

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Water Resource Management

Bureau of Beaches and Coastal Systems

Beach Management Funding Assistance Program

February 1, 2010

**Fixed Capital Outlay
Local Government Funding Requests
For
FY 2010/2011**



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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INTRODUCTION

Florida is dependent on its 825 miles of sandy beaches fronting the Atlantic Ocean, Gulf of Mexico and Straits of Florida for the enjoyment of its residents and tourists. Beaches provide storm protection for public infrastructure and private upland development. Beaches also provide marine habitat for many species, including many that are endangered and threatened. Each state dollar spent protecting Florida's beaches with widespread public access prevents the loss of \$8 in state taxes paid by out-of-state tourists and resident users of Florida's beaches (Florida Atlantic University, 2003).

Florida's beach management program, pursuant to Chapter 161, Florida Statutes (F.S.), "The Florida Beach and Shore Preservation Act", provides for a variety of local government-sponsored erosion control activities (e.g., feasibility and design studies, construction of erosion control structures and engineered sand placement, and post-construction monitoring to document project performance and potential impacts). Restoration involves the initial placement of sand to rebuild a beach that has been severely eroded. Beach nourishment, or periodic maintenance, places sand on previously restored beaches at specific intervals based on project performance in order to maintain original design intent, such as storm protection, recreational beach area, and habitat enhancement.

The Department of Environmental Protection (DEP) is charged, in Sections 161.091, 161.101, 161.143 and 161.161, F. S., with developing and implementing a comprehensive, long-range statewide beach management plan. DEP has developed, in coordination with local sponsors and the United States Army Corps of Engineers (USACE), a Strategic Beach Management Plan (SBMP), Long Range Budget Plan (LRBP), and an inventory of beach erosion control projects. The SBMP adopts strategies for erosion control activities at critically eroded beaches and inlets. Projects must have a clearly identifiable beach management benefit consistent with the SBMP to be eligible for state funding assistance.

Three hundred and ninety-seven (397) miles of beach are currently designated by the DEP as critically eroded. Since 1998, when the Legislature dedicated a portion of the Ecosystem Management Trust Fund for beach management, \$473.24 million has been appropriated to cost-share with local governments on local and federally authorized projects, with each level of government contributing about one-third of the cost of the entire program. This has resulted in the restoration and subsequent maintenance of approximately 209 miles, or about 53%, of the state's critically eroded beaches.

The funding requests for FY 2010/2011 consist of 82 different projects, which total nearly \$82 million. The prioritized list of beach erosion control projects is organized in two sections: "Beach Restoration and Nourishment Projects" and "Inlet Sand Bypassing/Inlet Management Plan Implementation Projects". Each section contains a list of eligible projects ranked in priority order, based on the procedure outlined in Chapter 62B-36, Florida Administrative Code. Projects have been evaluated by DEP, based on consistency with the SBMP, permitting status, readiness to proceed with the proposed funding phase, and the appropriateness of the amount of funding requested.

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BEACH RESTORATION AND NOURISHMENT PROJECTS

DEP has developed a multiyear repair and maintenance strategy to carry out the state responsibilities of a comprehensive, long-range, statewide program of beach erosion control; beach preservation, restoration, and nourishment; and storm and hurricane protection. The principles of this strategy are to:

- Maximize the infusion of beach-quality sand into the coastal system;
- Implement those projects that contribute most significantly to addressing the state's beach erosion problems;
- Extend the life of beach restoration projects and reduce the frequency of nourishment;
- Encourage regional approaches to ensure the geographic coordination and sequencing of projects; and
- Reduce equipment mobilization and demobilization costs.

The funding requests for Beach Restoration and Nourishment Projects ("Beach Projects") for FY 2010/2011 total approximately \$69 million. Projects have been evaluated by DEP and ranked in priority order. The descriptions of the proposed projects are based primarily on information provided by local governments. Funding eligibility and state cost share are calculated individually for each project based on the public access, as defined by program rule. Projects are presented in the following order:

- The Post-construction monitoring list- a comprehensive list of all projects requesting funds for state and federal permit-required monitoring listed in priority order.
- Beach Restoration and Nourishment Projects, listed in priority order.
- Regional Monitoring.
- New Projects: Feasibility and Design, with projects prioritized in each category.

2008 amendments to Section 161.143, F.S., provided the following guidance on funding for beach restoration and nourishment projects.

- Should funds be made available to the feasibility and design category, at least fifty percent (50%) of the funds appropriated will be made available for inlet management. projects which involve the study, design or development of an inlet management project.
- In the event the local government indicates that funds cannot be utilized or obligated during FY 2010/2011 for Beach Restoration and Nourishment Projects the Department will apply those funds to inlet management projects in accordance with Section 161.143(5)(c), F.S.

A summary funding table of the beach restoration and nourishment projects, in priority order as described above, is provided herein.

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BEACH PROJECTS LIST

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Post-Construction Monitoring ⁽¹⁾	Numerous Local Sponsors	Monitoring	\$750,810	\$2,648,128	\$3,930,869	\$7,329,807	\$2,648,128
Dade County Beach Nourishment	Dade County	Construction	\$8,250,000	\$6,702,690	\$7,618,000	\$22,570,690	\$9,350,818
Long Key Beach Nourishment (Upham Beach)	Pinellas County	Design	\$235,000	\$339,600	\$348,100	\$922,700	\$9,690,418
Anna Maria Island Beach Nourishment	Manatee County	Design	\$366,600	\$141,700	\$141,700	\$650,000	\$9,832,118
Captiva/Sanibel Island Beach Nourishment	Captiva Erosion Prevention District	Design	\$0	\$96,255	\$213,745	\$310,000	\$9,928,373
Broward County Beach Nourishment, Segment II	Broward County	Design	\$0	\$464,762	\$724,496	\$1,189,258	\$10,393,135
Sand Key Beach Nourishment	Pinellas County	Construction	\$11,190,000	\$3,816,624	\$3,848,750	\$18,855,374	\$14,209,759
Treasure Island Beach Nourishment	Pinellas County	Design, Construction	\$557,858	\$218,335	\$226,525	\$1,002,718	\$14,428,094
Hutchinson Island Beach Nourishment ⁽²⁾	Martin County	Design	\$0	\$56,800	\$68,200	\$125,000	\$14,484,894
Venice Beach Nourishment ⁽²⁾	City of Venice	Design	\$379,950	\$91,902	\$104,302	\$576,154	\$14,576,796

- (1) Environmental and physical post-construction monitoring required by state and federal permits after the first year of monitoring. First-year monitoring has been included with construction funds. A total of 26 previously constructed projects require monitoring activities for FY 2010-11. A complete monitoring project listing can be found on page 14.
- (2) Project proposes an offshore borrow source located outside of the county boundaries.

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BEACH PROJECTS LIST (cont'd.)

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Lovers Key Beach Nourishment	Lee County	Design	\$0	\$80,000	\$80,000	\$160,000	\$14,656,796
Lido Key Beach Nourishment	City of Sarasota	Design	\$186,000	\$57,000	\$57,000	\$300,000	\$14,713,796
Ft. Pierce Shore Protection Project	St. Lucie County	Design	\$0	\$400,000	\$400,000	\$800,000	\$15,113,796
St. Johns County Shore Protection Project	St. Johns County	Construction	\$7,000,000	\$1,137,844	\$1,747,156	\$9,885,000	\$16,251,640
St. Joseph Peninsula Beach Nourishment	Gulf County	Design, Construction	\$9,450,000	\$553,490	\$796,510	\$10,800,000	\$16,805,130
Duval County Shore Protection Project	City of Jacksonville	Construction	\$6,960,800	\$2,109,909	\$2,359,291	\$11,430,000	\$18,915,039
Delray Beach Nourishment	City of Delray Beach	Design	\$214,900	\$83,301	\$83,301	\$381,502	\$18,998,340
South Amelia Island Beach Nourishment	DEP/ DRP & SAISSA	Design, Construction	\$0	\$6,777,422	\$10,507,511	\$17,284,933	\$25,775,762
Ocean Ridge Beach Nourishment	Palm Beach County	Design, Construction	\$405,000	\$172,500	\$172,500	\$750,000	\$25,948,262
Pensacola Beach Nourishment	Santa Rosa Island Authority	Construction	\$8,925,000	\$735,800	\$735,800	\$10,396,600	\$26,684,062
Jupiter/Carlin Shore Protection Project	Palm Beach County	Design	\$310,500	\$132,250	\$132,250	\$575,000	\$26,816,312

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- (2) Project proposes an offshore borrow source located outside of the county boundaries.

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Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Smathers Beach Nourishment	City of Key West	Design, Construction	\$0	\$300,000	\$300,000	\$600,000	\$27,116,312
Jupiter Island Beach Nourishment	Town of Jupiter Island	Design, Construction	\$0	\$1,695,628	\$11,355,096	\$13,050,724	\$28,811,940
Navarre Beach Nourishment	Santa Rosa County	Design, Construction	\$684,460	\$406,933	\$436,801	\$1,528,194	\$29,218,873
Honeymoon Island Beach Restoration	Pinellas County and DEP/DRP	Construction	\$0	\$3,093,750	\$1,031,250	\$4,125,000	\$32,312,623
Ft. Walton Beach Restoration	Okaloosa County	Construction	\$0	\$2,793,795	\$2,793,795	\$5,587,590	\$35,106,418
Jupiter Beach Erosion Control Project	Palm Beach County	Design Construction	\$0	\$350,000	\$350,000	\$700,000	\$35,456,418
Western Destin Beach Restoration	Okaloosa County	Construction	\$0	\$3,141,880	\$8,308,120	\$11,450,000	\$38,598,298
Wabasso Beach Restoration	Indian River County	Design, Construction	\$0	\$5,035,671	\$5,035,671	\$10,071,342	\$43,633,969
Longboat Key Beach Nourishment ⁽²⁾	Town of Longboat Key	Design, Construction	\$0	\$1,566,813	\$5,308,188	\$6,875,001	\$45,200,782
Walton County Beach Restoration (30-A)	Walton County	Construction	\$0	\$8,399,000	\$37,001,000	\$45,400,000	\$53,599,782
Perdido Key Beach Restoration	Escambia County	Construction	\$0	\$5,441,605	\$9,305,294	\$14,746,899	\$59,041,387

(1) Environmental and physical post-construction monitoring required by state and federal permits after the first year of monitoring. First-year monitoring has been included with construction funds. A total of 26 previously constructed projects require monitoring activities for FY 2010-11. A complete monitoring project listing can be found on page 14.

(2) Project proposes an offshore borrow source located outside of the county boundaries.

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Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Hillsboro Beach Nourishment	Town of Hillsboro Beach	Design, Construction	\$2,057,762	\$971,185	\$2,913,553	\$5,942,500	\$60,012,572
Key Biscayne Beach Nourishment	Town of Key Biscayne	Design	\$0	\$215,600	\$224,400	\$440,000	\$60,228,172
Ft. Zachary Taylor Beach Restoration	DEP, Division of Recreation and Parks	Construction	\$0	\$265,000	\$0	\$265,000	\$60,493,172
Bonita Beach Nourishment	Lee County	Design	\$0	\$100,000	\$100,000	\$200,000	\$60,593,172
Phipps Ocean Park Beach Nourishment	Town of Palm Beach	Design, Construction	\$0	\$291,756	\$569,644	\$861,400	\$60,884,928
Singer Island Shore Protection	Palm Beach County	Construction	\$0	\$3,135,554	\$4,714,124	\$7,849,678	\$64,020,482
Knight/Don Pedro Island Beach Nourishment	Charlotte County	Design, Construction	\$0	\$829,602	\$1,015,598	\$1,845,200	\$64,850,084
Glass Beach Innovative Demonstration	Broward County	Construction	\$0	\$450,000	\$450,000	\$900,000	\$65,300,084
Midtown Beach Nourishment	Town of Palm Beach	Construction	\$637,356	\$76,865	\$135,587	\$849,808	\$65,376,949
Central Palm Beach County Erosion Control Project	Palm Beach County	Design, Construction	\$0	\$600,000	\$600,000	\$1,200,000	\$65,976,949

- (1) Environmental and physical post-construction monitoring required by state and federal permits after the first year of monitoring. First-year monitoring has been included with construction funds. A total of 26 previously constructed projects require monitoring activities for FY 2010-11. A complete monitoring project listing can be found on page 14.
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Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Regional Monitoring	DEP	Monitoring	\$0	\$285,000	\$0	\$285,000	\$66,261,949
New Projects - Feasibility/Design	Numerous Local Sponsors	Feasibility, Design	\$1,685,000	\$2,162,603	\$1,599,255	\$5,446,858	\$68,424,552
Total			\$60,246,996	\$68,424,552	\$127,843,382	\$256,514,930	

- (1) Environmental and physical post-construction monitoring required by state and federal permits after the first year of monitoring. First-year monitoring has been included with construction funds. A total of 26 previously constructed projects require monitoring activities for FY 2010-11. A complete monitoring project listing can be found on page 14.
- (2) Project proposes an offshore borrow source located outside of the county boundaries.

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INLET SAND BYPASSING/ INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS

The DEP, in partnership with Local Sponsors, has historically sponsored inlet management activities since much of the erosion of Florida's coastline can be attributed to the erosive impacts of inlets. Inlet management activities were conducted under the provisions of Section 161.161, Florida Statutes, for the purposes of evaluating the erosive impact of the inlets on adjacent beaches and to recommend corrective measures to mitigate identified impacts. Such inlet management projects include, but are not limited to, inlet sand bypassing, modifications to channel dredging, jetty redesign, jetty repair, disposal of spoil material, and the development, revision, adoption or implementation of an inlet management plan.

Funding for the inlet projects will be used to implement the actions recommended in the specific Inlet Management Plans (IMP) or the statewide SBMP. IMPs adopted by DEP are incorporated into the SBMP by reference along with other inlet management strategies. Feasibility studies conducted by local governments, federal and state studies and reports, and the study reports authorizing federal shore protection projects are also incorporated by reference.

In FY 2010/11, funding requests for fourteen Inlet Sand Bypassing/Inlet Management Plan Implementation Projects ("Inlet Projects") are included in the Beach Management Funding Assistance Program. These projects total more than \$13 million in requested state funding. The funding priorities established by the Department must be consistent with the requirements and legislative declaration in Sections 161.101(14), 161.142, 161.143 and 161.161(1)(b), F. S. In 2008, Section 161.143, F.S. was adopted to require a ranked list of inlet projects, to be submitted as part of the Department's budget request. Further, the inlet legislation requires that:

- At least ten percent (10%) of the total amount that the Legislature appropriates will be used for the three highest-ranked inlet projects;
- At least fifty percent (50%) of the funds appropriated for the feasibility and design category will be made available for inlet management projects which involve the study, design or development of an inlet management project;
- Inlet projects may receive 75% state cost share for the proposed activity.

Funding for the Department-sponsored Inlet Management Study (Sediment Budget Analysis and Inventory) is in accordance with Section 161.143(4), F.S.

A summary funding table of inlet sand bypassing and inlet management plan implementation projects is provided herein. This summary table is followed by the beach restoration and nourishment project summary descriptions in the same order as provided in the summary funding table. Finally, summary descriptions of the inlet projects complete this document.

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INLET PROJECTS LIST

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total Funds	Cumulative State Total
St. Lucie IMP Implementation	Martin County	Design, Construction	\$5,625,000	\$1,961,250	\$653,750	\$8,240,000	\$1,961,250
Port Everglades IMP Implementation	Broward County	Design, Construction	\$0	\$1,125,000	\$375,000	\$1,500,000	\$3,086,250
Inlet Management (Sediment Budget Analysis and Inventory)	DEP	Feasibility	\$0	\$400,000	\$0	\$400,000	\$3,486,250
Blind Pass Eco-zone Restoration & Bypassing	Lee County	Monitoring	\$0	\$26,250	\$8,750	\$35,000	\$3,512,500
Port Canaveral IMP Implementation	Canaveral Port Authority	Monitoring	\$0	\$112,500	\$37,500	\$150,000	\$5,650,000
Sebastian IMP Implementation	Sebastian Inlet District	Construction	\$0	\$2,025,000	\$675,000	\$2,700,000	\$5,537,500
St. Andrews IMP Implementation	DEP/FRP	Construction	\$0	\$2,065,000	\$0	\$2,065,000	\$7,715,000
Ft. Pierce IMP Implementation	St. Lucie County	Design	\$0	\$90,000	\$30,000	\$120,000	\$7,805,000
Hillsboro IMP Implementation	Hillsboro Inlet District	Construction	\$0	\$1,224,068	\$408,023	\$1,632,091	\$9,029,068
Lake Worth IMP Implementation	Town of Palm Beach	Design, Construction	\$0	\$2,973,750	\$991,250	\$3,965,000	\$12,002,818
Boca Raton IMP Implementation	City of Boca Raton	Construction	\$0	\$373,275	\$124,425	\$497,700	\$13,123,589
Jupiter IMP Implementation	Jupiter Inlet District	Design, Construction	\$0	\$747,496	\$249,165	\$996,661	\$12,750,314

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INLET PROJECTS LIST (cont'd.)

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total Funds	Cumulative State Total
South Lake Worth IMP Implementation	Palm Beach County	Construction	\$0	\$78,000	\$26,000	\$104,000	\$13,201,589
Mexico Beach IMP Implementation	Town of Mexico Beach	Design, Construction	\$0	\$186,750	\$62,250	\$249,000	\$13,388,339
TOTAL			\$5,625,000	\$13,388,339	\$3,641,113	\$22,654,452	

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POST-CONSTRUCTION MONITORING

NAME OF PROJECT: Post-Construction Monitoring

LOCAL SPONSOR: Numerous Local Sponsors

PROJECT DESCRIPTION:

This category serves to provide continued funding for monitoring activities associated with a previously funded and constructed project. Eligible program activities to be funded include physical and biological monitoring required by permit.

FUNDS REQUESTED:

Funds will be used to support the following projects identified in priority order. First Year monitoring required by permit has been included in the construction phase funding requests. Therefore, the projects listed below indicate only permit-required post-construction monitoring for activities after the first year. Federal cost share for some of the federal projects listed below are not included, as not all federal projects cost share in the monitoring phase.

POST-CONSTRUCTION MONITORING LIST

Project	FEDERAL	STATE	LOCAL	TOTAL
Brevard County Beach Nourishment, North/South Reaches	\$0	\$107,190	\$117,810	\$225,000
Dade County Beach Nourishment	\$0	\$164,500	\$185,500	\$350,000
Anna Maria Island Beach Nourishment	\$0	\$163,480	\$163,480	\$326,960
Broward County Beach Nourishment, Segment III	\$394,608	\$139,637	\$140,758	\$675,003
Captiva/Sanibel Island Beach Nourishment	\$0	\$52,609	\$116,824	\$169,433
Bay County Beach Nourishment	\$0	\$42,675	\$107,325	\$150,000
Lido Key Beach Nourishment	\$124,000	\$38,000	\$38,000	\$200,000
Venice Beach Nourishment	\$45,000	\$140,978	\$159,999	\$345,977
North Boca Raton Beach Nourishment	\$0	\$92,500	\$92,500	\$185,000
Ft. Pierce Shore Protection Project	\$0	\$215,000	\$215,000	\$430,000
St. Joseph Peninsula Beach Restoration	\$0	\$95,178	\$179,822	\$275,000
Bathtub Beach Restoration	\$0	\$87,500	\$87,500	\$175,000
Delray Beach Nourishment	\$27,902	\$10,815	\$10,815	\$49,532
Destin/Walton Beach Restoration (Destin)	\$0	\$48,666	\$41,232	\$89,898
Ocean Ridge Beach Nourishment	\$115,020	\$48,990	\$48,990	\$213,000

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POST-CONSTRUCTION MONITORING (cont'd.)

Project	FEDERAL	STATE	LOCAL	TOTAL
Jupiter/Carlin Shore Protection Project	\$44,280	\$18,860	\$18,860	\$82,000
Pensacola Beach Nourishment	\$0	\$68,650	\$68,650	\$137,300
Ambersand Beach Nourishment	\$0	\$209,925	\$240,075	\$450,000
Longboat Key Beach Nourishment	\$0	\$314,275	\$1,064,726	\$1,379,001
Destin/Walton Beach Restoration (Walton)	\$0	\$10,405	\$27,891	\$38,296
Juno Beach Nourishment	\$0	\$157,750	\$157,750	\$315,500
Central Boca Raton Beach Restoration	\$0	\$36,458	\$46,728	\$83,186
South Siesta Key Beach Restoration	\$0	\$41,657	\$68,343	\$110,000
Knight/Don Pedro Island Beach Nourishment	\$0	\$253,900	\$310,800	\$564,700
South Boca Raton Beach Nourishment	\$0	\$78,400	\$81,600	\$160,000
Midtown Beach Nourishment	\$0	\$10,130	\$17,870	\$28,000
TOTAL	\$750,810	\$2,648,128	\$3,808,848	\$7,207,786

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NAME OF PROJECT: Dade County Beach Nourishment

LOCAL SPONSOR: Dade County

LOCAL CONTACT: Brian Flynn **PHONE:** (305) 372-6850

PROJECT DESCRIPTION:

Nourishment of approximately 13 miles of Atlantic shoreline extending from Golden Beach to Government Cut between DEP Monuments R6 - R74 in Dade County. The federal Dade County Shore Protection Project was constructed in segments beginning in 1977. Nourishment of individual segments is conducted via truck hauls, as needed based upon project performance monitoring. Construction of a federal project placing 800,000 cubic yards on the Miami Beach portion of this project is anticipated for 2010/2011. Staff has determined that 94% of the project area is eligible for state cost sharing.

FUNDS REQUESTED:

Funding will be used for construction and first year monitoring.

<u>FEDERAL</u> \$8,250,000	<u>STATE</u> \$6,702,690	<u>LOCAL</u> \$7,618,000	<u>TOTAL</u> \$22,570,690
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NAME OF PROJECT: Long Key Beach Nourishment (Upham Beach)

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: Andrew Squires

PHONE: (727) 464-4633

PROJECT DESCRIPTION:

Nourishment of approximately 0.8 mile of Gulf of Mexico shoreline located at Upham Beach at the north end of Long Key between DEP Monuments R144 - R148 in Pinellas County. The federal project was initially constructed in 1980 with nourishment occurring on a four-year cycle. Five geotextile groins were installed to improve the nourishment interval to six years. The Local Sponsor intends to replace the geotextile groins with permanent structures. Construction of the nourishment project is scheduled for 2010. Federal and state funds from a prior appropriation are available for construction. Staff has determined that 100% of the project area is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for a federal feasibility study to determine the amount of federal participation in the construction of permanent structures, repair of two damaged geotextile groins and first year monitoring.

FEDERAL \$235,000

STATE \$339,600

LOCAL \$348,100

TOTAL \$922,700

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Anna Maria Island Beach Nourishment

LOCAL SPONSOR: Manatee County

LOCAL CONTACT: Charles Hunsicker

PHONE: (941) 742-5980

PROJECT DESCRIPTION:

Nourishment of approximately 7.3 miles of Gulf of Mexico shoreline on Anna Maria Island between DEP Monuments R1-R10 and R12 - R41.3 in Manatee County. The majority of the project (R12 - R36) is part of the federal Manatee County Shore Protection Project, which was restored in 1993. Nourishment occurred in 2002. In 2005, a portion of the island received federally funded hurricane recovery nourishment. Restoration of the Coquina Beach (R36 – R41.3) segment of the project is scheduled for 2010. Nourishment of the entire project is scheduled for 2013. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design

FEDERAL \$366,600

STATE \$141,700

LOCAL \$141,700

TOTAL \$650,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Captiva/Sanibel Island Beach Nourishment

LOCAL SPONSOR: Captiva Erosion Prevention District

LOCAL CONTACT: Kathleen Rooker

PHONE: (239) 472-2472

PROJECT DESCRIPTION:

Nourishment of approximately 6.5 miles of Gulf of Mexico shoreline on Captiva Island between DEP Monuments R84 - R109 and R110 - R118 in Lee County. The project is a segment of the federal Lee County Shore Protection Project. The shoreline was restored in 1981 and nourished in 1989, 1996 and 2006. The next nourishment is scheduled for FY2013/14. Staff has determined that 62.10% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$96,255

LOCAL \$213,745

TOTAL \$310,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Broward County Beach Nourishment, Segment II

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Stephen Higgins

PHONE: (954) 519-1265

PROJECT DESCRIPTION:

Nourishment of approximately 5.3 miles of Atlantic shoreline from Hillsboro Inlet to Port Everglades between DEP Monuments R25 - R53 in Broward County. This segment of the federal Broward County Shore Protection Project was initially constructed in 1970, with subsequent nourishment occurring in 1983. Hardbottom mitigation construction and the next nourishment event are scheduled for 2012. Staff has determined that 78.15% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$464,762

LOCAL \$724,496

TOTAL \$1,189,258

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Sand Key Beach Nourishment

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: Andrew Squires

PHONE: (727) 464-4633

PROJECT DESCRIPTION:

Nourishment of 8.8 miles of Gulf of Mexico shoreline between DEP Monuments R56 – R66 and R71 - R108.5 in central Pinellas County. The federal project was nourished in four phases between 1988 and 1999. The next nourishment is scheduled for 2010. An additional \$3,600,000 was appropriated in FY2009/10 for the design and construction of the project. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$11,190,000

STATE \$3,816,624

LOCAL \$3,848,750

TOTAL \$18,855,374

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Treasure Island Beach Nourishment

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: Andrew Squires

PHONE: (727) 464-4633

PROJECT DESCRIPTION:

Nourishment of approximately 1.4 miles of Gulf of Mexico shoreline between DEP Monuments R126 - R128.2 (north Treasure Island) and R136 - R141.4 (Sunset Beach) in Pinellas County. The federal project was initially constructed in 1969. Nourishment has occurred every three to five years to address localized erosion at the north and south ends of the island. The south end of Treasure Island was nourished in 2004. In 2006, both the north and south ends of the island received federally funded hurricane recovery nourishment. Nourishment of the north and south ends of the island is scheduled for 2010. Federal and state funds are currently available for construction, although additional funds are required. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for the establishment of an ECL, construction and first year monitoring.

FEDERAL \$557,858

STATE \$218,335

LOCAL \$226,525

TOTAL \$1,002,718

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Hutchinson Island Beach Nourishment

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy FitzPatrick

PHONE: (772) 288-5429

PROJECT DESCRIPTION:

Nourishment of approximately 4.2 miles of Atlantic shoreline between DEP Monuments R1 – R25.6 in Martin County. The federal project was initially constructed in 1995-96. Nourishment of a portion of the project was conducted in 2001 and 2002. The last nourishment and dune restoration occurred in 2005. Current activity for the project is the design of the next nourishment event in 2013. Staff has determined that 90.87% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be for design.

FEDERAL \$0

STATE \$56,800

LOCAL \$68,200

TOTAL \$125,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Venice Beach Nourishment

LOCAL SPONSOR: City of Venice

LOCAL CONTACT: Kathleen Weeden

PHONE: (941) 486-2626

PROJECT DESCRIPTION:

Nourishment of approximately 3.3 miles of Gulf of Mexico shoreline fronting the City of Venice between DEP Monuments R116 - R133 in Sarasota County. Restoration was completed in 1996 after being constructed in two phases (1994 and 1996) as part of an authorized segment of the federal Sarasota County Shore Protection Project. Erosion impacts from storms accelerated the originally scheduled 10-year nourishment interval to nine years. The federal emergency fill placement was completed in 2005. Construction of a 7.3 acre mitigation reef was completed in 2008 and monitoring is ongoing. A federal sand search for future nourishment, anticipated for construction in 2015, is underway. Staff has determined that 93.68% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for feasibility (sand search) and design.

FEDERAL \$379,950

STATE \$91,902

LOCAL \$104,302

TOTAL \$576,154

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Lovers Key Beach Nourishment

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Robert Neal

PHONE: (239) 479-8566

PROJECT DESCRIPTION:

Nourishment of approximately 1.1-miles of Gulf of Mexico shoreline on Lovers Key between DEP Monuments R214.5-R220.5 in Lee County. The initial restoration was completed in 2004. Nourishment is scheduled for FY 2012-13. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$80,000

LOCAL \$80,000

TOTAL \$160,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Lido Key Beach Nourishment

LOCAL SPONSOR: City of Sarasota

LOCAL CONTACT: Alexandra DavisShaw

PHONE: (941) 954-4180

PROJECT DESCRIPTION:

Nourishment of approximately 2.2 miles of Gulf of Mexico shoreline on Lido Key between DEP monuments R31 - R44 in Sarasota County. Restoration of the project was conducted in 1998 with construction of the northern 1.2 miles. The remainder of the project area was constructed in 2000-01. Hurricane recovery nourishment of the project was completed in 2009. The regularly scheduled federal nourishment, as well as the construction of three groins on the southern end of the island, is scheduled for 2015. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$186,000

STATE \$57,000

LOCAL \$57,000

TOTAL \$300,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Ft. Pierce Shore Protection Project

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1707

PROJECT DESCRIPTION:

Nourishment of approximately 1.3 miles of Atlantic shoreline between DEP Monuments R34 - R41 in St. Lucie County. The federal Ft. Pierce Shore Protection Project was initially constructed in 1971, with nourishments occurring in 1980, 1999, 2003, 2004, 2005 and 2007. Current activities include design of the next nourishment event, planned for 2011. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design of the nourishment and stabilizing structures, subject to approval by the Department.

FEDERAL \$0

STATE \$400,000

LOCAL \$400,000

TOTAL \$800,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: St. Johns County Shore Protection Project

LOCAL SPONSOR: St. Johns County

LOCAL CONTACT: Press Tompkins

PHONE: (904) 209-0110

PROJECT DESCRIPTION:

Nourishment of approximately 2.9 miles of Atlantic shoreline between DEP Monuments R136 - R152 in St. Johns County. The project includes 0.9 miles of beach within Anastasia Island State Recreation Area. Restoration of the federal project and the non-federal extension within the state recreation area was completed in 2003. Nourishment was completed in 2005 due to damage from the 2004 hurricane season. Nourishment is scheduled again for FY 2010-11. Staff has determined that 78.87% of the project area is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$7,000,000

STATE \$1,137,844

LOCAL \$1,747,156

TOTAL \$9,885,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: St. Joseph Peninsula Beach Nourishment

LOCAL SPONSOR: Gulf County

LOCAL CONTACT: Don Butler

PHONE: (850) 229-6111

PROJECT DESCRIPTION:

Nourishment of the beach and dune system along approximately 7.2 miles of Gulf of Mexico shoreline on St. Joseph Peninsula between DEP Monuments R69 - R105.5 in Gulf County. Construction was completed in 2009. Monitoring is underway. Due to damages sustained from Gustav in 2008 during the restoration, the County is working with FEMA to construct a hurricane recovery project between DEP Monuments R74.8 - R95.3. The Federal share includes 12.5 % of the cost of construction that will be paid by the State of Florida through the Division of Emergency Management. Staff has determined that 70.97% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design and construction of the FEMA post-Gustav storm recovery project and first year monitoring.

FEDERAL \$9,450,000

STATE \$553,490

LOCAL \$796,510

TOTAL \$10,800,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Duval County Shore Protection Project

LOCAL SPONSOR: City of Jacksonville

LOCAL CONTACT: Tom Heal **PHONE:** (904) 255-8749

PROJECT DESCRIPTION:

Nourishment of approximately 10.1 miles of Atlantic shoreline between DEP Monuments R31 - R80. Initial restoration of this federal project occurred in 1978 and 1980. Additional nourishments occurred in 1985, 1987, 1991, 1995, 2003 and 2005. The next nourishment is scheduled for 2011. Staff has determined that 94.41% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

<u>FEDERAL</u> \$6,960,800	<u>STATE</u> \$2,109,909	<u>LOCAL</u> \$2,359,291	<u>TOTAL</u> \$11,430,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Delray Beach Nourishment

LOCAL SPONSOR: City of Delray Beach

LOCAL CONTACT: Paul Dorling

PHONE: (561) 243-7321

PROJECT DESCRIPTION:

Nourishment of 2.7 miles of Atlantic shoreline between DEP Monuments R175 – R188 in Palm Beach County. The federal project as initially constructed in 1973 with nourishment in 1978, 1984, 1992, 2002 and 2006. The next nourishment event is scheduled for FY 2011/12. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$214,900

STATE \$83,301

LOCAL \$83,301

TOTAL \$381,502

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: South Amelia Island Beach Nourishment

LOCAL SPONSOR: DEP, Division of Rec. and Parks & (SAISSA) South Amelia Island Shore Stabilization Assn.

LOCAL CONTACT: Jeff Raley & Bill Moore **PHONE:** (850) 245-3104 & (904) 277-5103

PROJECT DESCRIPTION:

Nourishment of approximately 3.5 miles of Atlantic shoreline between DEP Monuments R60 – R79 in Nassau County. Nourishment was completed in 2002 with cost sharing from the South Amelia Island Shore Stabilization Association (SAISSA). Construction of a terminal groin and breakwater was completed in 2005. In 2006 Amelia Island State Park was nourished between the terminal groin and the breakwater. Nourishment is scheduled to occur in 2011. Staff has determined that 78.41% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design, construction and first year monitoring.

FEDERAL \$0

STATE \$6,777,422

LOCAL \$10,507,511

TOTAL \$17,284,933

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Ocean Ridge Beach Nourishment

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Tracy Logue

PHONE: (561) 231-2491

PROJECT DESCRIPTION:

Nourishment of 1.4 miles of Atlantic shoreline between DEP Monuments R151 - R159 in Palm Beach County. The initial project included beach restoration and construction of eight T-head groins in 1998. Nourishment occurred in 2005 covering 1.1 miles of the project to the south of the groin field. Construction of a 2.25 acre mitigation reef is in progress and monitoring is ongoing. This is a federal project with 54% federal cost sharing. Design funding will be used to conduct a federal Limited Re-evaluation Report. Staff has determined that 100% of the non-federal cost is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design and construction of the mitigation reef.

FEDERAL \$405,000

STATE \$172,500

LOCAL \$172,500

TOTAL \$750,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Pensacola Beach Nourishment

LOCAL SPONSOR: Santa Rosa Island Authority

LOCAL CONTACT: Matt Mooneyham

PHONE: (850) 932-2257

PROJECT DESCRIPTION:

Nourishment of approximately 8.2 miles of Gulf of Mexico shoreline between DEP Monuments R107 - R151 in Escambia County. The project was first restored in 2003 and nourished in 2005/06. The current project consists of nourishment as post-Gustav FEMA storm recovery. The Federal share listed below includes 12.5 % of the cost of construction that will be paid by the State of Florida through the Division of Emergency Management. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$8,925,000

STATE \$735,800

LOCAL \$735,800

TOTAL \$10,396,600

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Jupiter/Carlin Shore Protection Project

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Kim Zachar

PHONE: (561) 233-2465

PROJECT DESCRIPTION:

Nourishment of approximately 1.1 miles of Atlantic shoreline between DEP Monuments R13 - R19 in Palm Beach County. The federally-authorized project was initially constructed in 1995. Nourishment in 2002 included construction of a dune. The project receives nourishment through the bypassing of maintenance material from Jupiter Inlet. Design and permitting is in progress for the upcoming nourishment scheduled for 2011. A federal Section 934 Report is required in order to be eligible for continued federal cost sharing. Staff has determined that 100% of the non-federal cost is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$310,500

STATE \$132,250

LOCAL \$132,250

TOTAL \$575,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Smathers Beach Nourishment

LOCAL SPONSOR: City of Key West

LOCAL CONTACT: Janet Muccino

PHONE: (305) 809-3867

PROJECT DESCRIPTION:

Nourishment of 1 mile of Atlantic shoreline in the City of Key West, Monroe County. Smathers beach was restored in 2001 using an upland sand source. A dune restoration project was conducted in 2009 using FEMA hurricane recovery funds. Current activities include design and construction of the 2010 nourishment. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design and construction.

FEDERAL \$0

STATE \$300,000

LOCAL \$300,000

TOTAL \$600,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Jupiter Island Beach Nourishment

LOCAL SPONSOR: Town of Jupiter Island

LOCAL CONTACT: Gene Rauth

PHONE: (772) 545-0100

PROJECT DESCRIPTION:

Nourishment of 6.1 miles of Atlantic shoreline between DEP Monuments R75 - R111 in Martin County. The project was restored in 1973 and segments were nourished in 1978, 1983, 1987, 1990-1, 1993, 1996, 2003 and 2007. The next nourishment is scheduled for 2011. Staff has determined that 26.38% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for the design, construction and first year monitoring.

FEDERAL \$0

STATE \$1,695,628

LOCAL \$11,355,096

TOTAL \$13,050,724

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Navarre Beach Nourishment

LOCAL SPONSOR: Santa Rosa County

LOCAL CONTACT: Roger Blaylock

PHONE: (850) 983-2446

PROJECT DESCRIPTION:

Nourishment of 4.1 miles of Gulf of Mexico shoreline between DEP Monuments R192.5 - R213.5 in Santa Rosa County. The restoration was complete in 2006 and the first complete nourishment is planned for 2013. The project also consists of the design and construction of the post-Gustav FEMA storm recovery project between DEP Monuments R192.5 and R194.3 which is scheduled for 2010. Federal funds listed below include 12.5 % of the cost of construction that will come from the State of Florida through the Division of Emergency Management. Staff has determined that 96.45 % of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (sand search and hurricane repair project), construction and first year monitoring.

FEDERAL \$684,460

STATE \$406,933

LOCAL \$436,801

TOTAL \$1,528,194

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Ft. Walton Beach Restoration

LOCAL SPONSOR: Okaloosa County Tourist Development Council

LOCAL CONTACT: Jim Trifilio

PHONE: (850) 609-5382

PROJECT DESCRIPTION:

Restoration of approximately 2.8 miles of Gulf of Mexico shoreline between DEP Monuments R1 - R15 in Okaloosa County. \$6,298,507 has been previously appropriated for construction. Construction is scheduled for 2010. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$2,793,795

LOCAL \$2,793,795

TOTAL \$5,587,590

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Jupiter/Carlin Beach Erosion Control Project

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Kim Zachar

PHONE: (561) 233-2465

PROJECT DESCRIPTION:

The project includes routine dune maintenance along 0.6 mile of Atlantic shoreline from DEP monuments R12.5 – R16.5 in Palm Beach County. The dune was restored in this area immediately south of the Jupiter Inlet as part of the Jupiter/Carlin Beach Nourishment Project in 1995. A feasibility study is in progress to assess the use of erosion control structures in this segment. In 2007, this area experienced severe erosion from the effects of a nor'easter and Sub Tropical Storm Andrea, causing damage to the dune and upland recreational facilities in Jupiter Inlet Park. Construction of erosion control structures is scheduled to begin in 2011/2012. Dune maintenance is planned to occur annually. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (structures) and construction (dune).

FEDERAL \$0

STATE \$350,000

LOCAL \$350,000

TOTAL \$700,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Western Destin Beach Restoration

LOCAL SPONSOR: Okaloosa County

LOCAL CONTACT: Jim Trifilio

PHONE: (850) 609-5382

PROJECT DESCRIPTION:

Restoration of 1.8 miles of Gulf of Mexico shoreline west of Henderson Beach State Park in the City of Destin from DEP Monument R17 - R25.5 in Okaloosa County. Construction is scheduled for 2010. Staff has determined that 27.44% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$4,141,880

LOCAL \$8,308,120

TOTAL \$11,450,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Wabasso Beach Restoration

LOCAL SPONSOR: Indian River County

LOCAL CONTACT: James Gray

PHONE: (321) 226-1568

PROJECT DESCRIPTION:

Restoration of approximately 5.9 miles of Atlantic shoreline between DEP Monuments R20 - R51 in Indian River County. Construction is scheduled for 2010. Based on mitigation of inlet impacts, staff has determined 100% of the initial restoration is eligible for state cost sharing.

FUNDS REQUESTED

Funds will be used for design, construction and first year monitoring.

FEDERAL \$0

STATE \$5,035,671

LOCAL \$5,035,671

TOTAL \$10,071,342

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Longboat Key Beach Nourishment

LOCAL SPONSOR: Town of Longboat Key

LOCAL CONTACT: Juan Florenza

PHONE: (941) 316-1988

PROJECT DESCRIPTION:

Nourishment of 9.5 miles of Gulf of Mexico shoreline along Longboat Key between DEP Monuments R44.5 - R67 in Manatee County and R1 - R29 in Sarasota County. The project was restored in 1993. Nourishment to address storm impacts occurred in 1997. Nourishment of the entire project area was completed in 2006. Construction of groins designed to enhance the performance of the project began in 2009 and will be completed in 2010. A sand source investigation is being conducted offshore of Hillsborough, Manatee and Sarasota counties. Staff has determined that 45.58% of the project area is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (sand search) and reimbursement for construction (groins).

FEDERAL \$0

STATE \$1,566,813

LOCAL \$5,308,188

TOTAL \$6,875,001

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Walton County Beach Restoration (30-A)

LOCAL SPONSOR: Walton County

LOCAL CONTACT: Sonny Mares

PHONE: (850) 267-1216

PROJECT DESCRIPTION:

Restoration of approximately 10.7 miles of Gulf of Mexico Shoreline between DEP Monuments R41 - R127 in Walton County. The project consists of four reaches, separated by state parks with shorelines which will not be restored. Construction is scheduled for 2010. Staff has determined that 37.81% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$8,399,000

LOCAL \$37,001,000

TOTAL \$45,400,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Perdido Key Beach Restoration

LOCAL SPONSOR: Escambia County

LOCAL CONTACT: Tim Day

PHONE: (850) 595-1144

PROJECT DESCRIPTION:

Beach and dune restoration of approximately 6.5 miles of Gulf of Mexico shoreline between DEP Monuments R1 - R34 in Escambia County. Construction is scheduled for 2010. Staff has determined that approximately 64% of the project is eligible for state cost sharing. However, a detailed analysis of eligibility has not been completed. Approximately \$1.3 million is currently available from a previous appropriation for construction of the project. These funds have been subtracted from the estimated cost to construct the project.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$5,441,606

LOCAL \$9,305,294

TOTAL \$14,746,900

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Hillsboro Beach Nourishment

LOCAL SPONSOR: Town of Hillsboro Beach

LOCAL CONTACT: Robert Lange

PHONE: (954) 427-4011

PROJECT DESCRIPTION:

Nourishment of 1.4 miles of Atlantic shoreline between DEP Monuments R5.4 - R12.5 in Broward County. The project was initially restored in 1972, with nourishment occurring in 1998. Construction of a nourishment project is scheduled for 2010. The project is scheduled to be constructed in coordination with the South Boca Raton Nourishment project. FEMA funds, noted as Federal funds below, are available for the nourishment. Staff has determined that 51.54% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design, construction and first year monitoring.

FEDERAL \$2,057,762

STATE \$971,185

LOCAL \$2,913,553

TOTAL \$5,942,500

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Key Biscayne Beach Nourishment

LOCAL SPONSOR: Village of Key Biscayne

LOCAL CONTACT: Armando Nunez

PHONE: (305) 365-8945

PROJECT DESCRIPTION:

Nourishment of approximately 1.2 miles of Atlantic shoreline on Key Biscayne between DEP Monuments R101 - R108 in Dade County. The project was initially constructed in 1987 with nourishment in 2002. Current activities include the design of the 2011 nourishment. Staff has determined that 98% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$215,600

LOCAL \$224,400

TOTAL \$440,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Ft. Zachary Taylor Beach Restoration

LOCAL SPONSOR: DEP, Division of Recreation and Parks

LOCAL CONTACT: Jeff Raley

PHONE: (850) 245-3104

PROJECT DESCRIPTION:

Nourishment of approximately 0.2 mile of Atlantic shoreline in Monroe County. In 2007, a truck haul project resulted in the placement of 3,500 cubic yards. Project activities anticipated are rehabilitation of the breakwaters and design of the next nourishment event, scheduled for 2011. Staff has determined that 100% of the project is eligible for state cost share.

FUNDS REQUESTED:

Funds will be used for design and construction.

FEDERAL \$0

STATE \$265,000

LOCAL \$0

TOTAL \$265,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Bonita Beach Nourishment

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Robert Neal

PHONE: (239) 479-8566

PROJECT DESCRIPTION:

Nourishment of approximately 0.8 mile of Gulf of Mexico shoreline between DEP Monuments R226 - R230 in Lee County. The project consists of the northernmost part of Little Hickory Island (Bonita Beach), just south of Big Hickory Pass. Restoration was completed in 1995. Nourishment was completed in 2004. Staff has determined that 67.81% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (sand search).

FEDERAL \$0

STATE \$100,000

LOCAL \$100,000

TOTAL \$200,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Phipps Ocean Park Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Jim Bowser

PHONE: (561) 838-5440

PROJECT DESCRIPTION:

Nourishment of 1.4 miles of Atlantic shoreline located between DEP Monuments R118 - R126 in Palm Beach County. In 2004, a 3.1 acre mitigation reef was constructed for hard bottom impacts. Following mitigation, approximately 1.1 million cubic yards of material was placed in 2006 for beach restoration, of which 987,750 cubic yards was placed on the beach and 141,458 cubic yards was placed for the hurricane recovery dune restoration. Staff has determined that 67.73% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (nourishment) and construction (dune).

FEDERAL \$0

STATE \$291,756

LOCAL \$569,644

TOTAL \$861,400

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Singer Island Shore Protection

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Mike Stahl

PHONE: (561) 233-2433

PROJECT DESCRIPTION:

Dune restoration in combination with construction of eleven (11) offshore breakwaters to aid in the reduction of erosion along 1.8 miles of Atlantic shoreline between DEP Monuments R60.5 - R69 in Palm Beach County. Dune maintenance has been performed each year since 2004. A feasibility study recommended the placement of erosion control structures as an alternative to beach restoration due to the extensive nearshore hardbottom resources. In consideration of the nearshore hardbottom, there will be no sand used to backfill the breakwater structures. Design and permitting of the structures is in progress. Construction is scheduled for 2010. Staff has determined that 79.89% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction (structures, mitigation reef, and dune).

FEDERAL \$0

STATE \$3,135,554

LOCAL \$4,714,124

TOTAL \$7,849,678

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Knight/Don Pedro Island Beach Nourishment

LOCAL SPONSOR: Charlotte County

LOCAL CONTACT: Dan Quick

PHONE: (941) 637-9265

PROJECT DESCRIPTION:

Nourishment of approximately 3.0 miles of Gulf of Mexico shoreline within the Knight Island complex between DEP Monuments R14 - R39 in Charlotte County. Restoration was completed in July 2003. The project was expected to have an eight-year nourishment interval. However, due to storm impacts, the first nourishment was completed in June 2006. The next bypassing/nourishment event from Stump Pass is scheduled for 2010. FEMA-funded erosion repair from Tropical Storm Faye in 2008 may be designed to coincide with the next bypassing/nourishment. Staff has determined that 89.92% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design and construction.

FEDERAL \$0

STATE \$829,602

LOCAL \$1,015,598

TOTAL \$1,845,200

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Glass Beach Innovative Demonstration

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Stephen Higgins

PHONE: (954) 519-1265

PROJECT DESCRIPTION:

Demonstration project located within the Broward County Segment III Shore Protection Project limits to explore the technical and environmental feasibility of using processed glass cullet for supplemental beach fill. Phase I incorporated testing of the glass beach material including a geotechnical evaluation, public perception surveys, contamination assessments, and investigation of several parameters related to marine turtle nesting compatibility on a test plot on Hollywood Beach. Phase II of the project will include a test deployment of a significant quantity of processed glass cullet onto the foreshore of a selected "hotspot" location within the Atlantic beaches of Broward County, and subsequent monitoring of the project performance. Construction is scheduled for 2010. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$450,000

LOCAL \$450,000

TOTAL \$900,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Midtown Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Jim Bowser

PHONE: (561) 838-5440

PROJECT DESCRIPTION:

Dune nourishment of 2.4 miles of Atlantic shoreline within the Town of Palm Beach between DEP Monuments R90.4 - R 101.4 in Palm Beach County. A beach restoration was completed in 1995 using 880,000 cy of sand between R95 - R100 (Reach 4). The project included construction of eleven groins which were completed in 1996. In 2003, a nourishment was completed in an expanded shoreline length between R90.4 - R101.4 (Reach 3 & 4). The project was impacted during the 2004 hurricane season. The beach and dune was nourished to offset the impacts from storms using FEMA funds and state funds in 2006. FEMA recovery funds will be used to construct the dunes again in 2010-11. Staff has determined that 72.36% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction (dune) and first year monitoring.

FEDERAL \$637,356

STATE \$76,865

LOCAL \$135,587

TOTAL \$849,808

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Central Palm Beach County Erosion Control Project

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Kim Zachar

PHONE: (561) 233-2465

PROJECT DESCRIPTION:

Dune maintenance in combination with erosion control structures along 0.8 mile of Atlantic shoreline between DEP Monuments R134 – R138.5 in Palm Beach County. A feasibility study has been completed which recommended the use of offshore breakwaters in place of a beach restoration project due to the extensive nearshore hardbottom resources. This area was severely eroded in 2008 due to the effects of offshore storms and nor'easters. In 2009, the local sponsor increased the project length when the critically eroded designation was extended 0.1 mile south to the Ritz Carlton Hotel. Staff has determined that 96% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (structures) and construction (dune).

FEDERAL \$0

STATE \$600,000

LOCAL \$600,000

TOTAL \$1,200,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: Regional Monitoring

LOCAL SPONSOR: DEP

LOCAL CONTACT: Paden E. Woodruff

PHONE: (850) 922-7703

PROJECT DESCRIPTION:

Regional collection of beach and offshore surveys and aerial photography to support all aspects of the statewide beach management program, including post-hurricane recovery, and the planning and design of beach restoration, nourishment and erosion control projects. This is part of the Department's program to complete coastal monitoring of the entire State on a four-year cycle. The regional data collection is coordinated with local government project sponsors to increase cost efficiency and avoid duplication with the post-construction monitoring of beach restoration, nourishment and erosion control projects.

FUNDS REQUESTED:

Funds will be used for the collection and processing of aerial photography of the Southeast Florida coastal region from Brevard to Miami-Dade Counties.

FEDERAL \$0

STATE \$285,000

LOCAL \$0

TOTAL \$285,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NEW PROJECTS: FEASIBILITY & DESIGN

PROJECT DESCRIPTION:

The Department has a responsibility to evaluate critically eroded beaches to determine the best option for their management. In order to allow opportunities for new projects, the Department has set aside program funds annually to conduct studies necessary to determine the economic, environmental, and engineering feasibility of proposed projects. Program funds will also be allocated for the design and permitting of new projects. To be eligible for construction funds, new projects must complete a feasibility study or alternatives analysis.

FUNDS REQUESTED:

Funding for the feasibility and design phases of new projects shall be awarded based on the relative priority ranking of proposed projects. Cost sharing for design will follow established eligibility criteria. Priority ranking of proposed projects is as follows:

	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>	<u>TOTAL</u>
<u>Feasibility Studies</u>				
South Ponte Vedra/Vilano Beach/Summerhaven	\$715,000	\$131,500	\$131,500	\$978,000
Broward County Beach Nourishment, Segment I	\$738,000	\$105,000	\$105,000	\$948,000
Flagler County Beach Restoration	\$232,000	\$120,000	\$120,000	\$472,000
Town of Palm Beach Sand Search	\$0	\$500,000	\$500,000	\$1,000,000
SUB-TOTAL FEASIBILITY	\$1,685,000	\$856,500	\$856,500	\$3,398,000
<u>Design</u>				
Brevard County Beach Restoration, Mid Reach	\$0	\$121,590	\$178,410	\$300,000
Hollywood Beach Nourishment	\$0	\$215,488	\$73,012	\$288,500
Stump Pass Beach State Park Shoreline Stabilization	\$0	\$300,000	\$0	\$300,000
Hallandale Beach Nourishment	\$0	\$203,007	\$68,793	\$271,800
Rest Beach Nourishment	\$0	\$15,000	\$15,000	\$30,000
Long Key State Park Beach Restoration	\$0	\$110,000	\$0	\$110,000
South St. Lucie County Beach Restoration	\$0	\$247,440	\$313,962	\$561,402
Pompano Beach Dune Construction	\$0	\$25,000	\$25,000	\$50,000
South Ponte Vedra/Vilano Beach Dune Construction	\$0	\$68,578	\$68,578	\$137,156
SUB-TOTAL DESIGN	\$0	\$1,306,103	\$742,755	\$2,048,858
TOTAL	\$1,685,000	\$2,162,603	\$1,599,255	\$5,446,858

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: St. Lucie IMP Implementation

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy FitzPatrick

PHONE: (772) 288-5429

PROJECT DESCRIPTION:

In 1995, the Department adopted the St. Lucie Inlet Management Plan, which defines the measures needed to mitigate the adverse impacts of St. Lucie Inlet on the coastal system. Plan recommendations include:

- Continue periodic maintenance dredging activities including dredging of the channel and sedimentation basin.
- Dredge interior inlet flood tidal shoal and place beach quality material on downdrift beaches.
- Investigate options which include modifications to the north jetty and expansion of the sedimentation basin.
- Implement a comprehensive beach and offshore monitoring program.
- Evaluate the feasibility and need for an extension of the south jetty.

The next sand bypassing event is scheduled for 2012. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design, construction and monitoring of the next sand bypassing event.

<u>FEDERAL</u>	\$5,625,000	<u>STATE</u>	\$1,961,250	<u>LOCAL</u>	\$653,750	<u>TOTAL</u>	\$8,240,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Port Everglades IMP Implementation

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Stephen Higgins

PHONE: (954) 519-1265

PROJECT DESCRIPTION:

In 1999, the Department adopted the Port Everglades Inlet Management Plan, which recommends measures to mitigate the impacts of the inlet. Plan recommendations include:

- Place all beach compatible maintenance material on downdrift beaches.
- Validate and redefine the sediment budget.
- Implement a comprehensive monitoring program.
- Study alternatives to facilitate bypassing of sediment and removal of the rock rubble located north of the inlet.

The project consists of design and construction of the approved alternative for bypassing sand to the downdrift beaches south of Port Everglades. The area of inlet influence encompasses approximately 2.5 miles of Atlantic shoreline 1 mile north and 1.5 miles south of the entrance. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for the design of a deposition basin, removal of a portion of the rock rubble shoal and structural modifications to the north jetty.

FEDERAL \$0

STATE \$1,125,000

LOCAL \$375,000

TOTAL \$1,500,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Inlet Management (Sediment Budget Analysis and Inventory)

LOCAL SPONSOR: DEP

LOCAL CONTACT: Paden E. Woodruff

PHONE: (850) 922-7703

PROJECT DESCRIPTION:

The Department, with the assistance of university based resources, shall conduct inlet management studies consistent with 161.142 and 161.143(4) to determine, calculate, refine and achieve general consensus regarding net annual sediment transport volumes to be used for the purpose of planning and prioritizing inlet management projects. The inlets of interests shall include Ponce de Leon Inlet, St. Johns River Entrance/Ft. George Inlet, and Lake Worth Inlet. In addition, the Department, with the assistance of university based resources, shall maintain an inventory of sediment budgets and a current estimate of beach quality sand that is placed on adjacent eroding beaches for all inlets in the State of Florida in accordance with the legislative mandate in s. 161.142(2) and 161.143(4), Florida Statutes.

FUNDS REQUESTED:

Pursuant to s. 161.143(4), the Department may use the legislative appropriation to the statewide beach management support category of the Department's fixed capital outlay funding request to employ university based or other contractual resources and pay 100 percent of the costs of the studies that are consistent with s. 161.142 and s. 161.143(4)(a) and (b), Florida Statutes.

St. Johns Inlet (Mayport)/ Ft. George Inlet
Ponce de Leon Inlet
Lake Worth Inlet

FEDERAL \$0

STATE \$400,000

LOCAL \$0

TOTAL \$400,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Blind Pass Eco-zone Restoration & Bypassing

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Robert Neal

PHONE: (239) 479-8566

PROJECT DESCRIPTION:

Dredging and bypassing of material from Blind Pass in the Gulf of Mexico between DEP Monuments R109 - R114 in Lee County. The multi-jurisdictional project is designed to reestablish the tidal connection between Clam and Dinkins Bayou and the Gulf of Mexico, thereby improving water quality conditions and flushing to the Blind Pass/Dinkins Bayou/Pine Island Sound system. Specific activities include the removal of beach quality material from the Blind Pass entrance channel and flood shoal, with placement on the downdrift beaches. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for monitoring.

FEDERAL \$0

STATE \$26,250

LOCAL \$8,750

TOTAL \$35,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF SPONSOR: Port Canaveral IMP Implementation

LOCAL SPONSOR: Canaveral Port Authority

LOCAL CONTACT: Robert Musser

PHONE: (321) 783-7831 ext. 256

PROJECT DESCRIPTION:

In 1996, the Department adopted the Port Canaveral Inlet Management Plan which recommends corrective measures to mitigate the impacts of Port Canaveral Inlet. Plan recommendations include:

- Bypassing beach compatible maintenance dredge material to the downdrift beaches.
- Placing suitable maintenance dredge material in nearshore areas.
- Restoration of downdrift beaches.
- Conducting structural improvements to stabilize the inlet and improve bypassing.
- Investigating the feasibility of using innovative technologies to recover beach compatible maintenance dredge material.
- Implementation of a comprehensive beach and offshore monitoring program.

Port Canaveral Inlet is a federally authorized and maintained inlet. The U.S. Army Corps of Engineers has completed structural improvements to the north and south jetties and periodically bypasses sediment to the downdrift beaches and nearshore. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for monitoring.

FEDERAL \$0

STATE \$112,500

LOCAL \$37,500

TOTAL \$150,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Sebastian IMP Implementation

LOCAL SPONSOR: Sebastian Inlet Tax District

LOCAL CONTACT: Marty Smithson

PHONE: (321) 724-5175

PROJECT DESCRIPTION:

The Sebastian Inlet Management Plan, which was originally adopted in 2000, defines measures needed to mitigate the adverse impacts of the inlet on the coastal system. Plan recommendations include:

- Bypassing beach compatible dredge material to the downdrift beaches.
- Restoration of downdrift beaches.
- Evaluation of management alternatives to facilitate sediment bypassing.

A materials management area will provide for stockpiling of beach quality sand from the interior channel dredging and sand trap for bypassing to areas south of DEP Monument R17 in Indian River County. Construction of the materials management facility with a capacity of 15,000 – 30,000 cubic yards is scheduled for 2010, for which \$825,000 in state funds have already been appropriated. The 2010/11 funds requested represent the balance of funds required for the construction of the materials management area, as well as the dredging of the sand trap. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction of the materials management area and dredging of the sand trap.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$2,025,000	<u>LOCAL</u>	\$675,000	<u>TOTAL</u>	\$2,700,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2010/2011 Local Government Funding Requests

NAME OF PROJECT: St. Andrews IMP Implementation

LOCAL SPONSOR: DEP, Division of Recreation and Parks

LOCAL CONTACT: Jeff Raley, P.E.

PHONE: (850) 245-3104

PROJECT DESCRIPTION:

The project consists of the stabilization of the inlet shoreline using offshore breakwaters designed to increase the volume of sand being bypassed to the downdrift beaches of Panama City Beach and, thereby, increase the maintenance dredging interval. Staff has determined that 100% of the project is eligible for state funding.

FUNDS REQUESTED:

Funds will be used for construction of breakwaters and first year monitoring.

FEDERAL \$0

STATE \$2,065,000

LOCAL \$0

TOTAL \$2,065,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Ft. Pierce IMP Implementation

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1707

PROJECT DESCRIPTION:

The Ft. Pierce Inlet Management Plan adopted in 1997 defines measures needed to mitigate the adverse impacts of the inlet on the coastal system. Plan recommendations include:

- Initial restoration of 2.3 miles of beach south of the inlet, placement of all beach compatible maintenance or offshore dredged material on downdrift beaches.
- Placement of supplemental material from upland sources, or dredged from nearshore north of the inlet, or from seaward of depth of closure on the beaches south of the inlet such that the combined total of material from all sources equals or exceeds 130,000 cubic yards on an average annual basis.
- Improvement of the south jetty to reduce backflow of material into the inlet.
- Implement a comprehensive inlet, beach, and offshore monitoring program.
- Evaluate possible alternatives to facilitate the bypassing of sand from the shoreline north of the inlet to the downdrift beaches.

Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for the design of a deposition basin.

FEDERAL \$0

STATE \$90,000

LOCAL \$30,000

TOTAL \$120,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Hillsboro IMP Implementation

LOCAL SPONSOR: Hillsboro Inlet District

LOCAL CONTACT: Jack Holland

PHONE: (561) 479-5627

PROJECT DESCRIPTION:

The Hillsboro Inlet Management Plan, adopted in 1997, defines measures needed to mitigate the adverse impacts of the inlet on the coastal system. Plan recommendations include:

- Bypass 120,000 cubic yards of beach compatible sediment to downdrift beaches on an annual average basis
- Construct the deposition basin to facilitate the bypassing objectives
- Validate, or redefine the adopted sediment budget based on comprehensive monitoring by Dec. 31, 2001
- Implement a comprehensive beach and offshore monitoring program

Construction of the sediment basin was completed in 2002. In 2008, the Hillsboro Inlet District purchased a 14" cutterhead dredge for bypassing material to downdrift beaches. Staff has determined that 85% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used to reimburse the purchase cost of a dredge.

FEDERAL \$0

STATE \$1,040,458

LOCAL \$591,633

TOTAL \$1,632,091

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Lake Worth IMP Implementation

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Paul Brazil

PHONE: (561) 838-5440

PROJECT DESCRIPTION:

In 1996, the Department adopted the Lake Worth Inlet Management Plan. The recommendations include:

- Reactivate and enhance the performance of the existing sand transfer plant.
- Perform a study to implement changes with the L-groin to improve sand movement into the sand transfer plant (STP).
- Bypass all beach compatible dredged material during channel maintenance activities to downdrift beaches.
- Conduct additional studies to determine the downdrift beaches to be restored as mitigation for the effects of the inlet.
- Conduct studies to determine the necessity of expansion of the settling basin.
- Implement a comprehensive beach and offshore monitoring program.

A sand transfer plant was constructed on the north jetty in 1958 but was not operational between May 1990 and May 1996. The STP bypasses sand to the downdrift beach immediately south of the jetty. In December 2000, a sediment budget study recommended bypassing an average annual volume of 202,000 cy/yr to the downdrift beaches. This was to be accomplished via sand transfer plant and routine maintenance dredging. In 2007, the USACE placed 200,000 cubic yards of sand from the maintenance dredging in the project area between DEP Monuments R76 - R78.5. The STP is in need of a complete renovation. Phase I construction involves complete overhaul of the existing structure and equipment and is presently being conducted. Phase II construction is scheduled for 2011/2012 and will include installation of a booster pump and extension of discharge pipe. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design, construction, and monitoring.

FEDERAL \$0

STATE \$2,973,750

LOCAL \$991,250

TOTAL \$3,850,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Boca Raton IMP Implementation

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Robert DiChristopher

PHONE: 561-416-3385

PROJECT DESCRIPTION:

The Boca Raton Inlet Management Plan was adopted in 1997. The recommendations include:

- Bypass sediment to downdrift beaches
- Construct the deposition basin to facilitate the bypassing objectives
- Maintain existing jetty structures
- Implement a comprehensive beach and offshore monitoring program

The project consists of the bypassing of material from Boca Raton Inlet to the beaches on the south side of the inlet. The IMP study determined the area of influence to extend from the south jetty to a distance 3,000 feet south of the inlet. The original IMP bypassing objective was 71,300 cubic yards per year. In October 2002, the bypassing goal was revised to 83,000 cubic yards per year. The bypassing objective is achieved through dredging with the City-owned dredge and nourishment from the inlet ebb shoal. In 2004, the weir on the north jetty was extended 50 ft seaward to allow for the creation of a wider beach in conjunction with nourishment north of the inlet. In 2008, the wooden crib structure of the north jetty was rehabilitated with quarried rock. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for bypassing and first year monitoring.

FEDERAL \$0

STATE \$373,275

LOCAL \$124,425

TOTAL \$467,700

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Jupiter IMP Implementation

LOCAL SPONSOR: Jupiter Inlet District

LOCAL CONTACT: Mike Grella

PHONE: (561) 746-2223

PROJECT DESCRIPTION:

The Jupiter Inlet Management Plan was adopted in 1997. The recommendations include:

- Bypass sediment to downdrift beaches
- Expand existing sand trap to facilitate the bypassing objectives
- Improve jetty structures to reduce erosion and facilitate bypassing
- Implement a comprehensive beach and offshore monitoring program

Maintenance dredging of the navigation channel and sand trap generally occurs on an annual basis with placement of suitable material on the downdrift beaches located south of the inlet. The U.S. Army Corps of Engineers periodically bypasses material from the Intracoastal Waterway during maintenance dredging events. The beaches located south of the inlet were restored during 1995 to mitigate erosion caused by the inlet. The IMP study estimated the need to bypass 75,000 cubic yards of material annually to offset the impacts of the inlet. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design, construction and monitoring of bypassing.

FEDERAL \$0

STATE \$747,496

LOCAL \$249,165

TOTAL \$982,330

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: South Lake Worth IMP Implementation

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Tracy Logue

PHONE: (561) 231-2491

PROJECT DESCRIPTION:

The South Lake Worth Inlet Management Plan adopted in 1999 defines measures needed to mitigate the adverse impacts of the inlet on the coastal system. Plan recommendations included:

- Bypassing beach compatible maintenance dredged material to downdrift beaches within the area of inlet influence.
- Expansion of the existing sand trap to facilitate bypassing.
- Sand transfer plant maintenance.
- Implementation of a comprehensive beach and offshore monitoring program.

During FY 1997/1998, the shoreline immediately south of the inlet was restored to mitigate for inlet effects. In 2002, construction was completed which expanded the sand trap. During the hurricane season of 2004, the sand transfer plant was damaged and rendered inoperable. Reconstruction and remodeling of the sand transfer plant is underway. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction.

FEDERAL \$0

STATE \$78,000

LOCAL \$26,000

TOTAL \$104,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: Mexico Beach IMP Implementation

LOCAL SPONSOR: City of Mexico Beach

LOCAL CONTACT: Chris Hubbard

PHONE: (850) 648-5700

PROJECT DESCRIPTION:

The project consists of the bypassing of sand, via truck haul, from the beach updrift of Mexico Beach Inlet to the critically eroded beaches to the downdrift side of the inlet, as recommended in the Strategic Beach Management Plan. Although a bypassing pipeline system is in place, the system only allows for bypassing of approximately 50% of the recommended bypass quantity. The truck haul will allow for the bypassing of approximately 100% of the recommended bypass quantity. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for the design, construction and monitoring of the sand bypassing project.

FEDERAL \$0

STATE \$186,750

LOCAL \$62,250

TOTAL \$249,000