

## FLORIDA COASTAL MANAGEMENT PROGRAM

### *FY 04-05 Coastal Partnership Initiative Projects*

#### REMARKABLE COASTAL PLACES

**PROJECT:** Gulf Coast Maritime Center — Developing a Master Plan  
Wakulla County Board of County Commissioners

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

**FCPM FUNDING AMOUNT:** \$25,000

**DESCRIPTION:** Wakulla County will complete the critical first step toward establishing a first-quality Maritime Museum by developing a Master Plan, which will then be used as a template for the next phases of broader public involvement as well as land acquisition, construction, management and development. Florida Foresight has served voluntarily as facilitator and initiator of the project to date and with support from the Panacea Waterfronts Partnership, will complete the Master Plan within the one-year deadline.

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**PROJECT:** Barrier Island Ecosystem Center; Barrier Island Cross-Section Display  
Brevard County

**CONTACT:** Charles S. Nelson, Director Parks & Recreation  
2725 Judge Fran Jamieson Way, Bldg. B, Viera, FL 32940  
Tel: (321) 633-2046

**FCMP FUNDING AMOUNT:** \$50,000

**DESCRIPTION:** The Brevard County Environmentally Endangered Lands (EEL) Program will construct an interpretive aquaria diorama for the Barrier Island Ecosystem Center. The goal of the project is to enhance the understanding for Brevard County citizens and visitors to the endangered lands within the EEL Program's South Beaches Regional Management Area and educate them about the habitats and species that make up the barrier island and the management practices used to preserve them. Information on the Barrier Island Ecosystem Center is available at <http://www.barrierislandcenter.com/>.

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**PROJECT:** R. Hardy Matheson Preserve General Plan  
Miami-Dade County

**CONTACT:** Joyce Denney, Grants Administrator  
275 NW 2<sup>nd</sup> Street, 5<sup>th</sup> Floor, Miami, FL 33128  
Tel: (305) 755-7878

**FCMP FUNDING AMOUNT:** \$30,000

**DESCRIPTION:** The R. Hardy Matheson Preserve is an 820-acre site in central Miami-Dade County that contains biological, historical and archeological resources that require protection. Currently, unauthorized public uses are jeopardizing sensitive natural areas and irreplaceable archeological and historic remnants. In order to protect the unique natural, archeological and historic resources on this site and to allow people the opportunity to learn about and enjoy these resources, a general plan must be prepared to guide development of the Preserve. The general plan will follow State accepted management procedures while promoting the remarkable aspects of the resources.

## COMMUNITY STEWARDSHIP

**PROJECT:** Florida Keys GreenSweep 2004/2005  
The Nature Conservancy  
**CONTACT:** Alison Higgins, Land Stewardship Coordinator  
P.O. Box 420237, Summerland Key, FL 33042  
Tel: (305) 745-8402 ext111  
**FCMP FUNDING AMOUNT:** \$16,167

**DESCRIPTION:** The Florida Keys GreenSweep program has two major goals in the keys; to recruit and train volunteers for clean up, monitoring and hazardous fuel reduction projects on conservation lands; and to raise awareness of invasive exotic species, the benefits of planting native plants through community education and outreach. The Florida Keys GreenSweep 04-05 tasks will include 1) coordinate volunteer workdays; 2) provide outreach and education materials on invasive species eradication/native species restoration, fire-safe landscapes, coastal debris & fire thinning; and 3) implement the Natural Area Neighbors program.

**PROJECT:** Matanzas Pass Preserve Canopy & Native Plant Restoration Project  
Charlotte Harbor National Estuary Program  
**CONTACT:** Lisa B. Beever, Director  
4980 Bayline Drive, 4<sup>th</sup> Floor, North Fort Myers, FL 33917-3909  
Tel: (239) 995-1777  
**FCMP FUNDING AMOUNT:** \$20,250

**DESCRIPTION:** The Matanzas Pass Preserve is one of the few undeveloped open spaces on Estero Island, providing a unique habitat for many species of wildlife, some of which are endangered or threatened. The proposed project has two components: 1) revegetation of 18 acres of the original restoration area; and 2) provide public education and outreach to encourage stewardship of the Matanzas Pass Preserve. The program will be used as both an educational and a promotional tool to encourage visitors to explore the wonder of the preserve, and to attract volunteers and sources of additional funds to continue the work that is underway.

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**PROJECT:** Barrier Island Ecosystem Center – Community Involvement Initiative  
Caribbean Conservation Corporation  
**CONTACT:** David Godfrey, Executive Director  
4424 NW 13<sup>th</sup> Street, Suite A-1, Gainesville, FL 32609  
Tel: (352) 373-6441  
**FCMP FUNDING AMOUNT:** \$30,000

**DESCRIPTION:** The Barrier Island Ecosystem Center (BIEC) Community Involvement Initiative will result in the establishment of a trained network of community education volunteers who will help design and deliver high-quality education programs at the new BIEC. Deliverables for the project will volunteer team documentation, completed plans for educational programs, PowerPoint presentations and outlines for various indoor presentations and nature-walk field trips at the BIEC. By using locally trained volunteers, the program will directly promote and generate community stewardship over coastal resources in a way that has “neighbors teaching neighbors” about the area’s priceless and fragile coastal habitats.

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**PROJECT:** Adopt-A-Reef  
The Ocean Conservancy  
**CONTACT:** Patrick Raitt, Developmental Manager  
1725 DeSales Street, NW Suite 600, Washington, DC 20036  
Tel: (202) 429-5609  
**FCMP FUNDING AMOUNT:** \$33,870

**DESCRIPTION:** The goal of the Adopt-A-Reef program is to remove marine debris from underwater environments in the Keys and to educate residents and visitors about protecting our coastal and underwater

treasures. Adopt-A-Reef is an established program that was previously run by The Nature Conservancy and the Florida Keys National Marine Sanctuary (FKNMS). The Adopt-A-Reef program's goals are to increase participation to include 500 divers per year and to develop increased awareness on ways to prevent marine debris and protect wildlife through education.

## ACCESS/COASTAL RESOURCES

**PROJECT:** Barrier Island Ecosystem Center; Old A1A Boardwalk  
Brevard County

**CONTACT:** Charles S. Nelson, Director of Parks & Recreation  
2725 Judge Fran Jamieson Way, Bldg. B, Viera, FL 32940  
Tel: (321) 633-2046

**FCMP FUNDING AMOUNT:** \$50,000

**DESCRIPTION:** This project involves the construction of a raised wooden boardwalk that will connect the Barrier Island Ecosystem Center (BIEC) to a public beach access, while completing a 3/4-mile education loop trail. This connection will expand the parking capacity of the BIEC to provide beach access to visitors without compromising the limited local parking; it will also provide access to the educational resources of the BIEC for visitors to Bonsteel Park. The goal is to enhance public access to endangered lands and educate citizens and visitors about the habitats and species that comprise the barrier island and the management practices used to preserve them.

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**PROJECT:** Chapman Field Park – Bay Access Improvement  
Miami-Dade County Park and Recreation Department

**CONTACT:** Sarah Bentley, Resource Development Manager  
275 NW 2<sup>nd</sup> Street, 5<sup>th</sup> Floor, Miami, FL 33128  
Tel: (305) 755-7947

**FCMP FUNDING AMOUNT:** \$50,000

**DESCRIPTION:** Chapman Field Park, a 566 acre property, needs to be developed in order to provide resource-based recreation and access to Biscayne Bay, while ensuring the preservation of the natural coastal ecosystems. Once open for use, the park will fill a void, providing for non-motorized boating, hiking and fishing away from facilities designated for more active recreation and from motorized boating. This project will help develop the site and provide Bay access through a system of water trails with canoe/kayak launches, canoe/kayak pull offs, fishing areas, boardwalks and interpretive educational features.

## WORKING WATERFRONTS

**PROJECT:** Daytona Beach Waterfronts Florida, Plan Implementation  
Daytona Beach Partnership Association – DBPA

**CONTACT:** Frank DeMarchi, Executive Director  
355 North Beach Street, Daytona Beach, FL 32114  
Tel: (386) 671-3272

**FCMP FUNDING AMOUNT:** \$50,000

**DESCRIPTION:** The Daytona Beach Partnership envisions a new business cluster in an 8-block district along the banks of the Halifax River that focuses on water-based business. The area is valuable for its historic, economic, cultural and physical location within the community, and will refocus the river as part of the local economy as recommended in the redevelopment plan. Project tasks are: 1) produce a development feasibility study to identify business development and retention opportunities (and includes marketing & recruitment materials; 2) design and install way-finding markers for district environmental, cultural and historical destinations; and 3) create a Riverfront Park/Open Space model to demonstrate the relationship and scale of the park to its water-based surroundings.

## *Grants to State Agencies and Water Management Districts*

**PROJECT:** Implementation of Lignumvitae Key Submerged Lands Restoration Plan. The Lignumvitae Key restoration plan involves two main tasks: 1) identify and characterize seagrass and hardbottom damaged areas within the Lignumvitae Key Submerged Lands Management Area and set up an organized tracking system of the areas; and 2) rank and prioritize the damaged areas for restoration.

**AGENCY:** DEP, Division of Recreation & Parks

**CONTACT:** Pat Wells

**FUNDING AMOUNT:** \$75,000

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**PROJECT:** Caloosahatchee Water Quality Work Plan: Analyzing Caloosahatchee River water quality status and trends and developing models. Specific tasks include 1) conduct statistical analysis (water quality data, load calculations); 2) compile residence time corrected mixing curves; 3) construct a land-ocean interaction in the coastal zone box model; 4) configure a CH3D numerical water quality model; and 5) identify and gather data on water quality targets.

**AGENCY:** South Florida Water Management District

**CONTACT:** Deborah Drum

**FUNDING AMOUNT:** \$60,000

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**PROJECT:** Project Greenshores II. A series of salt marsh and oyster reefs will be 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. Visit <http://www.dep.state.fl.us/northwest/ecosys/section/greenshores.htm> for more information on Project Greenshores.

**AGENCY:** DEP Northwest District Office

**CONTACT:** Jim Lappert

**FUNDING AMOUNT:** \$150,000

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**PROJECT:** 1733 Spanish Plate Fleet Interpretation and National Register Nomination. The 1733 Spanish Plate Fleet, comprised of 13 shipwrecks, will be inspected and explored to update documentation to produce the shipwrecks' nomination to the National register of Historic Places. Grants funds will be used to 1) support two months of fieldwork; 2) design and print an interpretive guide booklet; and 3) develop a web site. In 2006, the 1733 Spanish Plate Fleet was listed in the National Register of Historic Places. For more information on the Spanish Plate Fleet, visit <http://www.flheritage.com/archaeology/underwater/galleontrail/fleetOf1733.cfm>.

**AGENCY:** Department of State, Division of Historical Resources

**CONTACT:** Dr. Roger Smith

**FUNDING AMOUNT:** \$64,738

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**PROJECT:** Water quality and Seagrass Resources in the Big Bend Area. Continuation of long-term seagrass mapping, field studies and monitoring in partnership with Fish and Wildlife Research Institute, U.S. Geological Survey and DEP Big Bend Seagrass Aquatic Preserve. Grant funds will be used for 1) seagrass mapping (document existing coverage of seagrass habitat in the region); and 2) continued field assessment of seagrass condition and health (assess water quality conditions affecting light penetration), and conduct assessment of seagrass condition in relation to water quality.

**AGENCY:** Suwannee River Water Management District

**CONTACT:** Robert Mattson

**FUNDING AMOUNT:** \$60,000

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**PROJECT:** Development of Opportunities for Mitigation of Wetland Impacts from Single Family Home Construction. The project objective is to identify priority subdivisions in need of mitigation opportunities and develop regional offsite mitigation areas (ROMA) in selected areas of the state. Tasks include: 1) identify and

prioritize single-family developments where wetland mitigation opportunities are lacking; 2) assess wetland impacts and potential ROMA sites; 3) coordinate with the U.S. Army Corps of Engineers (USACOE) on linking ROMAs to state or federal permits; and 4) negotiate with potential ROMA responsible entities, and initiate USACOE required agreements.

**AGENCY:** DEP, Division of Water Resource Management

**CONTACT:** Jim Stoutamire

**FUNDING AMOUNT:** \$150,000

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**PROJECT:** Monofilament Recovery and Recycling Program (MRRP). Grant funds will support costs associated with establishment of a monofilament and recycling program in Palm Beach County. Tasks include 1) conduct an educational outreach and a volunteer recruitment and training component to manage outdoor recycling bins; 2) produce flyers, brochures, posters and an education video; and 3) construct an educational display kiosk. Visit <http://fishinglinerecycling.org/aboutmrrp.htm> for more information on the MRRP.

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

**CONTACT:** Christine Hudak

**FUNDING AMOUNT:** \$50,987

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**PROJECT:** Waterfronts Florida Partnership Implementation. The Department of Community Affairs is the lead agency for the Waterfronts Florida Partnerships (WFP) Program, which designates three working waterfronts as Waterfronts Florida communities every two years. This project provides \$25,000 to each of the three communities to develop vision plans or refine existing waterfront revitalizations plans. The WFP designated communities selected in 2003 are the City of Apalachicola, the City of Daytona Beach and the City of Melbourne (for the Olde Eau Gallie Riverfront). The City of Crystal River was also designated a Waterfronts Florida community, but will receive financial assistance through other funds. Visit <http://www.dca.state.fl.us/fdcp/dcp/waterfronts/index.cfm> for more information on Waterfronts Florida program.

**AGENCY:** Department of Community Affairs

**CONTACT:** Jennifer Carver

**FUNDING AMOUNT:** \$75,000

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**PROJECT:** DCA Coastal Program Support. FCMP funds will be used to continue a program of coordination, technical support, and review through the DCA Division of Community Planning to assist local governments in dealing with the cumulative and secondary impacts of coastal development. The Division is primarily responsible for involvement in the 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

**FUNDING AMOUNT:** \$40,000

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**PROJECT:** Seagrass Management. The Office of Coastal and Aquatic Managed Areas (CAMA) at DEP will partner with the Florida Wildlife Research Institute (FWRI) to implement a seagrass management strategy involving restoration efforts in the Indian River Lagoon which contains seven aquatic preserves. Specifically, CAMA & FWRI will: 1) evaluate the feasibility and priority of restoring selected areas with altered bathymetry, including dredge holes, shoals and spoil islands; 2) review historical and existing data (seagrass cover); 3) create a priority list of restoration projects (GIS-based); and 4) prepare engineering drawings for the projects.

**AGENCY:** DEP, Office of Coastal & Aquatic Managed Areas

**CONTACT:** Ellen McCarron

**FUNDING AMOUNT:** \$80,190

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**PROJECT:** Florida Blueways Strategic Implementation. Over successive years, the Florida Wildlife Research Institute (FWRI) has compiled data on marine recreational fishing/boating components for a GIS-based information

management tool. The focus of the 04-05 project will be to 1) conduct a boater survey along the southwest coast; and 2) enhance the GIS application with an easy-to-use management tool that provides resource managers with access to science data, uses and management information. This application will be integrated with a related project, the Coastal Resource Information System, an internet-based information and mapping system (project summary below). Visit Blueways at [http://research.myfwc.com/features/view\\_article.asp?id=3108](http://research.myfwc.com/features/view_article.asp?id=3108) for more information.

**AGENCY:** Florida Fish & Wildlife Conservation Commission/FWRI

**CONTACT:** Bill Sargent

**FUNDING AMOUNT:** \$159,810

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**PROJECT:** Coastal Resource Information System. This project will expand the internet-based Coastal Resource Information System to include information on publicly accessible beaches and recreational marinas statewide, from the aspects of public access, land use and disaster response.

**AGENCY:** Florida Fish & Wildlife Conservation Commission/FWRI

**CONTACT:** Henry Norris

**FUNDING AMOUNT:** \$150,000

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**PROJECT:** Waterfronts Florida Partnership Development. This project provides funding to the Department of Community Affairs/Division of Community Planning to provide technical assistance to Waterfronts Florida designated communities. Tasks include 1) conduct technical assistance activities to facilitate local implementation of revitalization initiatives; 2) facilitate the development of a Waterfronts Florida Partnership Network to operate as a peer support organization; 3) prepare technical publications to document successful waterfront revitalization approaches; and 4) expand the [Waterfronts Florida Partnership Program](#) to three new communities.

**AGENCY:** Department of Community Affairs

**CONTACT:** Tracy Suber

**FUNDING AMOUNT:** \$100,000

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**PROJECT:** CAMA Enhancement Projects. The DEP Office of Coastal & Aquatic Managed Areas staff will update obsolete aquatic preserve management plans. Primary project tasks include 1) select sites and inventories to be completed; 2) monitor the status of inventories; and 3) obtain and review information on the status and condition of natural resources of the Aquatic Preserves.

**AGENCY:** DEP, Office of Coastal & Aquatic Managed Areas

**CONTACT:** Ellen McCarron

**FUNDING AMOUNT:** \$50,000

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**PROJECT:** Clean Marina Program. Funds for this project will continue the implementation of the designation program for boaters, and marina & boatyard operators, and expand the program to boat retailers. Funds will be used for workshops, marketing, technical assistance, publications, distance learning strategies, and grant awards and designation.

**AGENCY:** DEP, Clean Marina Program

**CONTACT:** Jan Delaney

**FUNDING AMOUNT:** \$105,000

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**PROJECT:** Statewide Implementation of Improved On-Site Sewage Treatment and Disposal Systems (OSTDS) Maintenance Management. The purpose 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) develop and implement an OSTDS inspection system via an outreach program to mortgage lenders, banks and OSTDS service providers; 2) establish an interactive web-based tracking system to allow property sales industry to access records on status and results of property inspections; 3) assess the needs of priority counties and provide intensive technical assistance to improve local OSTDS maintenance management programs; 4) develop a model ordinance for OSTDS maintenance

management in at least two counties; and 5) develop and reprint educational materials, fact sheets, exhibits and similar materials for outreach campaigns.

**AGENCY:** DEP, Division of Water Resource Management

**CONTACT:** Patti Sanzone

**FUNDING AMOUNT:** \$200,000

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**PROJECT:** Tide Station Support for the NOAA Coastal Storms Initiative. Grants funds will support the operation and maintenance of existing tide stations on the St. Johns River. Funds will also be used to assist NOAA in the operation and maintenance of the newly installed conductivity sensor stations; for conducting GPS surveys on one tidal benchmark at those stations; for travel costs, supplies, water level and meteorological sensor calibration costs; and other logistical support necessary to perform routine and corrective maintenance.

**AGENCY:** DEP, Division of State Lands

**CONTACT:** Randy Harrell

**FUNDING AMOUNT:** \$80,000

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**PROJECT:** Florida Circumnavigation Saltwater Paddling Trail. The Department of Environmental Protection's Office of Greenways & Trails produced accurate maps, trail routes, GPS coordinates and information on camping and lodging availability, launch and take-out points, points of interest and unique attributes along 9 segments of the 1,500-mile circumnavigation saltwater paddling trail. The U.S. Fish & Wildlife Service designated this unique trail as a National Recreational Trail in 2007. More information is available at the following link:

<http://www.americantrails.org/nationalrecreationtrails/default.htm>

**AGENCY:** DEP, Office of Greenways & Trails

**CONTACT:** Jim Wood

**FUNDING AMOUNT:** \$9,800

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**PROJECT:** Wakulla Study Continuance and Big Bend Circulation Modeling. The Florida Department of Health will conduct bacterial source tracking; model coastal currents; and survey stormwater, sanitary and septic tank systems along the Wakulla County coast where elevated levels of indicator organisms are frequently detected. The results will be used to determine measures to improve shellfish sanitation and prevent recreational exposures to pathogenic bacteria. For more information on Florida's Healthy Beaches Program, go to:

<http://www.floridahealth.gov/environmental-health/beach-water-quality/index.html>

**AGENCY:** Department of Health

**CONTACT:** Bart Bibler

**FUNDING AMOUNT:** \$149,811