

FLORIDA COASTAL MANAGEMENT PROGRAM

FY 07-08 COASTAL PARTNERSHIP INITIATIVE PROJECTS

REMARKABLE COASTAL PLACES

PROJECT: *Big Bend Maritime Center Interpretation Plan*
Florida Foresight, Inc. & Wakulla County

CONTACT: Bill Lowrie
P.O. Box 896, Panacea, FL 32346
Ph. (850) 962-7845

FCMP FUNDING: \$50,000

DESCRIPTION: Florida Foresight, Inc., in partnership with Wakulla County, will complete implementation of a strategic plan for the [Big Bend Maritime Center](#), which will be located along the [Panacea](#) waterfront. The maritime center will serve as a major destination point and educational facility for residents and visitors. Project tasks in FY 07-08 are to facilitate interpretation of the region's maritime heritage (in partnership with other museums, historical museums and fishermen); draft the Interpretation Plan; continue to develop the Mini-Museum; improve information exchange; and create public education programs.

PROJECT: *Jacksonville Beaches ICW Paddling Trail*
Public Trust Environmental Law Inst., City of Atlantic Beach, City of Jacksonville Beach

CONTACT: Warren K. Anderson, Jr.
2029 N. Third Street, Jacksonville Beach, FL 32250
Ph. (904) 247-1972

FCMP FUNDING: \$22,100

DESCRIPTION: The [Public Trust Environmental Law Institute of Florida](#), in partnership with the Cities of Atlantic Beach and [Jacksonville Beach](#) will produce detailed blueways trail maps and color guides to direct paddlers along the Intracoastal and associated waterways of northeast Florida. An associated website will be developed to provide detailed information about the area, paddling trail updates and tidal information.

PROJECT: *Jupiter Inlet Lighthouse Educational Exhibits*
Loxahatchee River Historical Society

CONTACT: Jaime Stuve
805 North U.S. Highway 1, Jupiter, FL 33477
Ph. (561) 747-6639

FCMP FUNDING: \$50,000

DESCRIPTION: The [Jupiter Inlet Lighthouse](#) property, located in Palm Beach County, is a significant historical site listed on the National Register of Historic Places. The [Loxahatchee River Historical Society](#) (LRHS), which was formed to preserve and interpret the area's regional heritage, and the Town of Jupiter, have developed an extensive collection of artifacts, photographs and oral histories to bring to life the dynamic people, places and events that have characterized this site and the surrounding region for thousands of years. The LRHS will use this collection to develop new indoor and outdoor educational exhibits, panels and signs to be located on the Lighthouse property. The LRHS will also produce a report describing the graphic and written materials and artifacts, and will guide production of exhibits by the design team and script writer.

COMMUNITY STEWARDSHIP

PROJECT: *Barrier Island Sanctuary Management & Education Center*

CONTACT : David Godfrey
4424 N.W. 13th Street, Gainesville, FL 32609
Ph. (352) 373-6441

FCMP FUNDING: \$30,000

DESCRIPTION: The [Caribbean Conservation Corporation](#) (CCC) is partnering with Brevard County to provide educational programs at the [Barrier Island Sanctuary Management & Education Center](#) (BIC). Opening in 2007, the BIC is a public education facility located adjacent to the [Archie Carr National Wildlife Refuge](#) (ACNWR) in Brevard and Indian River counties. The CCC will coordinate, design and provide educational programs at the BIC and recruit and train a network of community education volunteers to increase public awareness and community involvement to protect ACNWR's fragile resources – especially loggerhead and green sea turtles.

PROJECT: *Mullock Creek Basin/Homeowner Florida Friendly Yards*

CONTACT: Elizabeth Donley
Charlotte Harbor National Estuary Program
1926 Victoria Ave., Ft. Myers, FL 33901
Ph. (239) 338-2556

FCMP FUNDING: \$16,096

DESCRIPTION: Southwest Florida is one of the fastest growing regions in the country, and rapid urbanization has resulted in deteriorating water quality in the Estero Bay watershed. The [Charlotte Harbor National Estuary Program](#) (CHNEP) will engage homeowners in the San Carlos Park community to implement [Florida Friendly Landscaping](#) (FFL) techniques to improve stormwater quality through reduction of nutrient runoff, reduced irrigation, and increases wildlife habitat. To implement these goals, CHNEP will establish two demonstration yards and will conduct three cycles of a 4-workshop series to educate homeowners on FFL design and plantings. FCMP funds will be used to purchase native plants and shrubs, mulch, rain barrels and education materials.

ACCESS TO COASTAL RESOURCES

PROJECT: *Joe's River Park Public Access & Restoration*

CONTACT: Charles Barrowclough
Martin County Parks
Monterey Road, Stuart, FL 34996
Ph. (772) 288-5476

FCMP FUNDING: \$50,000

DESCRIPTION: The high growth rate in [Martin County](#) is making it difficult for the county to meet its level of recreational service standards. Recently acquired, Joe's River Park is considered one of the county's more important recently-acquired recreational projects since it provides access to the [Indian River Lagoon](#) with minimal impacts to natural resources. Joe's River Park will be developed as a natural and resource-base recreation area. FCMP funds will be used to clear disturbed portions of the park for the parking lot and boardwalk; funds will also be used to design and construct an informational kiosk to educate visitors on the importance of the park's natural resources.

FY 07-08 FCMP GRANTS TO STATE AGENCIES

PROJECT: *Florida's Museums in the Sea: Interactive Web Sites for State Underwater Archaeological Preserves, Phase 2*

DESCRIPTION: In 2006-2007, the Department of State (DOS), [Office of Cultural and Historical Programs](#) was awarded FCMP funds to expand public visitation to Florida's "Museum's in the Sea" – underwater [archaeological preserves](#) of historic shipwrecks recognized for historical and recreational value. To improve access to these unique underwater parks, the DOS is creating a website that allows online users to "dive" the shipwrecks via virtual tours, interactive timelines, streaming video, audio recordings and animated computer graphics. In Phase 1 of this project, the DOS collected digital underwater video footage from five preserve sites, designed templates for each and produced the websites. In Phase 2, the remaining six preserve sites will be videoed, edited, cataloged and placed on the interactive website.

AGENCY: Department of State

CONTACT: Dr. Roger Smith

FCMP FUNDING: \$86,476

PROJECT: *Florida Marine Resource Conservation Partnership*

DESCRIPTION: The [Florida Fish & Wildlife Conservation Commission](#) (FWC) is establishing a new initiative called the Marine Resource Conservation Partnership (MRCP). The MRCP seeks to improve marine resource protection by implementing non-regulatory saltwater recreational outreach and education programs. The FWC will purchase two boats for use by volunteers to make non-threatening, one-to-one contact with boaters to promote boating safety, resource conservation and information on related subjects. If successful, the program will be expanded to other coastal counties.

AGENCY: Florida Fish & Wildlife Conservation Commission

CONTACT: Danny Riley

FCMP FUNDING: \$35,000

PROJECT: *Archaeological Mapping, Charlotte Harbor Preserve State Park*

DESCRIPTION: The [Charlotte Harbor Preserve State Park](#) poses unique cultural resource management challenges – the property contains 84 recorded archaeological sites, all of which are adversely affected by heavy winds, rain storm surges, looting and vandalism. The Department of State, [Office of Cultural and Historical Programs](#) will systematically map and document the physical features of 20 archaeological sites, selected because of their high level of significance and high level of threat from natural and human forces. Project tasks include field work (clearing sites and conducting surveys), mapping sites, data processing, digital & computer mapping and a preparing a final project report. Documentation of these sites will complete mapping work in the Cape Coral area, with results compiled to become the first of three atlases of the general Charlotte Harbor area.

AGENCY: Department of State

CONTACT: Dr. Mary Glowacki

FCMP FUNDING: \$212,800

PROJECT: *Waterfronts Florida Program Implementation*

DESCRIPTION: The Department of Community Affairs (DCA) [Waterfronts Florida Partnership Program](#) (WFP) will provide financial and technical assistance to designated Waterfronts Florida communities for activities that preserve recreational and commercial working waterfronts. Every two years, the DCA designates new communities for the WFP. The three communities designated in 2007 are the [City of Carrabelle](#) in Franklin County, unincorporated [Steinhatchee](#) in Taylor County and the [City of St. Marks](#) in Wakulla County. FCMP funds will provide grants for the first year of the designation cycle for these communities to conduct visioning, develop a waterfront revitalization plan and begin plan implementation.

AGENCY: Department of Community Affairs
CONTACT: Shawna Beji
FCMP FUNDING: \$75,000

PROJECT: *Microbial Indicators for Monitoring Water Quality*

DESCRIPTION: The [Department of Health](#) (DOH) and researchers at the [Oceans & Human Health Center](#) are investigating the appropriate use of microbial indicators to regulate recreational uses of water bodies – particularly for waters located in sub/tropical environments with no known point sources. The goal of this project is to evaluate the relationship between human health and the physical and microbial characteristics of coastal marine waters and their shorelines. The DOH will conduct a randomized epidemiologic study to assess human health risks at a recreational beach site characterized by poor water circulation and water quality. FCMP funds will be used for personnel conducting field work and phone surveys, for supplies, travel, and to compensate study participants.

AGENCY: Department of Health
CONTACT: Bart Bibler
FCMP FUNDING: \$150,000

PROJECT: *Hyperspectral Data Analysis for St. Joseph Bay Aquatic Preserve*

DESCRIPTION: DEP's Office of [Coastal & Aquatic Managed Areas](#) (CAMA) needs current submerged resource GIS data layers and maps of its aquatic preserves and research reserves. The maps inform resource managers as to the coverage and extent of seagrass beds, oyster reefs, etc. and may also be used by the regulatory, research and recreational communities. With rapid land use change around [St. Joseph Bay](#), which can ultimately affect the Bay and its extensive seagrass beds, there is a need for processing of hyperspectral imagery in order to produce accurate, high resolution bathymetric maps. CAMA will use FCMP funds for the production of maps that show the extent and coverage of seagrasses and the delineation of prop scar damage; for ground-validated bathymetric maps; and for website development to make flight data and hyper- and multi-spectral images available to the public.

AGENCY: DEP/Office of Coastal & Aquatic Managed Areas
CONTACT: Kim Wren
FCMP FUNDING: \$50,000

PROJECT: *Replacement of 390 Buoys in the Florida Keys National Marine Sanctuary*

DESCRIPTION: The [Florida Keys National Marine Sanctuary](#) Mooring Buoy Program is managed by DEP's Office of Coastal & Aquatic Managed Areas. The [mooring buoy program](#) is a primary means of protecting coral and fragile submerged resources from damage by managing public access and recreational activities in the Key Largo and [Looe Key National Marine Sanctuaries](#). The buoys to be replaced are found in shallow waters and near coral reef formations and sensitive marine habitats. The buoys offer a free-easy-to-use alternative to anchoring for all classes of vessels. Information buoys are often the first indication for many boaters that the area contains protected underwater natural, cultural and historical resources. All buoy systems are scheduled to be replaced every 18 months before becoming hazardous to boaters.

AGENCY: DEP/CAMA
CONTACT: Kent Edwards
FCMP FUNDING: \$88,701

PROJECT: *DCA Coastal Program Support*

DESCRIPTION: FCMP funds will be used to continue a program of coordination, technical support, and review through the Department of Community Affairs' [Division of Community Planning](#) to evaluate federal actions for consistency with the FCMP, and to assist local governments in evaluating the impacts of coastal development. The Division is responsible for various growth management initiatives, 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: \$38,000

PROJECT: *Waterfronts Florida Partnership Development*

DESCRIPTION: The [Waterfronts Florida Program](#) (WFP) at the Department of Community Affairs (DCA) was created to address the physical and economic decline of traditional working waterfront communities. Since its inception, 21 communities have been designated as WFP communities, which affords access to technical assistance with community-designed vision plans. The plans are used to guide the revitalization of water-dependent economies by addressing public access, hazard mitigation, environmental and cultural resource protection and economic enhancement. In 2007-2008, DCA will use FCMP funds for WFP administration and support related to waterfront community issues; to prepare a WFP strategic plan for program enhancements and new initiatives in years 3-5; to conduct training sessions and quarterly program managers' meetings for networking and educational opportunities; and to provide other technical assistance as needed.

AGENCY: Department of Community Affairs

CONTACT: Shawna Beji

FCMP FUNDING: \$74,000

PROJECT: *Integrated Management Framework & Site Management*

DESCRIPTION: The Department of Environmental Protection's [Office of Coastal & Aquatic Managed Areas](#) (CAMA) will continue finalizing the components of its new management framework (IMF), integrate them system-wide, and revise the aquatic preserve site plans. CAMA tasks in 2007-2008 are: 1) integrate existing strategic planning documents for each Management Program into a CAMA strategic planning document; 2) continue to document CAMA policies and procedures to standardize practices across all CAMA sites; 3) plan and conduct public scoping meetings to receive input on issues affecting sites undergoing Management Plan Review, and 4) develop draft management plans for each site under review and incorporate public comments in draft management plans.

AGENCY: DEP/Office of Coastal & Aquatic Managed Areas

CONTACT: Karen Bareford

FCMP FUNDING: \$145,000

PROJECT: *Blueways/St. Andrews Bay Boating Characterization*

DESCRIPTION: Florida leads the nation in recreational boat registrations, and the state is facing critical issues regarding waterway access and use conflicts. A boating characterization methodology developed by the [Fish & Wildlife Research Institute](#) (FWRI) was successfully applied in a six-county area of the west coast by directly enhancing planning and intergovernmental coordination. In 2007-2008, the FWRI will transfer its [BlueWays](#) boating characterization methodology to [St. Andrews Bay](#) in Bay County and work with federal, state and local agencies to use the data to address resource protection, waterway management and public access issues in Bay county and adjacent waters. The characterization tool will also be incorporated into marine facility siting and recreational surface water use elements of local comprehensive plans. The intent is to continue active integration of waterways and waterfronts issues into growth management plans, decisions and policies.

AGENCY: Florida Fish & Wildlife Conservation Commission/FWRI

CONTACT: Bill Sargent

FCMP FUNDING: \$98,000

PROJECT: *Harmful Algal Bloom Response Plans (HAB), Year 2*

DESCRIPTION: The Florida Department of Health (DOH) will continue to assist local county health departments (CHD) in developing [HAB](#) public health response plans that draw on local experience and expertise.

In Year 2, the DOH will support implementation of HAB plan distribution to the second tier of CHDs. In each of these counties, local HAB plans will be developed to represent local capacity for response (i.e., environmental health staff available for sample collection, epidemiology expertise, primary care facilities, etc.), and important local contacts (emergency response personnel & media contacts). The DOH will research and complete plan sections specific to blue green algae/cyanobacteria, [Florida Red Tide](#), Ciguatera and Saxitoxin.

AGENCY: Florida Department of Health

CONTACT: Andy Reich

FCMP FUNDING: \$84,000

PROJECT: *Post-Disaster Redevelopment Plans*

DESCRIPTION: The Department of Community Affairs (DCA) will continue its initiative to develop [post-disaster redevelopment plans](#) (PDRP) for local governments. Although local comprehensive plans should include plans and policies addressing PDRP issues, preparation of plans has been hindered because no standards have been established (in Florida) to guide their development. In year 2, DCA will establish a management structure for community(s) to test and sponsor one or more pilot projects and will prepare a PDRP based on the draft guidelines. DCA will also form local PDRP working groups; establish a web-based tool, if deemed necessary by the working groups; prepare and distribute outreach material to inform the public; and explore the feasibility of adopting the PDRP into the local comprehensive plan.

AGENCY: Department of Community Affairs

CONTACT: Walker Banning

FCMP FUNDING: \$75,000

PROJECT: *Seagrass Integrated Mapping & Monitoring*

DESCRIPTION: Florida seagrass beds are an extremely valuable resource but are vulnerable to many direct and indirect human impacts, especially eutrophication, which reduces water clarity. To protect and manage this resource, the Fish & Wildlife Research Institute (FWRI) will launch an integrated program of [seagrass mapping and monitoring](#). Program elements include mapping all seagrasses in Florida waters on a 6-year schedule; monitoring seagrasses annually; prepare an annual report documenting seagrass cover and species composition changes at monitoring stations; and prepare a comprehensive report every six years to document seagrass gains and losses. In the first year of implementation, the FWRI will 1) compare monitoring techniques and indicators in [Tampa Bay](#) (compare transect monitoring with probabilistic sampling and determine conflicts/commonalities among monitoring techniques); 2) develop standard interview questions and protocol; and 3) identify seagrass mapping and monitoring programs throughout the state and interview principal investigators.

AGENCY: Florida Fish & Wildlife Conservation Commission

CONTACT: Paul Carlson

FCMP FUNDING: \$60,000

PROJECT: *Woodville Karst Plain Geological Survey & Groundwater Modeling*

DESCRIPTION: The [Florida Geological Survey](#) (FGS) will continue to develop a numerical steady-state model to predict natural and anthropogenic events on water quality and quantity, and designate the [Woodville Karst Plain](#) as a hydrogeological observatory. In order to calibrate a predictive model and use the data and model as tools for better conservation, protection and management of this and other coastal watersheds, the FGS will: calibrate the draft model with existing data; complete analysis of data generated to determine conduit morphologies; analyze data pertaining to long-term tidal forcing; continue outreach efforts; implement recommendations of the radon/methane tracings and geophysical surveys; and conduct other WKP-related tasks.

AGENCY: DEP/Florida Geological Survey

CONTACT: Rodney DeHan

FCMP FUNDING: \$150,000