

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Water Resource Management

Beach Management Funding Assistance Program

February 27, 2013

Fixed Capital Outlay Local Government Funding Requests For FY 2013/2014

The projects presented in this funding request are scheduled restorations, maintenance nourishments and inlet management projects planned in accordance with the Strategic Beach Management Plan. This funding request does not include the funds necessary to address storm impacts from the 2012 hurricane season, due to the timing of the storms, the post-storm assessments, and the funding application submittals. Funding needs and project phases could change based on the availability of federal funding.



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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 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 "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.

DEP currently designates 397.9 miles of sandy shoreline as critically eroded. Since 1998, when the Legislature dedicated a portion of the Ecosystem Management and Restoration Trust Fund for beach management, \$541.6 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 over 222.1 miles, or nearly 56%, of the state's critically eroded beaches.

The funding requests for FY 2013-2014 consist of sixty-nine different projects, which total over \$90 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 authority in Sections 161.101 and 161.143, F. S. and the procedures 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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2012 HURRICANE SEASON IMPACTS

Florida was impacted by three storms during the 2012 Hurricane Season. In June, Tropical Storm Debby moved slowly up Florida's Southwest Gulf Coast, bringing torrential rainfall and two days of sustained onshore winds. The storm eventually made landfall in the Steinhatchee area, but severe beach erosion extended from Pinellas County south to Collier County. FEMA declared an emergency and storm damage repair funding is anticipated for non-federal projects. Storm damage assistance for federal projects is anticipated from the Flood Control and Coastal Emergencies Program.

Hurricane Isaac moved into the Gulf of Mexico in August. Although the storm did not make landfall in Florida, hurricane warnings were extended from Tampa Bay southward along the Gulf Coast and from the Keys northward to Sebastian Inlet. Tropical storm activity, coupled with high tides, resulted in significant inland flooding and beach erosion along the Atlantic Coast. Although FEMA declared an emergency in response to Hurricane Isaac, beach erosion damages were not as significant as those documented from Tropical Storm Debby.

In October, Hurricane Sandy brought tropical storm force winds and rain to the Atlantic Coast. Impacts were documented from Miami-Dade County north through St. Johns County and repairs are estimated at \$185 million dollars. Although an emergency declaration was denied by FEMA for non-federal projects, the USACE is preparing an emergency plan to address federal projects impacted by Hurricane Sandy.

The projects presented in the priority tables in this funding request are regularly scheduled restorations, maintenance nourishments and inlet management projects included in the statewide program. Funds necessary to address storm impacts from the 2012 hurricane season are not specifically addressed in this funding request. Local governments initiated their annual funding applications for FY 2013-2014 prior to completion of the post storm assessments for Hurricanes Debby and Isaac and prior to the impacts of Hurricane Sandy. Additionally, the program has no statutory or rule authority to provide ranking priority based on recent storm impacts. Historically, state cost sharing for the repair of storm impacts has been addressed through supplemental funding plans appropriated by the Legislature.

It is anticipated that storm impacts could potentially change the ranking scores, especially with regards to the availability of federal funding. The Department welcomes the opportunity to work with local sponsors and the Legislature to adapt the priority list presented in the following pages to reflect current post-storm conditions, whether that involves a separate storm damage appropriation or a single integrated appropriation under the Statewide Beach Management Program.

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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 fifty-five Beach Restoration and Nourishment Projects ("Beach Projects") for FY 2013-2014 total over \$81 million. 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;
- Beach Restoration and Nourishment Projects;
- New Projects: Feasibility and Design, with projects prioritized in each category;
- Regional Monitoring.

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.

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 RESTORATION AND NOURISHMENT PROJECTS

Proposed projects do not reflect 2012 storm impacts. Funding needs and project phases may change based on the availability of federal funding.

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Post-construction Monitoring	Numerous Local Sponsors	Monitoring	\$122,242	\$2,211,717	\$3,430,623	\$5,764,582	\$2,211,717
Ft. Pierce Shore Protection Project	St. Lucie County	Construction	\$4,666,000	\$552,000	\$552,000	\$5,770,000	\$2,763,717
North/South Reaches- Brevard County Shore Protection Project	Brevard County	Design		\$260,809	\$297,191	\$558,000	\$3,024,526
St. Johns County Shore Protection Project (5)	St. Johns County	Construction		\$138,317	\$179,215	\$317,532	\$3,162,843
Nassau County Shore Protection Project	City of Fernandina Beach	Design, Construction	\$2,997,938	\$282,138	\$325,394	\$3,605,470	\$3,444,981
Venice Beach Segment- Sarasota County Shore Protection Project (2)	City of Venice	Construction	\$10,640,000	\$1,573,824	\$1,786,176	\$14,000,000	\$5,018,805
Martin County Shore Protection Project (5)	Martin County	Construction		\$876,244	\$1,036,952	\$1,913,196	\$5,895,049
Treasure Island- Pinellas County Shore Protection Project	Pinellas County	Construction	\$7,200,000	\$2,400,000	\$2,400,000	\$12,000,000	\$8,295,049
Anna Maria Island- Manatee County Shore Protection Project	Manatee County	Design	\$282,000	\$109,000	\$109,000	\$500,000	\$8,404,049

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 20 previously constructed projects require monitoring activities for FY 2013/14. A complete monitoring project listing can be found on page 14. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Projects at or above the cumulative state total of \$30 million are considered priority projects consistent with Section 201.15, F.S.
- (5) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY2011/12.

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Proposed projects do not reflect 2012 storm impacts. Funding needs and project phases may change based on the availability of federal funding.

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Ft. Pierce Beach Truck Haul (5)	St. Lucie County	Construction		\$675,000	\$675,000	\$1,350,000	\$9,079,049
Long Key Segment- Pinellas County Shore Protection Project	Pinellas County	Construction	\$4,800,000	\$1,612,500	\$1,612,500	\$8,025,000	\$10,691,549
Ocean Ridge Segment- Palm Beach County Shore Protection Project	Palm Beach County	Design, Construction	\$4,465,000	\$1,917,500	\$1,917,500	\$8,300,000	\$12,609,049
Upham Beach Groin Replacement	Pinellas County	Construction		\$4,073,770	\$4,073,770	\$8,147,540	\$16,682,819
Ft. Zachary Taylor Breakwater Rehabilitation	FDEP-Parks	Design, Construction		\$1,533,000		\$1,533,000	\$18,215,819
Lido Key Beach Nourishment (3)	City of Sarasota	Design	\$773,996	\$43,000	\$43,000	\$859,996	\$18,258,819
South Amelia Island Beach Nourishment(5)	FDEP-Parks/SAISSA	Design, Construction		\$4,173,820	\$6,470,965	\$10,644,785	\$22,432,639
Wabasso Beach Restoration (5)	Indian River County	Construction		\$6,250,000	\$6,250,000	\$12,500,000	\$28,682,639
Jupiter/Carlin Segment- Palm Beach Shore Protection Project (5)	Palm Beach County	Design, Construction	\$356,710	\$778,547	\$778,547	\$1,913,804	\$29,461,186
St. Joseph Peninsula Beach Nourishment (3)	Gulf County	Design	\$743,750	\$250,366	\$455,884	\$1,450,000	\$29,711,552
Longboat Key Beach Nourishment(4)	Town of Longboat Key	Design, Construction		\$3,704,515	\$12,550,485	\$16,255,000	\$33,416,067
Pensacola Beach Nourishment	Santa Rosa Island Authority	Design		\$253,150	\$253,150	\$506,300	\$33,669,217

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- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Projects at or above the cumulative state total of \$30 million are considered priority projects consistent with Section 201.15, F.S.
- (5) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY2011/12.

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Proposed projects do not reflect 2012 storm impacts. Funding needs and project phases may change based on the availability of federal funding.

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Segment II- Broward County Shore Protection Project	Broward County	Construction		\$5,648,232	\$8,804,768	\$14,453,000	\$39,317,449
Collier County Beach Nourishment (3)	Collier County	Design, Construction	\$5,113,000	\$4,447,355	\$8,443,645	\$18,004,000	\$43,764,804
Gasparilla Island- Lee County Shore Protection Project	Lee County	Design		\$250,824	\$309,176	\$560,000	\$44,015,628
Long Key State Park Restoration	FDEP-Parks	Design, Construction		\$2,620,000		\$2,620,000	\$46,635,628
Jupiter Island Beach Nourishment (3)(5)	Town of Jupiter Island	Design, Construction	\$2,215,000	\$1,380,992	\$9,089,008	\$12,685,000	\$48,016,620
Bonita Beach Nourishment	Lee County	Design, Construction		\$966,943	\$1,884,555	\$2,851,498	\$48,983,563
Charlotte County Beach Nourishment (3)(5)	Charlotte County	Design, Construction	\$2,474,133	\$1,141,927	\$1,397,948	\$5,014,008	\$50,125,490
South Marco Island Beach Nourishment (3)	Collier County	Design, Construction	\$200,000	\$587,403	\$2,225,830	\$3,013,233	\$50,712,893
Cortez Groin Replacement/Anna Maria Island	Manatee County	Design		\$117,500	\$117,500	\$235,000	\$50,830,393
Mid-Town Beach Nourishment (3)(5)	Town of Palm Beach	Design, Construction	\$1,471,103	\$499,833	\$570,474	\$2,541,410	\$51,330,226
Navarre Beach Nourishment (3)(5)	Santa Rosa County	Design, Construction	\$189,898	\$5,117,341	\$5,492,945	\$10,800,184	\$56,447,567
Brevard County Shore Protection Project, Mid-Reach Segment	Brevard County	Design, Construction	\$18,604,739	\$7,147,256	\$10,487,226	\$36,239,221	\$63,594,823

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 20 previously constructed projects require monitoring activities for FY 2013/14. A complete monitoring project listing can be found on page 14. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Projects at or above the cumulative state total of \$30 million are considered priority projects consistent with Section 201.15, F.S.
- (5) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY2011/12.

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Proposed projects do not reflect 2012 storm impacts. Funding needs and project phases may change based on the availability of federal funding.

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
South Siesta Key Beach Nourishment	Sarasota County	Design		\$193,137	\$316,863	\$510,000	\$63,787,960
Key Biscayne Beach Nourishment (5)	Village of Key Biscayne	Design, Construction		\$1,054,278	\$1,097,310	\$2,151,588	\$64,842,238
Hollywood Beach Nourishment (5)	City of Hollywood	Design, Construction		\$2,282,321	\$2,307,104	\$4,589,425	\$67,124,559
Perdido Key Beach Restoration	Escambia County	Construction		\$5,411,566	\$9,685,584	\$15,097,150	\$72,536,125
Phipps Ocean Park Beach Nourishment (3)(5)	Town of Palm Beach	Design, Construction	\$1,255,860	\$5,613,347	\$10,959,865	\$17,829,072	\$78,149,472
South Boca Raton Beach Nourishment	City of Boca Raton	Design		\$85,575	\$89,425	\$175,000	\$78,235,047
Hillsboro Beach Nourishment (3)(5)	Town of Hillsboro Beach	Design, Construction	\$1,855,596	\$1,198,051	\$3,450,962	\$6,504,609	\$79,433,098
Coral Cove Park Dune Nourishment	Palm Beach County	Construction	\$0	\$270,000	\$270,000	\$540,000	\$79,703,098
New Projects	Numerous Local Sponsors	Feasibility/Design	\$1,646,174	\$1,302,902	\$1,450,324	\$4,399,400	\$81,006,000
Regional Monitoring	FDEP	Monitoring		\$250,000		\$250,000	\$81,256,000
TOTAL			\$70,304,723	\$81,256,000	\$118,766,917	\$266,563,021	

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 20 previously constructed projects require monitoring activities for FY 2013/14. A complete monitoring project listing can be found on page 14. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Projects at or above the cumulative state total of \$30 million are considered priority projects consistent with Section 201.15, F.S.
- (5) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY2011/12.

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INLET SAND BYPASSING/ INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS

Navigational inlets are critical components of the state's commercial and recreational infrastructure, but they contribute significantly to beach erosion by interrupting or altering the natural drift of sand. For this reason, the Legislature has directed the DEP to further commit its comprehensive beach management efforts to addressing beach erosion caused by inlets. Inlet management activities are conducted under the provisions of Section 161.161, F. S., 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 2013-2014, 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 nearly \$9 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.

The Legislature amended Section 161.142, F.S., and created Section 161.143, F.S., in 2008 to strengthen the DEP's commitment to managing sediment around inlets. These sections direct the DEP to develop and maintain sediment budgets for each inlet and ensure beach quality sand is placed on adjacent eroding beaches. It further establishes funding priorities and ranking criteria for inlet projects and requires the DEP to provide an annual inlet project list to the Legislature for funding. The funding requirements provided in Section 161.143, F.S., include:

- o At least ten percent (10%) of the total amount that the Legislature appropriates will be used for the three highest-ranked inlet projects;
- o 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; and
- o Inlet projects may receive 75% state cost share for the proposed activity.

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

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Proposed projects do not reflect 2012 storm impacts. Funding needs and project phases may change based on the availability of federal funding.

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Inlet and Southeast Regional Sediment Management	FDEP	Design	\$0	\$500,000		\$500,000	\$500,000
St. Lucie Inlet IMP Implementation	Martin County	Construction	\$0	\$1,556,250	\$518,750	\$2,075,000	\$2,056,250
Lake Worth Inlet Federal Bypassing	Town of Palm Beach	Construction	\$4,000,000	\$24,750	\$8,250	\$4,033,000	\$2,081,000
Sebastian IMP Implementation	Sebastian Inlet District	Construction	\$0	\$603,750	\$201,250	\$805,000	\$2,684,750
Port Canaveral IMP Implementation	Canaveral Port Authority	Feasibility, Design	\$0	\$88,500	\$29,500	\$118,000	\$2,773,250
Blind Pass	Lee County	Construction	\$0	\$1,211,250	\$403,750	\$1,615,000	\$3,984,500
St. Andrew's Inlet IMP Implementation	FDEP- Parks	Construction	\$0	\$2,305,000		\$2,305,000	\$6,289,500
Longboat Pass IMP Implementation	WCIND, Town and County	Construction	\$0	\$1,614,866	\$538,289	\$2,153,155	\$7,904,366
Ft. Pierce Inlet IMP Implementation	St. Lucie County	Design	\$0	\$37,500	\$12,500	\$50,000	\$7,941,866
South Lake Worth Inlet IMP Implementation	Palm Beach County	Design	\$0	\$112,500	\$37,500	\$150,000	\$8,054,366

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 20 previously constructed projects require monitoring activities for FY 2013/14. A complete monitoring project listing can be found on page 14. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Projects at or above the cumulative state total of \$30 million are considered priority projects consistent with Section 201.15, F.S.
- (5) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY2011/12.

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INLET SAND BYPASSING/INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS (CONT'D)

Proposed projects do not reflect 2012 storm impacts. Funding needs and project phases may change based on the availability of federal funding.

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Ft. Clinch Inlet Sand Transfer	FDEP- Parks	Feasibility	\$0	\$100,000		\$100,000	\$8,154,366
Mexico Beach IMP Implementation	Town of Mexico Beach	Construction	\$0	\$179,250	\$59,750	\$239,000	\$8,333,616
Venice Inlet IMP Implementation	WCIND	Construction	\$0	\$277,500	\$92,500	\$370,000	\$8,611,116
Boca Inlet IMP Implementation	City of Boca Raton	Construction	\$0	\$360,450	\$120,150	\$480,600	\$8,971,566
			\$4,000,000	\$8,971,566	\$2,022,189	\$14,993,755	

- (1) Environmental and physical monitoring required by state and federal permits after the first year of monitoring has been consolidated on the Post-Construction Monitoring list. A total of 20 previously constructed projects require monitoring activities for FY 2013/14. A complete monitoring project listing can be found on page 14. First-year monitoring has been included with construction funds.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries and affected local sponsors have been notified, pursuant to 161.144, F.S.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
- (4) Projects at or above the cumulative state total of \$30 million are considered priority projects consistent with Section 201.15, F.S.
- (5) Project includes funding for reimbursement for construction that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY2011/12.

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BEACH RESTORATION AND NOURISHMENT POST-CONSTRUCTION MONITORING

PROJECT DESCRIPTION:

This category serves to provide continued funding for monitoring activities associated with a previously funded and constructed project. Eligible program activities 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 is included in the construction funds on the beach projects list. "Credits" derived from the pro-ration of the post-construction monitoring list from funding shortfalls since FY2010/11 may have been added to the FY 2013-2014 list.

Project	Federal	State	Local	Total
Ft. Pierce Shore Protection Project	\$0	\$150,000	\$150,000	\$300,000
North/South Reaches- Brevard County Shore Protection Project	\$0	\$81,795	\$93,205	\$175,000
St. Johns County Shore Protection Project	\$0	\$91,773	\$118,909	\$210,682
Anna Maria Island/ Manatee County Shore Protection Project	\$0	\$150,350	\$150,350	\$300,700
Duval County Shore Protection Project	\$0	\$42,489	\$47,511	\$90,000
North Boca Raton Shore Protection Project	\$0	\$11,800	\$11,800	\$23,600
Estero Island – Lee County Shore Protection Project	\$0	\$22,500	\$22,500	\$45,000
Delray Beach Shore Protection Project	\$61,093	\$23,680	\$23,680	\$108,453
Lido Beach Nourishment	\$0	\$30,000	\$30,000	\$60,000
South Amelia Island Beach Nourishment	\$0	\$95,594	\$148,206	\$243,800
Bathtub Beach Restoration	\$0	\$87,500	\$87,500	\$175,000
St. Joseph Peninsula Beach Restoration	\$0	\$74,445	\$135,555	\$210,000
Wabasso Beach Restoration	\$0	\$275,000	\$275,000	\$550,000
Western Walton Beach Restoration	\$0	\$34,925	\$90,075	\$125,000
Longboat Key Beach Nourishment	\$0	\$96,858	\$328,142	\$425,000
Pensacola Beach Nourishment	\$0	\$52,750	\$52,750	\$105,500
Collier County Beach Nourishment	\$0	\$72,540	\$152,460	\$225,000
Bonita Beach Nourishment	\$0	\$13,562	\$26,438	\$40,000
Jupiter Island Beach Nourishment	\$0	\$82,438	\$542,562	\$625,000
Juno Beach Nourishment	\$0	\$125,000	\$125,000	\$250,000
South Marco Island Beach Nourishment	\$0	\$16,158	\$61,228	\$77,386
Charlotte County Beach Restoration	\$0	\$404,076	\$494,669	\$898,745
Mid-Town Beach Nourishment	\$0	\$94,334	\$107,666	\$202,000
Hollywood Beach Nourishment	\$0	\$36,480	\$36,877	\$73,357
South Boca Raton Beach Nourishment	\$0	\$7,090	\$7,410	\$14,500
Hillsboro Beach Nourishment (1)	\$61,149	\$38,580	\$111,130	\$210,859
TOTAL	\$122,242	\$2,211,717	\$3,430,623	\$5,764,582

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Ft. Pierce Shore Protection Project

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1710

PROJECT DESCRIPTION:

Nourishment of approximately 1.3 miles of shoreline between DEP Monuments R34 - R41 in St. Lucie County. The federal Ft. Pierce Shore Protection Project was initially constructed in 1971, with nourishment in 1980, 1999, 2003, 2004, 2005, 2007, 2009 and 2012. Emergency truck haul nourishment was conducted in 2011 from R34-R35, with federal nourishment following in 2012. Construction of the next federal nourishment is planned for 2014. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design of the borrow area and groins, completion of the General Re-evaluation Report and construction of the FY2013/14 nourishment.

FEDERAL \$4,666,000 **STATE** \$552,000 **LOCAL** \$552,000 **TOTAL** \$5,770,000

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests**

NAME OF PROJECT: North & South Reaches - Brevard County Shore Protection Project

LOCAL SPONSOR: Brevard County

LOCAL CONTACT: Mike McGarry **PHONE:** (321) 633-2016 ext. 52696

PROJECT DESCRIPTION:

Nourishment of approximately 13.6 miles of shoreline located between DEP Monuments R1 - R54.5 and R118.3 - R139 in Brevard County. The project consists of two reaches. The North Reach is approximately 9.8 miles in length, and is located immediately south of Port Canaveral. Initial restoration of the North Reach was completed in 2001. Nourishment is scheduled for 2013 and will be 100% federally funded. The South Reach is approximately 3.8 miles in length. Initial restoration for the South Reach was completed in 2003 and nourishment was completed in 2010. Staff has determined that 95.28% of the project is eligible for State cost sharing.

FUNDS REQUESTED:

Design and permitting of the nourishments for both reaches and a borrow area design for the South Reach.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$260,809	<u>LOCAL</u>	\$297,191	<u>TOTAL</u>	\$558,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 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 shoreline between DEP Monuments R137 - R151 in St. Johns County. The project includes 0.9 miles of beach within Anastasia State Park. Restoration of the federal project and the non-federal extension within the state recreation area was completed in 2003. Emergency nourishment was completed in 2005 based on damages sustained during the 2004 hurricane season. Nourishment was completed in 2012. Staff has determined that 78.87% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Reimbursement of funding shortfalls for the 2012 construction.

<u>FEDERAL</u> \$0	<u>STATE</u> \$138,317	<u>LOCAL</u> \$179,215	<u>TOTAL</u> \$317,532
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Nassau County Shore Protection Project

LOCAL SPONSOR: City of Fernandina Beach

LOCAL CONTACT: Joe Gerrity

PHONE: (904) 277-7300

PROJECT DESCRIPTION:

Nourishment of approximately 4.4 miles of Atlantic shoreline between DEP Monuments R11 and R34. Restoration was completed in 2008 and nourishment is scheduled for 2014. Staff has determined that 92.88% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Final reconciliation of restoration (2008) and design funding shortfalls for the nourishment in 2014.

FEDERAL \$2,997,938 **STATE** \$282,138 **LOCAL** \$325,394 **TOTAL** \$3,605,470

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Venice Beach Segment - Sarasota County Shore Protection Project

LOCAL SPONSOR: City of Venice

LOCAL CONTACT: Kathleen Weeden

PHONE: (941) 486-2626

PROJECT DESCRIPTION:

Nourishment of approximately 3.2 miles of shoreline between DEP Monuments R116 - R133 in Sarasota County. Restoration was completed in two phases between 1994 and 1996, as part of the federal Sarasota County Shore Protection Project. Emergency fill placement was completed in 2005 with assistance from FEMA following storm impacts. Construction of a 7.3 acre mitigation reef was completed in 2008 and monitoring is ongoing. Construction of the federal nourishment is scheduled for FY2013/14. Staff has determined that 93.68% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction of the nourishment.

<u>FEDERAL</u>	\$10,640,000	<u>STATE</u>	\$1,573,824	<u>LOCAL</u>	\$1,786,176	<u>TOTAL</u>	\$14,000,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Martin County Shore Protection Project

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy FitzPatrick

PHONE: (772) 288-5429

PROJECT DESCRIPTION:

Nourishment of approximately 4.2 miles of 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. The next nourishment is scheduled for 2013. Staff has determined that 91.6% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Federal reconciliation of previous project costs dating back to 1980's and post-construction monitoring.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$876,244	<u>LOCAL</u>	\$1,036,952	<u>TOTAL</u>	\$1,913,196
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Treasure Island Segment - Pinellas County Shore Protection Project

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: Andrew Squires

PHONE: (727) 464-4633

PROJECT DESCRIPTION:

Nourishment of approximately 1.4 miles of shoreline between DEP Monuments R126 - R128.2 and R136 - R141.4 in Pinellas County, Florida. 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 last nourished in 2004. In 2006, federally funded hurricane recovery nourishment was conducted in both north and south segments. Nourishment of the north and south ends of the island was completed in 2010. The next nourishment is scheduled for FY2013/14. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for nourishment and first year monitoring.

<u>FEDERAL</u>	\$7,200,000	<u>STATE</u>	\$2,400,000	<u>LOCAL</u>	\$2,400,000	<u>TOTAL</u>	\$12,000,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Anna Maria Island - Manatee County Shore Protection Project

LOCAL SPONSOR: Manatee County

LOCAL CONTACT: Charles Hunsicker

PHONE: (941) 745-3727

PROJECT DESCRIPTION:

Nourishment of approximately 7.3 miles of shoreline 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 was completed in 2002. In 2005, a portion of the island received federally funded hurricane recovery nourishment. Restoration of the Coquina Beach segment (R36 – R41.3) and the City of Anna Maria segment (R7 – R10) was completed in 2011. Nourishment of the entire project is scheduled for FY2014/15. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design, permitting and completion of the Limited Reevaluation Report for the FY14/15 nourishment.

<u>FEDERAL</u>	\$282,000	<u>STATE</u>	\$109,000	<u>LOCAL</u>	\$109,000	<u>TOTAL</u>	\$500,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Ft. Pierce Beach Emergency Truck Haul (2011)

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1710

PROJECT DESCRIPTION:

Nourishment of approximately 1.3 miles of shoreline between DEP Monuments R34 - R41 in St. Lucie County. The federal Ft. Pierce Shore Protection Project was initially constructed in 1971, with nourishment in 1980, 1999, 2003, 2004, 2005, 2007, 2009 and 2012. Emergency truck haul nourishment was conducted in 2011 from R34-R35, with federal nourishment following in 2012. Construction of the next federal nourishment is planned for 2014. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Reimbursement for the 2011 emergency truck haul construction.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$675,000	<u>LOCAL</u>	\$675,000	<u>TOTAL</u>	\$1,350,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Long Key Segment - Pinellas County Shore Protection Project

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: Andrew Squires

PHONE: (727) 464-4633

PROJECT DESCRIPTION:

Nourishment of approximately 1.6 miles of shoreline on Long Key between DEP Monuments R144 - R148 (Upham Beach) and R160 – R165 (Pass-a-Grille Beach) in Pinellas County, Florida. The federal project was initially constructed in 1980 with nourishment occurring on a four-year cycle. Construction of the nourishment project and interim repair of damaged geotextile groins on Upham Beach was completed in 2011. Subsequent nourishment of both Pass-a-Grille and Upham Beach segments is scheduled for FY2013/14. Staff has determined that 100% of the project area is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for nourishment and first year monitoring.

<u>FEDERAL</u>	\$4,800,000	<u>STATE</u>	\$1,612,500	<u>LOCAL</u>	\$1,612,500	<u>TOTAL</u>	\$8,025,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Ocean Ridge Segment - Palm Beach County Shore Protection Project

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Leanne Welch

PHONE: (561) 233-2434

PROJECT DESCRIPTION:

Nourishment of 1.4 miles of shoreline between DEP Monuments R152 - R159 in Palm Beach County. The federally authorized project initially 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. Maintenance disposal material from South Lake Worth Inlet sand trap was placed in 2008. Bypass material from the South Lake Worth Inlet Sand transfer plant, which was refurbished in 2010, will be placed annually in the project area. Construction of a 2.25 acre mitigation reef was completed in 2011. Design funding will be used to complete a federal Limited Re-evaluation Report (LRR) for future nourishments. Construction is scheduled for FY2013/14. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design, construction and year one monitoring of the nourishment.

<u>FEDERAL</u>	\$4,465,000	<u>STATE</u>	\$1,917,500	<u>LOCAL</u>	\$1,917,500	<u>TOTAL</u>	\$8,300,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Upham Beach Erosion Control Structures- Long Key

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: Andrew Squires

PHONE: (727) 464-4633

PROJECT DESCRIPTION:

Design and construction of permanent rock structures to stabilize approximately 3,788 feet of 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. Construction of the nourishment project and interim repair of damaged geotextile groins was completed in 2011. A federal feasibility study to determine the amount of federal participation in the construction of permanent structures is anticipated for FY2013/14. The Department issued a Joint Coastal Permit for the construction of the permanent structures on October 30, 2012. Staff has determined that 100% of the project area is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for reimbursement for work conducted in FY 2012/2013 on the repair of the geotubes and for design and permitting of the permanent structures. Funds will also be used for construction of the rock structures in FY 2013/2014.

<u>FEDERAL</u>	\$0	<u>STATE</u> \$4,073,770	<u>LOCAL</u> \$4,073,770	<u>TOTAL</u> \$8,147,540
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Ft. Zachary Taylor Breakwater Rehabilitation and Nourishment

LOCAL SPONSOR: FDEP, Division of Recreation and Parks

LOCAL CONTACT: Sri Tamisetti **PHONE:** (850) 245-3104

PROJECT DESCRIPTION:

Nourishment of approximately 0.3 mile of shoreline within Ft. Zachary Taylor State Park in Monroe County. Restoration was completed in 2007. Nourishment is scheduled for FY2013/14, in conjunction with rehabilitation of the breakwaters. Staff has determined that 100% of the project is eligible for state cost share.

FUNDS REQUESTED:

Design, construction of the nourishment and the breakwater rehabilitation, and first year monitoring.

FEDERAL \$0 **STATE** \$1,533,000 **LOCAL** \$0 **TOTAL** \$1,533,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Lido Key Beach Nourishment

LOCAL SPONSOR: City of Sarasota

LOCAL CONTACT: Alexandra DavisShaw

PHONE: (941) 365-2200

PROJECT DESCRIPTION:

Nourishment of approximately 2.2 miles of shoreline between DEP monuments R31 - R44 in Sarasota County. Restoration of the northern 1.2 miles was conducted in 1998. The remainder of the project area was restored in 2000-01. The first nourishment was conducted in 2003. Hurricane recovery nourishment of the project was completed in 2009 with funding from FEMA. Subsequent hurricane recovery nourishment to repair damages sustained during Tropical Storm Debby is scheduled for FY2014/15. The federal nourishment is scheduled for FY2016/17. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design of the FEMA nourishment.

<u>FEDERAL</u>	\$773,996	<u>STATE</u>	\$43,000	<u>LOCAL</u>	\$43,000	<u>TOTAL</u>	\$859,996
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: South Amelia Island Beach Nourishment

LOCAL SPONSOR: South Amelia Island Shore Stabilization Association & FDEP (Div. of Rec. & Parks)

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

PROJECT DESCRIPTION:

Nourishment of approximately 3.4 miles of shoreline between DEP Monuments R60 – R79 in Nassau County. Restoration was completed in 1994 with subsequent placement of sand dredged from the Atlantic Intracoastal Waterway following in 1997 and 2001. Nourishment was completed in 2002 with cost sharing between the South Amelia Island Shore Stabilization Association (SAISSA) and FDEP's Division of Rec. and Parks. Construction of a terminal groin and breakwater was completed in 2005. Nourishment was completed again in 2011. Staff has determined that 78.41% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Reimbursement for design, construction and year one monitoring of the 2011 nourishment and year two post-construction monitoring.

FEDERAL \$0 **STATE** \$4,173,820 **LOCAL** \$6,470,965 **TOTAL** \$10,644,785

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Wabasso Beach Restoration

LOCAL SPONSOR: Indian River County

LOCAL CONTACT: James Gray

PHONE: (772) 226-1344

PROJECT DESCRIPTION:

Restoration of approximately 6.1 miles of shoreline between DEP Monuments R20 - R51 (critically eroded section) in Indian River County (Sector 3). Phase I construction was completed in 2010. Phase II construction was initiated in 2011 and completed in 2012. 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 (reimbursement).

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$6,250,000	<u>LOCAL</u>	\$6,250,000	<u>TOTAL</u>	\$12,500,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Jupiter-Carlin Segment - Palm Beach County Shore Protection Project

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Leanne Welch

PHONE: (561) 233-2434

PROJECT DESCRIPTION:

Nourishment of approximately 1.1 miles of shoreline between DEP Monuments R13 - R19 in Palm Beach County. The federally authorized project was restored in 1995 and nourished in 2002. The project receives routine bypass material from Jupiter Inlet. A federal Section 934 Report development, required for continued federal cost sharing, is ongoing. Nourishment is scheduled for FY2014/15. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Construction of dune nourishment (reimbursement), design of the federal project for reauthorization (reimbursement), and monitoring of the dune project.

<u>FEDERAL</u>	\$356,710	<u>STATE</u>	\$778,547	<u>LOCAL</u>	\$778,547	<u>TOTAL</u>	\$1,913,804
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 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 7.5 miles of shoreline between DEP Monuments R69 - R105.5 in Gulf County. Restoration was completed in 2009 and monitoring is ongoing. Due to damages sustained from Tropical Storm 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 FEMA storm recovery funds and Florida DEM matching funds. FEMA construction is scheduled for FY2014/15. Local sponsor is also requesting feasibility funds for extension of the project and stabilizing structures in the Stump Hole area to extend the life of the project on the south end. Staff has determined that 70.9% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for Hurricane Gustav FEMA recovery (geotechnical study, design and permitting) and a study to evaluate the possibility of extending the project area south.

<u>FEDERAL</u>	\$743,750	<u>STATE</u>	\$250,366	<u>LOCAL</u>	\$455,884	<u>TOTAL</u>	\$1,450,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Longboat Key Beach Nourishment

LOCAL SPONSOR: Town of Longboat Key

LOCAL CONTACT: Juan Florensa

PHONE: (941) 316-1988

PROJECT DESCRIPTION:

Nourishment of 9.8 miles of shoreline between DEP Monuments R44 - R67 in Manatee County and R1 - R29.5 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 an adjustable groin designed to enhance the performance of a small portion of the project was completed in 2010. A sand source investigation has been completed offshore of Hillsborough, Manatee and Sarasota Counties. Emergency placement of sand on the North End was completed in 2011. An interim nourishment using sand from the Port Dolphin LNG pipeline corridor is scheduled for FY2013/14 to address three hotspot locations. Construction of two permeable groins for the stabilization of the North End of the island is scheduled for FY2013/14. Nourishment of the entire project is scheduled for FY2015/16. Design of the nourishment, design of the North End Structures, and monitoring of the mitigation reef is ongoing. Staff has determined that 45.58% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design and construction of the interim nourishment, design and construction of the North End Structures, design of the next full nourishment, and permit-required monitoring.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$3,704,515	<u>LOCAL</u>	\$12,550,485	<u>TOTAL</u>	\$16,255,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Pensacola Beach Nourishment

LOCAL SPONSOR: Santa Rosa Island Authority

LOCAL CONTACT: Paolo Ghio

PHONE: (850) 932-2257

PROJECT DESCRIPTION:

Nourishment of approximately 8.1 miles of shoreline between DEP Monuments R107 - R151 in Escambia County. The project was first restored in 2003 and nourished in 2005/06, following storm impacts. The current project consists of construction of a FEMA storm recovery nourishment to repair damages sustained during Tropical Storm Gustav. Construction is scheduled for FY2014/15 (Fall 2014). The Local Sponsor intends to construct the project with or without support from FEMA. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$253,150	<u>LOCAL</u>	\$253,150	<u>TOTAL</u>	\$506,300
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Segment II - Broward County Shore Protection Project

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Eric Myers

PHONE: (954) 519-1231

PROJECT DESCRIPTION:

Restoration and nourishment of Atlantic shoreline in Broward County, Florida between Hillsboro Inlet and Port Everglades. The project consists of approximately 1.38 miles of beach nourishment, between DEP Monuments R36-R41.3 and R51-R53 and restoration of approximately 3.56 miles between DEP Monuments R53 and R72 in Broward County. The Segment II portion of the Broward County Federal 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 2013. Staff has determined that 78.16% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds requested will be used for initial construction phase (phase 1 of 3) for the truck haul, initial construction of the mitigation reef and first year monitoring.

FEDERAL \$0

STATE \$5,648,232

LOCAL \$8,804,768

TOTAL \$14,453,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Collier County Beach Nourishment

LOCAL SPONSOR: Collier County

LOCAL CONTACT: Gary McAlpin

PHONE: (239) 252-5342

PROJECT DESCRIPTION:

Nourishment of three segments along 8.6 miles of shoreline in Collier County. The segments consist of the following components: Vanderbilt Beach, approximately 2.8 miles between DEP Monuments R22 - R37; Park Shore, approximately 2.1 miles between DEP Monuments R43.7 - R54.4; and Naples, approximately 3.7 miles between DEP Monuments R58 – R79. Restoration was completed in 1996. Nourishment was completed in 2006. Design for the FY2013/14 nourishment is proposed and includes FEMA storm recovery funds from damage incurred during Tropical Storm Faye. Staff has determined eligibility for state cost sharing to be 48.46% for Vanderbilt Beach, 33.16% for Park Shore, and 95.02% for Naples.

FUNDS REQUESTED:

Funds will be used for design, construction and year one monitoring of the next nourishment.

<u>FEDERAL</u>	\$5,113,000	<u>STATE</u>	\$4,447,355	<u>LOCAL</u>	\$8,443,645	<u>TOTAL</u>	\$18,004,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Gasparilla Island - Lee County Shore Protection Project

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Justin McBride

PHONE: (239) 533-8130

PROJECT DESCRIPTION:

Nourishment of 3.1 miles of shoreline on Gasparilla Island between DEP Monuments R10 - R26A in Lee County. The project is part of the federal Lee County Shore Protection Project. Restoration was completed in 2007. Nourishment is scheduled for FY2014/15. Staff has determined that 89.58% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design of the nourishment.

<u>FEDERAL</u> \$0	<u>STATE</u> \$250,824	<u>LOCAL</u> \$309,176	<u>TOTAL</u> \$560,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Long Key State Park Beach Restoration

LOCAL SPONSOR: FDEP, Division of Recreation and Parks

LOCAL CONTACT: Sri Tamisetti

PHONE: (850) 245-3104

PROJECT DESCRIPTION:

Restoration of 0.6 mile of shoreline within Long Key State Park in Monroe County. An engineering analysis is nearing completion. Construction is scheduled for FY2013/14. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design and construction of the restoration.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$2,620,000	<u>LOCAL</u>	\$0	<u>TOTAL</u>	\$2,620,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 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 shoreline between DEP Monuments R75 - R111 in Martin County. Restoration was completed in 1973. Nourishment has been completed on a 3-4 year cycle, since that time. The last nourishment was conducted in 2012, using FEMA storm recovery funds to repair storm-related damages. Staff has determined that 26.38% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Reimbursement of design and construction for the 2012 nourishment and post-construction monitoring.

<u>FEDERAL</u>	\$2,215,000	<u>STATE</u>	\$1,380,992	<u>LOCAL</u>	\$9,089,008	<u>TOTAL</u>	\$12,685,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Bonita Beach Nourishment

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Justin McBride

PHONE: (239) 533-8130

PROJECT DESCRIPTION:

Nourishment of approximately 0.9 mile of shoreline between DEP Monuments R226 - R230 in Lee County. Restoration was completed in 1995 with nourishment in 2004. The next nourishment is scheduled for FY2013/14. Staff has determined that 67.81% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$966,943	<u>LOCAL</u>	\$1,884,555	<u>TOTAL</u>	\$2,851,498
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Charlotte County (Knight /Don Pedro Islands) Beach Nourishment

LOCAL SPONSOR: Charlotte County

LOCAL CONTACT: Dan Quick

PHONE: (941) 575-3603

PROJECT DESCRIPTION:

Nourishment of approximately 3.0 miles of shoreline between DEP Monuments R14 - R39 in Charlotte County. Restoration was completed in 2003. The first nourishment was completed in 2006. Nourishment was completed in 2011, using FEMA funds received to repair damages sustained during Tropical Storm Faye. A feasibility study for the stabilization of the south end of Manasota Key/Stump Pass Beach State Park is also proposed. Staff has determined that 89.92% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for feasibility study of the terminal structure, design of the next nourishment, construction of the 2011 nourishment (reimbursement).

<u>FEDERAL</u>	\$2,474,133	<u>STATE</u>	\$1,141,927	<u>LOCAL</u>	\$1,397,948	<u>TOTAL</u>	\$5,014,008
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: South Marco Island Beach Nourishment

LOCAL SPONSOR: Collier County

LOCAL CONTACT: Gary McAlpin

PHONE: (239) 252-5342

PROJECT DESCRIPTION:

Nourishment of 1.06 miles of shoreline between DEP Monuments R143-G4 in Collier County. Restoration was completed in 1997 and nourishment was completed in 2007. The next nourishment is scheduled for 2013 and includes FEMA storm recovery funds for damage sustained during Tropical Storm Faye. Staff has determined that 41.76% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction of the nourishment, rehabilitation of groins and first year post-construction monitoring for the 2013 nourishment.

<u>FEDERAL</u>	\$200,000	<u>STATE</u>	\$587,403	<u>LOCAL</u>	\$2,225,830	<u>TOTAL</u>	\$3,013,233
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Cortez Groins Replacement - Anna Maria Island

LOCAL SPONSOR: Manatee County

LOCAL CONTACT: Charles Hunsicker

PHONE: (941) 745-3727

PROJECT DESCRIPTION:

Replacement of the existing groins at Cortez Beach with permeable adjustable groins, between DEP Monuments R34-R36, in Manatee County. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design of the groins.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$117,500	<u>LOCAL</u>	\$117,500	<u>TOTAL</u>	\$235,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Mid-Town Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PHONE: (561) 383-5440

PROJECT DESCRIPTION:

Nourishment of 2.4 miles of shoreline between DEP Monuments R90.4 - R101.4 in Palm Beach County. Restoration was completed in 1995 from R95 - R100. The project included construction of eleven groins which were completed in 1996. In 2003, nourishment was completed in an expanded shoreline length between R90.4 - R101.4. The project was nourished using FEMA funds in 2006 in response to the 2004/2005 hurricane seasons and again in FY2010/11 to repair damages sustained during Tropical Storm Fay. Partial nourishment is scheduled for FY2014/15. The project is estimated to be 93.4% eligible for state cost sharing.

FUNDS REQUESTED:

Reimbursement for a FEMA dune/berm, design (sand search and nourishment), and post-construction monitoring.

<u>FEDERAL</u>	\$1,471,103	<u>STATE</u>	\$499,833	<u>LOCAL</u>	\$570,474	<u>TOTAL</u>	\$2,541,410
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Navarre Beach Nourishment

LOCAL SPONSOR: Santa Rosa County

LOCAL CONTACT: Roger Blaylock

PHONE: (850) 981-7100

PROJECT DESCRIPTION:

Nourishment of 4.1 miles of shoreline between DEP Monuments R192.5 - R213.5 in Santa Rosa County. The restoration was completed in 2006. Due to damages sustained from Tropical Storm Gustav in 2008, a small truck haul hot spot hurricane recovery project was constructed in 2010 from R192 - R194. The federal share includes FEMA storm recovery funds and Florida DEM matching funds. The first nourishment of the entire project is scheduled for FY 2013/14. Staff has determined that 96.45 % of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for reimbursement for the 2010 truck haul and design, construction and year one monitoring of the next nourishment.

FEDERAL \$189,898

STATE \$5,117,341

LOCAL \$5,492,945

TOTAL \$10,800,184

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests**

NAME OF PROJECT: Mid Reach - Brevard County Shore Protection Project

LOCAL SPONSOR: Brevard County

LOCAL CONTACT: Mike McGarry **PHONE:** (321) 633-2016 ext. 52696

PROJECT DESCRIPTION:

Restoration of approximately 7.7 miles of shoreline between DEP Monuments R75 - R118 in Brevard County. The Mid Reach segment is located between the North and South Reaches of the federal Brevard County Shore Protection Project. Design of mitigation for nearshore hardbottom impacts delayed construction until FY2013/14. Staff has determined that 81.06% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design and construction of the project.

FEDERAL \$18,604,739 **STATE** \$7,147,256 **LOCAL** \$10,487,226 **TOTAL** \$36,239,221

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: South Siesta Key Beach Nourishment

LOCAL SPONSOR: Sarasota County

LOCAL CONTACT: Curtis Smith

PHONE: (941) 915-4111

PROJECT DESCRIPTION:

Nourishment of 2 miles of shoreline along South Siesta Key between DEP Monuments R67 - R77 in Sarasota County. Restoration was completed in 2007. Nourishment is scheduled for FY2014/15. Staff has determined that 75.74% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design of the nourishment.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$193,137	<u>LOCAL</u>	\$316,863	<u>TOTAL</u>	\$510,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 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 shoreline between DEP Monuments R101 - R108 in Dade County. Restoration was completed in 1987 with nourishment following in 2002. A second nourishment was completed in 2012. Staff has determined that 98% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Reimbursement for design, construction and first year monitoring for the 2012 nourishment.

<u>FEDERAL</u> \$0	<u>STATE</u> \$1,054,278	<u>LOCAL</u> \$1,097,310	<u>TOTAL</u> \$2,151,588
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Hollywood Beach Nourishment

LOCAL SPONSOR: City of Hollywood

LOCAL CONTACT: Susan Goldberg

PHONE: (954) 921-3993

PROJECT DESCRIPTION:

Nourishment of approximately 1.47 mile of shoreline between DEP Monuments R107 - R109+300 and R119 - R123+680 in Broward County. This project included the nourishment of a chronic hotspot within the boundaries of the Broward Segment III project area. The City of Hollywood designed and permitted the project as a regionalized project with the City of Hallandale. However, the local sponsor constructed the project in independently in FY2011/12. Staff has determined that 99.46% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for reimbursement of design, construction and first year monitoring of the FY2011/12 project.

FEDERAL \$0

STATE \$2,282,321

LOCAL \$2,307,104

TOTAL \$4,589,425

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 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:

Restoration of approximately 6.5 miles of shoreline between DEP Monuments R1 - R34 in Escambia County, Florida. Beach and dune restoration is proposed for the 3.0-mile beach segment between R19 and R34, protective berm construction is proposed from R12.5 to R19 and dune restoration is proposed for 2.4 miles between R01 to R12.5. Construction is scheduled for 2013. Staff has determined that 51.7% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$5,411,566

LOCAL \$9,685,584

TOTAL \$15,097,150

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Phipps Ocean Park Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PHONE: (561) 838-5440

PROJECT DESCRIPTION:

Nourishment of 1.4 miles of shoreline located between DEP Monuments R118.7 - R126 in Palm Beach County. In 2004, a 3.1 acre mitigation reef was constructed to compensate for impacts to hardbottom resources. Restoration was completed in 2006. FEMA dune restoration was completed in 2011 to compensate for damages sustained during Tropical Storm Fay. Nourishment is scheduled for FY2013/14. Staff has determined that 67.74% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Reimbursement for a FEMA dune/berm, design (sand search and nourishment), and post-construction monitoring.

<u>FEDERAL</u>	\$1,255,860	<u>STATE</u>	\$5,613,347	<u>LOCAL</u>	\$10,959,865	<u>TOTAL</u>	\$17,829,072
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: South Boca Raton Beach Nourishment

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: (561) 416-3397

PROJECT DESCRIPTION:

Nourishment of approximately 1.0 mile of shoreline between DEP Monuments R223.3 - R227.9 in Palm Beach County. Restoration was completed in 1985 with nourishment in 1996, 2002 and 2010. The project area also receives bypass material from Boca Raton Inlet as a result of the annual maintenance dredging. Nourishment is scheduled for FY2015/16. Staff has determined that 97.8% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design of the ebb shoal and beach template along with year 3 post-construction monitoring.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$85,575	<u>LOCAL</u>	\$89,425	<u>TOTAL</u>	\$175,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Hillsboro Beach Nourishment

LOCAL SPONSOR: Town of Hillsboro Beach

LOCAL CONTACT: Jean Marie Mark

PHONE: (954) 427-4011

PROJECT DESCRIPTION:

Nourishment of 1.14 miles of shoreline between DEP Monuments R6 - R12 in Broward County, Florida. The project was initially restored in 1972, with nourishment occurring in 1998 and 2011. The 2011 nourishment was partially funded with FEMA funds and Florida DEM matching funds, noted below in the Federal category, as a result of damage sustained during the 2004/05 storm seasons. Design of the FY2015-16 interim nourishment is proposed to extend the life of the current project to coordinate with the next full nourishment of South Boca Raton. The next full nourishment is planned to be contracted as a regionalized project with the City of Boca Raton. Staff has determined that 51.54% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for reimbursement for the design, construction and first year monitoring of the 2011 nourishment, and design of the 2015/16 interim nourishment.

FEDERAL \$1,855,596

STATE \$1,198,051

LOCAL \$3,450,962

TOTAL \$6,504,609

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Coral Cove Park Dune Nourishment

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Reubin Bishop

PHONE: (561) 233-2419

PROJECT DESCRIPTION:

The project consists of periodic restoration and maintenance of the dune. The initial dune restoration was completed in 1993 using sand from an upland source. A 2004 special session of the Florida Legislature designated emergency funding in combination with FEMA funds for a dune maintenance project. Funding was provided in H5PB1 at 90% state cost share. The project required no additional maintenance until significant erosion occurred in the winter of 2011/12. As a result of the 2011/12 erosion event, a dune repair project is planned for winter 2012/13.

FUNDS REQUESTED:

Construction of dune nourishment and year one monitoring

FEDERAL \$0

STATE \$270,000

LOCAL \$270,000

TOTAL \$540,000

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests**

PROJECTS: FEASIBILITY AND DESIGN

PROJECT DESCRIPTION:

The Department has a responsibility to evaluate critically eroded beaches to determine the best option for their management. Program funds can be used to conduct studies necessary to determine the economic, environmental, and engineering feasibility of proposed projects. Program funds can 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>				
Flagler County Federal Shore Protection Project	\$520,000	\$225,750	\$225,750	\$971,500
South Ponte Vedra/Vilano/Summerhaven Federal Shore Protection Project	\$350,000	\$306,500	\$306,500	\$963,000
Bathtub Beach/Sailfish Point Project	\$0	\$175,000	\$175,000	\$350,000
South St. Lucie County Federal Feasibility Study	\$0	\$100,000	\$100,000	\$200,000
Vero Beach Restoration	\$0	\$50,000	\$50,000	\$100,000
Central Palm Beach Restoration	\$0	\$390,000	\$390,000	\$780,000
SUB-TOTAL FEASIBILITY	\$870,000	\$1,247,250	\$1,247,250	\$3,364,500
<u>Design</u>				
Walton County Federal Shore Protection Project	\$776,174	\$55,652	\$203,074	\$1,034,900
SUB-TOTAL DESIGN	\$776,174	\$55,652	\$203,074	\$1,034,900
TOTAL	\$1,646,174	\$1,302,902	\$1,450,324	\$4,399,400

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Regional Monitoring

LOCAL SPONSOR: FDEP

LOCAL CONTACT: Gene Chalecki

PHONE: (850) 488-7813

PROJECT DESCRIPTION:

The Regional Data Collection and Processing Program is designed to address statewide coastal erosion and change analysis and outlines the minimum data collection efforts necessary to accomplish the program goals. It includes a combination of in-house and contracted work efforts that provide for complete statewide coverage of the program jurisdictional areas on an eight-year cycle. The data collection cycle includes the acquisition and development of the following:

- Aerial Photography
- Aerial Oblique Photography for reconnaissance and emergency response
- Conventional topographic and bathymetric surveys
- Laser remote sensing technologies including topographic and bathymetric data (LIDAR)
- Computer based stereo photo modeling

These data are used to support all aspects of the statewide beach management and coastal permitting programs, including the planning and design of beach restoration and nourishment, post-hurricane response and recovery activities, and the development of the critically eroded beaches inventory. The collection and analysis of the data is coordinated with other statewide initiatives including the annual aerial digital photo acquisition initiative, the U. S. Army Corps of Engineers Regional Sediment Management efforts, and the local government project sponsors to increase cost efficiency and avoid duplication of efforts.

FUNDS REQUESTED:

Funds will be used for the collection and processing of aerial photography of the Southwest region from Pinellas to Collier County.

FEDERAL \$0

STATE \$250,000

LOCAL \$0

TOTAL \$250,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Inlet Management (Sediment Budget Analysis & Inventory) and Southeast Florida Regional Sediment Management – BOEM Lease

LOCAL SPONSOR: FDEP

LOCAL CONTACT: Lainie Edwards **PHONE:** 850-414-7796

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. 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) Florida Statutes.

Pursuant to s. 161.144 the Legislature recognizes that beach-quality sand for the nourishment of the state's critically eroded beaches is an exhaustible resource and must be carefully managed for the system-wide benefit of the state's beaches. In 2012, the Department in cooperation with the U.S. Army Corps of Engineers (Corps) initiated a *Sand Availability and Need Determination (SAND) Study* of the sand resources for beach restoration and beach nourishment in the southeast Florida counties of St. Lucie, Martin, Palm Beach, Broward and Miami-Dade.

The Department's legislative budget proposal will be used to facilitate the use of the sand resources in Federal waters for the benefit of the State's beach management projects in southeast Florida. The Department will seek to enter into a cooperative agreement with the Corps and BOEM. The Department will be required to complete an Environmental Impact Statement and other National Environmental Policy Act (NEPA) documents with assistance from the Department's contractual resources. Additional coordination will be required to obtain the approval of BOEM.

FUNDS REQUESTED:

Funds will be used for the Inlet Sediment Budget Analysis and Inventory and to facilitate the use of sand resources in Federal waters, coordinate with the Corps and BOEM, and to initiate an EIS.

FSU – Beaches and Shores Resource Center	\$200,000
Regional Sand Management	\$300,000

<u>FEDERAL</u> \$0	<u>STATE</u> \$500,000	<u>LOCAL</u> \$0	<u>TOTAL</u> \$500,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: St. Lucie Inlet 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 (approximately 4-5 year cycle).
- Dredge interior inlet flood tidal shoal and place beach quality material on downdrift beaches (1999).
- Investigate options which include modifications to the north jetty (2009) and expansion of the sedimentation basin (2000).
- Implement a comprehensive beach and offshore monitoring program.
- Evaluate the feasibility and need for an extension of the south jetty.

Federally authorized improvements began in 1982 with the construction of a sand trap inside the inlet. Regular sand bypassing from the sand trap was been completed on a 4-5 year cycle with placement of sand on the beaches of Jupiter Island south of the inlet. Deepening of the sand trap in 2000 and emergency dredging in 2002 resulted in nearshore disposal of material. The sand trap was last dredged in 2007 with material placed on Jupiter Island. The last sand bypassing event was completed in 2012. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Reimbursement for construction cost overruns of the 2012 bypassing event.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$1,556,250	<u>LOCAL</u>	\$518,750	<u>TOTAL</u>	\$2,075,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Lake Worth Inlet IMP Implementation - Federal Bypassing

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

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.

Lake Worth Inlet is a federally authorized and maintained inlet. A sand transfer plant was constructed on the north jetty in 1958 but was not operational between May 1990 and May 1996. Phase I re-construction of the STP was completed in 2010. Phase II construction is scheduled for FY2014/2015 and will include installation of a booster pump and extension of the discharge pipe. Mitigation will be required for extension of the discharge pipe. Federal bypassing scheduled for FY2012-2013 will be conducted by the USACE with beach placement of compatible material. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for marine turtle monitoring for the federal bypassing project.

<u>FEDERAL</u>	\$4,000,000	<u>STATE</u>	\$24,750	<u>LOCAL</u>	\$8,250	<u>TOTAL</u>	\$4,033,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

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 sand trap was constructed in 1972 to hold approximately 200,000 cubic yards of material. A dredge materials management area (DMMA) was designed and constructed in 2011 to provide for stockpiling of beach quality sand from the interior channel dredging and sand trap for bypassing to areas south of the inlet from DEP Monuments R3 - R17 (Ambersand) in Indian River County. Phase I of the sand trap bypassing was completed in 2012 and Phase II, including an expansion of the sand trap, is planned for 2013. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Phase II construction and year one monitoring. (Partial funding for the construction task is already in contract.)

FEDERAL \$0

STATE \$603,750

LOCAL \$201,250

TOTAL \$805,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Port Canaveral IMP Implementation

LOCAL SPONSOR: Canaveral Port Authority

LOCAL CONTACT: Carol Noble

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. Federally-funded bypassing of material excavated from the 1.6 mile-long fillet updrift of the North jetty last occurred in 2010. The locally funded bypassing of sand trap dredge material was initiated in 2011. Completion of the maintenance dredging of the South Jetty Sediment Trap occurred in 2011. All bypass material is placed between R1 - R14 south of the inlet. Permitting of the next bypassing event and updates to the IMP are ongoing. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Feasibility (update of the IMP) and Design (permit renewal and coordination).

FEDERAL \$0

STATE \$88,500

LOCAL \$29,500

TOTAL \$118,000

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

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Justin McBride

PHONE: (239) 533-8130

PROJECT DESCRIPTION:

Bypassing of material from Blind Pass between DEP Monuments R109 - R118 in Lee County. Channel was restored in 2009 and supplemental dredging was required in 2012, due to shoaling immediately following channel restoration. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for reimbursement for the construction of the 2012 dredging and first year monitoring.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$1,211,250	<u>LOCAL</u>	\$403,750	<u>TOTAL</u>	\$1,615,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
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NAME OF PROJECT: St. Andrews IMP Implementation

LOCAL SPONSOR: FDEP, Division of Recreation and Parks

LOCAL CONTACT: Sri Tammisetti, P.E.

PHONE: (850) 245-3110

PROJECT DESCRIPTION:

Stabilization of the inlet shoreline along the western side of St. Andrews Inlet in Bay County. Design efforts will include extension of the permit for four offshore breakwaters designed to protect Gator Lake in St. Andrews State Park, to increase the volume of sand being bypassed to the downdrift beaches of Panama City Beach (Bay County Shore Protection Project). Construction is scheduled for FY2013/14. Staff has determined that 100% of the project is eligible for state funding.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$2,305,000

LOCAL \$0

TOTAL \$2,305,000

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

LOCAL SPONSOR:

West Coast Inland Navigation District, Manatee County and the Town of Longboat Key

LOCAL CONTACT:

Chuck Listowski, West Coast Inland Navigation District
Charles Hunsicker, Manatee County
Juan Florensa, Town of Longboat Key

PHONE:

(941) 485-9402
(941) 745-3727
(941) 316-1988

PROJECT DESCRIPTION:

In 2008, the Department approved an updated Inlet Management Plan for Longboat Pass, in Manatee County. The plan recommends:

- Construction of a sediment trap.
- Continued maintenance dredging of the flood shoal in order to conserve beach quality sand.
- Improve inlet sand bypassing to replicate the natural flow of sand interrupted by Longboat Pass.
- Construction of a terminal structure and other stabilizing structures at the North End of the Island

A subsequent inlet management study was completed in 2011. The study recommended extension of the terminal structure on Anna Maria Island, the construction of a terminal structure at the North End of Longboat Key along with other stabilizing structures at North Shore Road, realignment of the navigation channel closer to the federally-authorized channel, and dredging of Cut M5 within the interior of the inlet.

Design for sand trap bypassing is nearing completion and is scheduled for FY2012/13. Design for the navigation channel dredging and bypassing is ongoing. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for reimbursement of the latest Inlet Management Plan Study (feasibility), design and construction of flood shoal sand trap, and design of the navigation channel bypassing.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$1,614,866	<u>LOCAL</u>	\$538,289	<u>TOTAL</u>	\$2,153,154
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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) 462-1710

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.

Ft. Pierce Inlet is a federally maintained inlet. A feasibility study has been completed and design of the sand trap is ongoing. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design (bid document preparation).

FEDERAL \$0

STATE \$37,500

LOCAL \$12,500

TOTAL \$50,000

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

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Leanne Welch

PHONE: (561) 233-2434

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 include:

- 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.

Restoration of the Ocean Ridge segment immediately downdrift of the inlet was completed in 1998. Expansion of the inlet sand trap was completed in 2002. The sand transfer plant was damaged in 2004 and repaired. Reconstruction and remodeling of the sand transfer plant was completed in 2011. Future work includes design to improve bypassing with the expansion/deepening of the sand trap and the design and construction of a submerged aquatic vegetation mitigation area in FY2013/14. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Design of the next bypassing event and the sand trap expansion.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$112,500	<u>LOCAL</u>	\$37,500	<u>TOTAL</u>	\$150,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Ft. Clinch Inlet Sand Management

LOCAL SPONSOR: FDEP, Division of Recreation and Parks

LOCAL CONTACT: Sri Tamisetti

PHONE: (850) 245-3104

PROJECT DESCRIPTION:

In 1998, the Department adopted the St. Mary's Inlet Management Plan which includes measures to mitigate the impacts of the St. Mary's River Entrance. The area of inlet influence encompasses the entire Atlantic shoreline of Amelia Island. Plan recommendations include:

- Bypassing beach compatible dredge material to downdrift beaches.
- Restoration of downdrift beaches as mitigation for inlet impacts.
- Measures to protect Fort Clinch.
- Evaluation of alternatives to facilitate bypassing.
- Implementation of a comprehensive beach and offshore monitoring program.

St. Mary's Inlet is a federally maintained inlet. The project consists of feasibility level study to address alternatives for improved sand bypassing of disposal material from federal dredging of the inlet and potential modifications to the T-head groin field around Fort Clinch. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for feasibility.

FEDERAL \$0

STATE \$100,000

LOCAL \$0

TOTAL \$100,000

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:

Bypassing of sand via truck haul from the beach updrift of Mexico Beach Inlet to the downdrift side of the inlet between DEP monuments R132 - R138 in Bay County, Florida. Although a bypassing pipeline system is in place, the system only allows for bypassing of approximately 50% of the recommended bypass quantity. The addition of the truck haul will allow for bypassing of nearly 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 design construction, first year monitoring of a truck haul project and reimbursement for 2012 pipeline sand transfer monitoring.

FEDERAL \$0

STATE \$179,250

LOCAL \$59,750

TOTAL \$239,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Venice Inlet IMP Implementation

LOCAL SPONSOR: West Coast Inland Navigation District

LOCAL CONTACT: Chuck Listowski

PHONE: (941) 485-9402

PROJECT DESCRIPTION:

Dredging of the flood shoal to create a sand trap and nourish adjacent shoreline between DEP Monuments R115.5 - R117 in Sarasota County. The Venice Inlet Management Plan was adopted in 1998. Plan recommendations include:

- Place all beach compatible maintenance dredged material on the downdrift beaches in areas of greatest need;
- supplement dredged material with sand from offshore borrow areas;
- the combined bypassing total from all sources shall equal or exceed 64,620 cubic yards on an average annual basis.

Construction of flood shoal sand traps is scheduled for FY2013/14.

FUNDS REQUESTED:

Funds will be used for construction of the flood shoal sand trap.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$277,500	<u>LOCAL</u>	\$92,500	<u>TOTAL</u>	\$436,000
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2013/2014 Local Government Funding Requests

NAME OF PROJECT: Boca Raton IMP Implementation

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: (561) 416-3397

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 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 2004. In 2008, the wooden crib structure of the north jetty was rehabilitated with quarried rock. Bypassing activities occur annually. 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.

<u>FEDERAL</u>	\$0	<u>STATE</u>	\$360,450	<u>LOCAL</u>	\$120,150	<u>TOTAL</u>	\$480,600
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