian River Lagoon. The pier will serve as an alternate to shoreline fishing, wading and crabbing, and the tower will provide access for natural viewing opportunities.

PROJECT: *Watson Island Baywalk Project*

City of Miami

CONTACT: Robert Ruano

444 S.W. 2nd Ave., Miami, FL 33130

Tel: (305) 416-1532

FCMP FUNDING: \$50,000

DESCRIPTION: The City of Miami intends to construct a retaining/seating wall on Watson Island as part of a larger Baywalk development to increase public use on this spoil island located in Biscayne Bay. Project tasks include preparation of site and conceptual designs and permit drawings, consulting with regulatory agencies, and acquisition of state and federal permits. A map of Watson Island is available at <http://www.ci.miami.fl.us/PublicFacilities/pages/WatsonIsland/>.

WORKING WATERFRONTS

PROJECT: *Port St. Joe Waterfront/Downtown District Revitalization*
City of Port St. Joe

CONTACT: Carol Davis
305 Cecil G. Costin Sr., Blvd., P.O. Box 278, Port St. Joe, FL 32457
Tel: (850) 229-8261

FCMP FUNDING: \$50,000

DESCRIPTION: The City of Port St. Joe will revise and update its redevelopment plan in order to address water-dependent business; prioritize job opportunities; and identify waterfront recreational/cultural opportunities. Project objectives include developing a revised redevelopment plan and a master plan (developed with input from stakeholder workshops), and design of architectural depictions of the waterfront district.

PROJECT: *Panacea Special Area Plan Development*
Wakulla County Board of County Commissioners

CONTACT: Pam Portwood
P.O. Box 309, Crawfordville, FL 32326-0309
Tel: (850) 926-0909

FCMP FUNDING: \$25,000

DESCRIPTION: As a Waterfronts Florida Community, Panacea strives to create an economically and environmentally sustainable community based on the area's historic and natural resources. Towards this goal, Panacea will assess the physical condition of the waterfront, conduct workshops based on data obtained, identify an Overlay Zoning District, and prepare a Special Area Plan. The Plan will provide a mechanism to establish and enforce standards set by the Panacea community.

PROJECT: *Comprehensive Plan Update for Inglis, Florida*
Town of Inglis

CONTACT: Robert Allen
135 W. Main Street, Inglis, FL 34449
Tel: (352) 447-4858

FCMP FUNDING: \$32,000

DESCRIPTION: The Town of Inglis will revise its comprehensive plan and land development code in order to guide anticipated future growth. The revised plan and code will be based on input from community visioning workshops and data gathered on future land use, capital improvements and economic development.

GRANTS TO STATE AGENCIES AND WATER MANAGEMENT DISTRICTS

PROJECT: *Data Collection to Support Development of Minimum Flows and Levels in Rivers of the Northern Florida Big Bend Region.*

DESCRIPTION: In order to protect streams, wetlands and coastal waters from water withdrawal and use impacts, the Suwannee River Water Management District (SRWMD) is establishing minimum flows and levels (MFL) for priority water bodies. Toward this outcome, the SRWMD will: conduct short-term surveys in the estuaries of the Aucilla, Econfinia and Steinhatchee Rivers to characterize spatial and temporal salinity dynamics and related biological gradients; and develop MFL criteria for each river, which will be available for consideration in the water use permitting process.

AGENCY: Suwannee River Water Management District

CONTACT: David Hornsby

FCMP FUNDING: \$87,500

PROJECT: *Survey of Harmful Microalgae in the Ballast Water of Foreign Ships and in the Sediments and Water of the Port of Tampa and Port Manatee.*

DESCRIPTION: Ballast water released from international vessels visiting ports such as Tampa is likely to introduce invasive species to coastal waters where harmful microalgal species from warm and tropical waters may survive and grow. In order to assess this potential risk, the Florida Fish & Wildlife Conservation Commission will conduct sampling of ballast water and sediment in Tampa ports to provide baseline data on the species in the ballast tanks of ships. Project tasks include sampling ballast water and sediment of foreign ships for harmful microalgae using established protocols; identifying microalgae and cysts; providing monitoring recommendations; and making recommendations for treatment protocols and ballast water management. For more information on microalgae in ballast water and sediments, go to http://research.myfwc.com/features/view_article.asp?id=23967.

AGENCY: Florida Fish & Wildlife Conservation Commission, Fish & Wildlife Research Institute

CONTACT: Bill Richardson

FCMP FUNDING: \$55,814

PROJECT: *Project Greenshores Site II.*

DESCRIPTION: A series of salt marsh and oyster reefs is being created along the shore of Pensacola Bay which will provide critical habitat for fish and wildlife, add shoreline stabilization and enhance the bayfront. Grant funds will be used for transport and placement of sand to create saltmarsh intertidal areas; and for purchase and placement of limestone rock, wave attenuators or recycled concrete for the breakwater. To read more on Project Greenshores, visit <http://www.dep.state.fl.us/northwest/Ecosys/section/greenshores.htm>.

AGENCY: DEP Northwest District Office

CONTACT: Eric Schneider

FCMP FUNDING: \$100,000

PROJECT: *Acquisition of Hyperspectral and High Resolution Imagery for St. Joseph Bay Aquatic Preserve.*

DESCRIPTION: In order to enhance research, analysis and monitoring of the St. Joe Bay aquatic preserve, high resolution aerial and hyperspectral imagery will be obtained to produce baseline maps of seagrass beds, scars, habitat, coastal development and bathymetry. The data will facilitate a quantitative analysis of aquatic preserve resources. Successful use of this technology will facilitate its application in other Aquatic Preserves throughout the state.

AGENCY: DEP, Office of Coastal & Aquatic Managed Areas

CONTACT: Ellen McCarron

FCMP FUNDING: \$125,000

PROJECT: *Acute & Chronic Effects of Phycotoxins on Seabirds in Southwest Florida.*

DESCRIPTION: The Fish & Wildlife Research Institute will assess the body burden of brevetoxin in seabird and shorebird populations through analysis of blood spectra, to determine if there is a relationship between toxic events caused by red tides and neurological disorders in sea- and shorebirds. This data will give insight into the trophic dynamics of coastal ecosystems and coastal eutrophication, and will fuel the effort to upgrade local and state management of nutrient discharges.

AGENCY: Florida Fish & Wildlife Conservation Commission, Fish & Wildlife Research Institute

CONTACT: Jan Landsberg

FCMP FUNDING: \$34,592

PROJECT: *Alligator Creek Habitat Restoration Project.*

DESCRIPTION: This project involves the restoration of 33 acres of mesohaline/estuarine and oligohaline habitats in Alligator Creek, located in the Charlotte Harbor State Buffer Preserve, which have been affected by hydrologic alternations, water quality degradation and habitat loss. Restoration activities include the removal of exotic vegetation and backfilling of drainage ditches to restore altered hydroperiods and associated habitats.

AGENCY: Southwest Florida Water Management District

CONTACT: Paul Miselis

FCMP FUNDING: \$120,000

PROJECT: *Waterfronts Florida Partnership Implementation.*

DESCRIPTION: The Department of Community Affairs is the lead agency for the Waterfronts Florida Partnerships Program, which designates Waterfronts Florida communities every two years. This project provides \$25,000 in FCMP funds to each of the newly designated communities to develop vision plans and/or refine existing waterfront revitalizations plans. Visit <http://www.dca.state.fl.us/fdcp/dcp/waterfronts/index.cfm> for more information on the Waterfronts Florida program.

AGENCY: Department of Community Affairs

CONTACT: Jennifer Carver

FCMP FUNDING: \$75,000

PROJECT: *DCA Coastal Program Support.*

DESCRIPTION: FCMP funds will be used to continue a program of coordination, technical support, and review through the DCA Division of Community Planning to evaluate federal actions for consistency with the FCMP and to assist local governments in dealing with the impacts of coastal development. The Division is primarily responsible for various growth management initiatives of the state, including the Development of Regional Impact process, the Areas of Critical State Concern program, and the local government comprehensive planning process.

AGENCY: Department of Community Affairs

CONTACT: Beth Frost

FCMP FUNDING: \$40,000

PROJECT: *Seagrass Management.*

DESCRIPTION: The DEP Office of Coastal & Aquatic Managed Areas will continue a statewide initiative to restore and conserve seagrasses by focusing the initiative in the Florida Keys; outreach and education efforts will also be conducted in association with a restoration program. Project tasks include 1) marking of significant seagrass meadows subject to repeated propeller scarring; 2) conducting surveys and generate maps of marine debris on seagrass habitats in the Coupon Bight aquatic preserve; and 3) increasing awareness of residents and tourists on the importance of seagrasses.

AGENCY: DEP, Office of Coastal & Aquatic Managed Areas

CONTACT: Ellen McCarron

FCMP FUNDING: \$70,000

PROJECT: *Florida BlueWays Strategic Implementation.*

DESCRIPTION: Over successive years, the Fish & Wildlife Research Institute (FWRI) has compiled data on marine recreational fishing/boating components for a GIS-based information management tool. The focus of this project is to 1) continue activities with the boating work group to address boating related issues and research, 2) continue the Sarasota, Charlotte & Lee county boating survey; and 3) continue to make information accessible by integrating data into an internet map service (IMS), such as the Coastal Resource Information System, a related FWRI/FCMP project. The IMS will include information on boat speed zones, manatee protection zones, resource protection areas, aids to navigation, boat ramps, marinas, navigation channels, and other boating-related data. For more information on Florida BlueWays, visit http://research.myfwc.com/features/category_sub.asp?id=5726.

AGENCY: Florida Fish & Wildlife Conservation Commission/FWRI

CONTACT: Bill Sargent

FUNDING AMOUNT: \$140,000

PROJECT: *Coastal Resource Information System.*

DESCRIPTION: This project will expand the internet-based Coastal Resource Information System to include information on existing management of boating on Florida waterways. Regulations that manage speed, access and permissible activities within specific waterways will be identified, documented and incorporated into an eventual

state-wide GIS database for use with the Coastal Resource Information System. The data will assist the Florida Fish & Wildlife Conservation Commission and its partners to implement more effective waterway management.

AGENCY: Florida Fish & Wildlife Conservation Commission

CONTACT: Henry Norris

FUNDING AMOUNT: \$150,000

PROJECT: *Waterfronts Florida Partnership Development.*

DESCRIPTION: The Florida Department of Community Affairs will continue to provide technical assistance to designated Waterfronts Florida communities and other coastal communities to: 1) facilitate implementation of revitalization initiatives, economic development, environmental/cultural resource preservation and hazard mitigation; 2) develop the Waterfronts Florida (WFP) Partnership Network to operate as a peer support organization; 3) expand outreach materials and internet tools to provide information about the WFP; and 4) assess the future direction of the WFP to determine successes, focus areas and program methodologies. FCMP funds will support administrative tasks associated with these objectives. For more information on Waterfronts Florida Partnership Program, visit <http://www.dca.state.fl.us/fdcp/dcp/waterfronts/index.cfm>.

AGENCY: Department of Community Affairs

CONTACT: Jennifer Carver

FUNDING AMOUNT: \$90,000

PROJECT: *CAMA Enhancement Projects.*

DESCRIPTION: The DEP Office of Coastal & Aquatic Managed Areas (CAMA) is undertaking a long-term project to revise obsolete management plans for the state's Aquatic Preserves and to promote public awareness and support of the aquatic preserve system. In this phase, CAMA will continue to hold public workshops to obtain stakeholder support in order to produce a system-wide management plan, which will be the foundation for more detailed site plans. CAMA staff will also compile and publish the site plan for the St. Joe Bay Aquatic Preserve as well as components of other aquatic preserve site plans.

AGENCY: DEP, Office of Coastal & Aquatic Managed Areas

CONTACT: Ellen McCarron

FUNDING AMOUNT: \$50,000

PROJECT: *National Estuarine Research Reserve Training Activities.*

DESCRIPTION: Over the past several years, the state's three national estuarine research reserves (NERR) have conducted workshops to provide information on coastal systems to raise awareness of resource management issues, and illustrate the benefits of science-based information in decision-making. Through FCMP funding, the NERRs will continue coastal management training for decision-makers to address issues such as water quality protection, comprehensive planning, and management of living marine resources. In order to strengthen the training program, Rookery Bay NERR staff will develop a pilot implementation plan and examine results of a needs assessment to integrate the information into a curriculum and implementation plan on land use and coastal resources. NERR staff will also develop a strategic plan based on interviews for NERR partners to recommend improvements to the program. Visit <http://www.rookerybay.org/CTP-Home.html> for more information on coastal management training at Rookery Bay and other NERRs.

AGENCY: DEP, Office of Coastal & Aquatic Managed Areas

CONTACT: Tabitha Stadler

FUNDING AMOUNT: \$50,000

PROJECT: *Implementation of Improved On-Site Sewage Treatment and Disposal Systems (OSTDS) Management.*

DESCRIPTION: The goal of this project is to improve the maintenance of OSTDS that do not have operating permits through local initiatives based on the USEPA "Voluntary National Guidelines for Management of Onsite and Clustered Wastewater Treatment Systems." Project tasks include 1) establishing an advisory work group which will select materials to be included in public service announcements (PSA) on the proper care and maintenance of onsite sewage systems; and 2) design and production of PSA storyboards for distribution to television stations.

AGENCY: DEP, Division of Water Resource Management

CONTACT: Patti Sanzone

FUNDING AMOUNT: \$112,000

PROJECT: *Clean Marina Program.*

DESCRIPTION: This project continues implementation of the Clean Marina designation program for boaters, marina & boatyard operators and boat retailers. FCMP funds will be used for supplies, outreach materials, spill kits, bilge socks and secondary oil containment units. For more information on Florida's Clean Marina Program, visit <http://www.dep.state.fl.us/law/clean/marina/default.htm>.

AGENCY: DEP, Division of Law Enforcement

CONTACT: Brenda Leonard

FUNDING AMOUNT: \$70,000

PROJECT: *St. Andrews Bay Boating Characterization.*

DESCRIPTION: The Florida Fish & Wildlife Conservation Commission (FWC) will transfer its boating characterization methodology to St. Andrews Bay and adjacent waters, and work with federal, state and local agencies to incorporate use of the data in addressing resource protection, waterway management and public access issues. Through consultation with stakeholders, the FWC will refine the previous boating characterization to produce information applicable to Bay County for use in development of a marine facility siting plan or recreational surface water use element. The intent is to actively integrate waterways and waterfronts issues into growth management practices and policies. Visit http://research.myfwc.com/features/category_sub.asp?id=5726 for more information on Florida BlueWays.

AGENCY: Florida Fish & Wildlife Conservation Commission/FWRI

CONTACT: Bill Sargent

FUNDING AMOUNT: \$93,663

PROJECT: *Harmful Algal Bloom (HAB) Coordination & Outreach.*

DESCRIPTION: The Florida Department of Health (DOH) has identified a number of public health response, outreach and education needs related to harmful algal blooms (HAB), including implementation of consistent public health strategies through county-specific public health response plans; consensus on appropriate HAB response measures; improved public notification of bloom events; and timely dissemination of current research results. FCMP funds will be used to fund one element of the HAB response strategy: the development of a website to disseminate HAB-related information on health advisories, outbreak events, environmental testing, the status of red tide and blue-green algae blooms, and information on seafood safety, including shellfish, puffer fish, crabs and other potential HAB exposure routes. Visit <http://www.doh.state.fl.us/environment/community/aquatic/index.html> for more information on HAB and related activities and research at the Department of Health.

AGENCY: Department of Health

CONTACT: Andy Reich

FUNDING AMOUNT: \$50,000

PROJECT: *Seagrass Restoration in the Lignumvitae Key Submerged Land Management Area.*

DESCRIPTION: The Lignumvitae Key Submerged Land Managed Area (LKSLMA) encompasses 10,000 acres within the boundaries of the Florida Keys National Marine Sanctuary. The marine grass beds of the LKSLMA are the most important component of the ecosystem, and LKSLMA managers have developed a comprehensive submerged lands restoration plan and priority strategy to reverse damage to seagrass beds from grounding holes and propeller scars. Staff with the DEP Division of Parks & Recreation will use FCMP funds to restore damaged sites, specifically, install bird stakes to establish stable seagrass beds; conduct site inspections; and monitor and provide baseline and annual reports on the progress of the restoration.

AGENCY: DEP, Division of Recreation & Parks

CONTACT: Melba Nezbed

FUNDING AMOUNT: \$75,000