

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Water Resource Management

Bureau of Beaches and Coastal Systems

Beach Management Funding Assistance Program

January 5, 2011

**Fixed Capital Outlay
Local Government Funding Requests
For
FY 2011/2012**



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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INTRODUCTION

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

Florida's beach management program, pursuant to Chapter 161, Florida Statutes (F.S.), the "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 398.6 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, \$489.78 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 218 miles, or about 55%, of the state's critically eroded beaches.

The funding requests for FY 2011/2012 consist of eighty-one different projects, which total over \$101 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 procedures outlined in Sections 161.101 and 161.143, F. S. and Chapter 62B-36, Florida Administrative Code. Projects have been evaluated by DEP, based on consistency with the SBMP, permitting status, readiness to proceed with the proposed funding phase, and the appropriateness of the amount of funding requested.

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BEACH RESTORATION AND NOURISHMENT PROJECTS

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

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

The funding requests for sixty-eight Beach Restoration and Nourishment Projects ("Beach Projects") for FY 2011/2012 total over \$82 million. Projects have been evaluated by DEP and ranked in priority order. The descriptions of the proposed projects are based primarily on information provided by local governments. Funding eligibility and state cost share are calculated individually for each project based on the public access, as defined by program rule. Projects are presented in the following order:

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

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

- Should funds be made available to the feasibility and design category, at least fifty percent (50%) of the funds appropriated will be made available for inlet management projects which involve the study, design or development of an inlet management project; and,
- In the event the local government indicates that funds cannot be utilized or obligated during FY 2011/2012 for beach restoration and nourishment projects, the Department will apply those funds to inlet management projects in accordance with Section 161.143(5)(c), F.S.

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

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BEACH RESTORATION AND NOURISHMENT PROJECTS

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Post Construction Monitoring ⁽¹⁾	Numerous Local Sponsors	Monitoring	\$283,594	\$1,972,356	\$2,619,256	\$4,875,206	\$1,972,356
Dade County Beach Nourishment	Miami-Dade County	Construction	\$3,500,000	\$1,737,050	\$1,762,950	\$7,000,000	\$3,709,406
Long Key Beach Nourishment (Upham Beach)	Pinellas County	Feasibility, Design	\$210,000	\$135,000	\$135,000	\$480,000	\$3,844,406
Anna Maria Island Beach Nourishment	Manatee County	Design, Construction	\$1,036,000	\$909,416	\$6,409,416	\$8,354,832	\$4,753,822
Martin County Shore Protection Project	Martin County	Construction	\$3,261,300	\$2,957,258	\$1,381,442	\$7,600,000	\$7,711,080
Captiva/Sanibel Island Beach Nourishment	Captiva EPD	Design	\$0	\$100,660	\$223,527	\$324,187	\$7,811,740
Treasure Island Beach Nourishment	Pinellas County	Feasibility (federal)	\$240,000	\$80,000	\$80,000	\$400,000	\$7,891,740
Venice Beach Nourishment ⁽²⁾	City of Venice	Design	\$530,660	\$78,493	\$89,084	\$698,237	\$7,970,233
Lovers Key Beach Nourishment	Lee County	Design, Construction	\$0	\$3,246,049	\$586,000	\$3,832,049	\$11,216,282
Lido Key Beach Nourishment ⁽³⁾	City of Sarasota	Design	\$310,000	\$95,000	\$95,000	\$500,000	\$11,311,282
Ft. Pierce Shore Protection Project	St. Lucie County	Construction	\$5,000,000	\$890,000	\$890,000	\$6,780,000	\$12,201,282

- (1) Environmental and physical post-construction monitoring required by state and federal permits after the first year of monitoring. First-year monitoring has been included with construction funds. A total of 27 previously constructed projects require monitoring activities for FY 2011/12. A complete monitoring project listing can be found on page 14.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries.
- (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, Florida Statutes.

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Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Delray Beach Nourishment	City of Delray Beach	Construction	\$5,409,932	\$2,279,537	\$2,279,537	\$9,969,006	\$14,480,819
St. Johns County Shore Protection Project	St. Johns County	Construction	\$7,000,000	\$1,034,760	\$1,588,870	\$9,623,630	\$15,515,579
St. Joseph Peninsula Beach Nourishment ⁽³⁾	Gulf County	Design	\$700,000	\$35,490	\$64,510	\$800,000	\$15,551,069
Ocean Ridge Beach Nourishment	Palm Beach County	Design	\$269,000	\$115,500	\$115,500	\$500,000	\$15,666,569
Smathers Beach Nourishment	City of Key West	Design, Construction	\$0	\$412,500	\$412,500	\$825,000	\$16,079,069
Pensacola Beach Nourishment ⁽³⁾	Santa Rosa Island Authority	Design, Construction	\$8,925,000	\$857,250	\$857,250	\$10,639,500	\$16,936,319
Jupiter/Carlin Shore Protection Project	Palm Beach County	Design, Construction	\$4,818,310	\$1,994,345	\$1,994,345	\$8,807,000	\$18,930,664
Honeymoon Island Beach Restoration	Pinellas County and FDEP-Parks	Construction	\$0	\$4,330,313	\$1,443,438	\$5,773,751	\$23,260,977
Navarre Beach Nourishment ⁽³⁾	Santa Rosa County	Design, Construction	\$221,548	\$314,052	\$337,103	\$872,703	\$23,575,029
Ft. Walton Beach/Okaloosa Island Restoration	Okaloosa County	Construction	\$0	\$897,822	\$897,822	\$1,795,644	\$24,472,851
Jupiter Island Beach Nourishment ⁽³⁾	Town of Jupiter Island	Design, Construction	\$2,300,000	\$1,392,258	\$9,163,145	\$12,855,403	\$25,865,109

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BEACH RESTORATION AND NOURISHMENT PROJECTS (continued)

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Collier County Beach Nourishment ⁽³⁾	Collier County	Design	\$258,750	\$27,807	\$58,443	\$345,000	\$25,892,916
South St. Lucie County Beach Restoration ⁽⁴⁾	St. Lucie County	Feasibility (federal), Construction	\$0	\$9,429,265	\$4,870,735	\$14,300,000	\$35,322,181
Jupiter Beach Erosion Control Project	Palm Beach County	Design, Construction	\$0	\$250,000	\$250,000	\$500,000	\$35,572,181
South Amelia Island Beach Nourishment	SAISSA & FDEP-Parks	Design, Construction	\$0	\$6,776,558	\$10,508,375	\$17,284,933	\$42,348,739
Brevard County Beach Restoration, Mid Reach	Brevard County	Design	\$0	\$218,862	\$321,138	\$540,000	\$42,567,601
Western Destin Beach Restoration	Okaloosa County	Construction	\$0	\$1,646,400	\$4,353,600	\$6,000,000	\$44,214,001
Wabasso Beach Restoration	Indian River County	Design, Construction	\$0	\$6,375,000	\$6,375,000	\$12,750,000	\$50,589,001
Longboat Key Beach Nourishment	Town of Longboat Key	Design, Construction	\$0	\$6,785,722	\$28,489,278	\$35,275,000	\$57,374,723
Ft. Zachary Taylor Beach Restoration	FDEP-Parks	Design, Construction	\$0	\$783,000	\$0	\$783,000	\$58,157,723
Hillsboro Beach Nourishment ⁽³⁾	Town of Hillsboro Beach	Design, Construction	\$1,727,120	\$1,462,393	\$3,953,879	\$7,143,392	\$59,620,116
Perdido Key Beach Restoration	Escambia County	Construction	\$0	\$5,249,896	\$9,497,004	\$14,746,900	\$64,870,012

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- (2) Project proposes an offshore borrow source located outside of the subregion boundaries.
- (3) Federal funding is provided by FEMA for storm recovery nourishment.
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Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Central Boca Raton Beach Nourishment	City of Boca Raton	Design	\$0	\$83,200	\$116,800	\$200,000	\$64,953,212
Hollywood Beach Nourishment	City of Hollywood	Design, Construction	\$0	\$3,449,275	\$1,265,258	\$4,714,533	\$68,402,487
Key Biscayne Beach Nourishment	Town of Key Biscayne	Design, Construction	\$0	\$1,427,533	\$1,485,800	\$2,913,333	\$69,830,020
Rest Beach Nourishment	City of Key West	Construction	\$0	\$325,000	\$325,000	\$650,000	\$70,155,020
Midtown Beach Nourishment	Town of Palm Beach	Design	\$0	\$162,690	\$286,979	\$449,669	\$70,317,710
Hallandale Beach Nourishment	City of Hallandale	Design, Construction	\$0	\$2,909,103	\$1,076,630	\$3,985,733	\$73,226,813
Bonita Beach Nourishment	Lee County	Design	\$0	\$135,640	\$264,360	\$400,000	\$73,362,453
Phipps Ocean Park Beach Nourishment	Town of Palm Beach	Design	\$0	\$255,252	\$498,371	\$753,623	\$73,617,705
Marco Island Beach Nourishment ⁽³⁾	Collier County	Design	\$75,000	\$5,220	\$19,780	\$100,000	\$73,622,925
Knight/Don Pedro Island Beach Nourishment ⁽³⁾	Charlotte County	Feasibility, Design, Construction	\$2,474,100	\$1,454,271	\$1,780,319	\$5,708,690	\$75,077,196

- (1) Environmental and physical post-construction monitoring required by state and federal permits after the first year of monitoring. First-year monitoring has been included with construction funds. A total of 27 previously constructed projects require monitoring activities for FY 2011/12. A complete monitoring project listing can be found on page 14.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries.
- (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, Florida Statutes.

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Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
Long Key State Park Beach Restoration	FDEP- Parks	Design, Construction	\$0	\$2,620,000	\$0	\$2,620,000	\$77,697,196
South Boca Raton Beach Nourishment	City of Boca Raton	Design	\$0	\$76,773	\$80,227	\$157,000	\$77,773,969
Singer Island Shore Protection	Palm Beach County	Construction	\$0	\$2,647,830	\$3,980,859	\$6,628,689	\$80,421,799
South End Palm Beach Restoration	Town of Palm Beach	Design	\$0	\$118,436	\$461,564	\$580,000	\$80,540,235
Sailfish Point Nourishment	Martin County	Design	\$0	\$31,500	\$108,500	\$140,000	\$80,571,735
New Projects - Feasibility/Design	Numerous Local Sponsors	Feasibility, Design	\$2,613,000	\$1,725,900	\$1,500,900	\$5,839,800	\$82,297,635
Regional Monitoring	FDEP	Monitoring	\$0	\$230,000	\$0	\$230,000	\$82,527,635
TOTAL			\$51,163,314	\$82,527,635	\$115,354,494	\$249,045,443	

- (1) Environmental and physical post-construction monitoring required by state and federal permits after the first year of monitoring. First-year monitoring has been included with construction funds. A total of 27 previously constructed projects require monitoring activities for FY 2011/12. A complete monitoring project listing can be found on page 14.
- (2) Project proposes an offshore borrow source located outside of the subregion boundaries.
- (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, Florida Statutes.

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INLET SAND BYPASSING/ INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS

The DEP, in partnership with Local Sponsors, has historically sponsored inlet management activities since much of the erosion of Florida's coastline can be attributed to the erosive impacts of inlets. Inlet management activities were conducted under the provisions of Section 161.161, 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 2011/2012, funding requests for thirteen Inlet Sand Bypassing/Inlet Management Plan Implementation Projects ("Inlet Projects") are included in the Beach Management Funding Assistance Program. These projects total over \$18 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 created Section 161.143, F.S., in 2008 to strengthen the DEP's commitment to managing sediment around inlets. This section directs 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:

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

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

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INLET SAND BYPASSING/ INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total Funds	Cumulative State Total
Inlet Management (Sediment Budget Analysis) ⁽¹⁾	FDEP	Feasibility	\$0	\$400,000	\$0	\$400,000	\$400,000
St. Lucie IMP Implementation	Martin County	Design, Monitoring	\$1,875,000	\$1,005,000	\$335,000	\$3,215,000	\$1,405,000
Port Canaveral IMP Implementation	Canaveral Port Authority	Monitoring	\$150,000	\$1,647,675	\$549,225	\$2,346,900	\$3,052,675
Sebastian IMP Implementation	Sebastian Inlet District	Construction	\$0	\$4,500,000	\$1,500,000	\$6,000,000	\$7,552,675
Ft. Pierce IMP Implementation	St. Lucie County	Design	\$0	\$150,000	\$50,000	\$200,000	\$7,702,675
Lake Worth IMP Implementation	Palm Beach County	Feasibility, Construction, Monitoring	\$4,000,000	\$2,673,000	\$891,000	\$7,564,000	\$10,375,675
South Lake Worth IMP Implementation	Town of Palm Beach	Monitoring	\$0	\$78,000	\$26,000	\$104,000	\$10,453,675
St. Mary's Inlet Sand Transfer	DEP- Parks	Design, Monitoring	\$0	\$18,000	\$0	\$18,000	\$10,471,675
Jupiter IMP Implementation	Jupiter Inlet District	Design, Construction, Monitoring	\$0	\$755,920	\$251,974	\$1,007,894	\$11,227,595
Boca Raton IMP Implementation	City of Boca Raton	Construction, Monitoring	\$0	\$385,350	\$128,450	\$513,800	\$11,612,945
St. Andrews IMP Implementation	DEP- Parks	Construction	\$0	\$2,065,000	\$0	\$2,065,000	\$13,677,945

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

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INLET SAND BYPASSING/ INLET MANAGEMENT PLAN IMPLEMENTATION PROJECTS (continued)

Project Name	Local Sponsor	Project Phase	Federal	State	Local	Total Funds	Cumulative State Total
Ponce de Leon IMP Implementation	Volusia County	Construction	\$8,400,000	\$4,800,000	\$1,600,000	\$14,800,000	\$18,477,945
Mexico Beach IMP Implementation	City of Mexico Beach	Design, Construction, Monitoring	\$0	\$164,250	\$54,750	\$219,000	\$18,642,195
TOTAL			\$14,425,000	\$18,642,195	\$5,386,399	\$38,453,594	

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

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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. FY 2009/2010 "credits" or funding shortfalls derived from the pro-ration of the post-construction monitoring list have been added to the FY2011-2012 list.

	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>	<u>TOTAL</u>
Dade County Beach Nourishment	\$0	\$248,150	\$251,850	\$500,000
Brevard County Beach Nourishment, North/South	\$0	\$80,988	\$89,012	\$170,000
Long Key Beach Nourishment (Upham Beach)	\$0	\$30,000	\$30,000	\$60,000
Anna Maria Island Beach Nourishment	\$0	\$28,778	\$28,778	\$57,556
Bay County Beach Nourishment	\$0	\$78,238	\$196,763	\$275,001
Sand Key Beach Nourishment	\$0	\$30,000	\$30,000	\$60,000
Treasure Island Beach Nourishment	\$0	\$35,000	\$35,000	\$70,000
Venice Beach Nourishment	\$45,000	\$93,693	\$106,335	\$245,028
Lido Key Beach Nourishment	\$124,000	\$38,000	\$38,000	\$200,000
North Boca Raton Beach Nourishment	\$0	\$99,500	\$99,500	\$199,000
Estero Island Beach Restoration	\$0	\$22,500	\$22,500	\$45,000
Ft. Pierce Shore Protection Project	\$0	\$175,000	\$175,000	\$350,000
St. Joseph Peninsula Beach Nourishment	\$0	\$97,598	\$117,403	\$215,001
Blind Pass Eco-zone Restoration & Bypassing	\$0	\$23,288	\$51,713	\$75,001
Bathtub Beach Restoration	\$0	\$87,500	\$87,500	\$175,000
Ocean Ridge Beach Nourishment	\$114,594	\$49,203	\$49,203	\$213,000
Pensacola Beach Nourishment	\$0	\$60,000	\$60,000	\$120,000
Navarre Beach Nourishment	\$0	\$29,661	\$31,839	\$61,500
Collier County Beach Nourishment	\$0	\$91,389	\$192,075	\$283,464
Gasparilla Island Beach Restoration	\$0	\$13,437	\$16,563	\$30,000
Longboat Key Beach Nourishment	\$0	\$75,435	\$255,565	\$331,000
Destin/Walton Beach Restoration (Walton)	\$0	\$40,755	\$109,245	\$150,000
Juno Beach Nourishment	\$0	\$150,000	\$150,000	\$300,000
South Siesta Key Beach Restoration	\$0	\$22,969	\$37,684	\$60,653
Marco Island Beach Nourishment	\$0	\$15,985	\$60,570	\$76,555
Knight/Don Pedro Island Beach Nourishment	\$0	\$171,499	\$209,948	\$381,447
South Boca Raton Beach Nourishment	\$0	\$83,790	\$87,210	\$171,000
	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>	<u>TOTAL</u>
	\$283,594	\$1,972,356	\$2,619,256	\$4,875,206

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Dade County Beach Nourishment

LOCAL SPONSOR: Miami-Dade County

LOCAL CONTACT: Brian Flynn

PHONE: (305) 372-6850

PROJECT DESCRIPTION:

Nourishment of approximately 13 miles of shoreline between DEP Monuments R6 - R74 in Dade County. The federal Dade County Shore Protection Project was constructed in segments beginning in 1977. Nourishment of individual segments is conducted via truck hauls, as needed based upon project performance monitoring. Construction of a federal nourishment placing 800,000 cubic yards on the Miami Beach portion of this project is anticipated for FY2010/11. Staff has determined that 99.26% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$3,500,000

STATE \$1,737,050

LOCAL \$1,762,950

TOTAL \$7,000,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Long Key Beach Nourishment (Upham Beach)

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: Andrew Squires

PHONE: (727) 464-4633

PROJECT DESCRIPTION:

Design of permanent rock structures to stabilize approximately 0.8 mile 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 2010. A federal feasibility study to determine the amount of federal participation in the construction of permanent structures is scheduled for FY2011/12. Design of permanent rock structures to replace the geotextile groins is ongoing. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for feasibility and design (permanent structures).

FEDERAL \$210,000

STATE \$135,000

LOCAL \$135,000

TOTAL \$480,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Anna Maria Island Beach Nourishment

LOCAL SPONSOR: Manatee County

LOCAL CONTACT: Charles Hunsicker

PHONE: (941) 742-5980

PROJECT DESCRIPTION:

Nourishment of approximately 7.3 miles of 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) of the project is scheduled for 2011. Nourishment of the entire project is scheduled for 2014. Local share of funding represents a maximum of \$5,500,000 to be provided by the Port Dolphin LNG Pipeline. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design and construction.

FEDERAL \$1,036,000

STATE \$909,416

LOCAL \$6,409,416

TOTAL \$8,354,252

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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 as a regionalized project with the South St. Lucie County Beach Restoration Project. Staff has determined that 90.87% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$3,261,300

STATE \$2,957,258

LOCAL \$1,381,442

TOTAL \$7,600,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Captiva/Sanibel Island Beach Nourishment

LOCAL SPONSOR: Captiva Erosion Prevention District

LOCAL CONTACT: Kathleen Rooker

PHONE: (239) 472-2472

PROJECT DESCRIPTION:

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

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$100,660

LOCAL \$223,527

TOTAL \$324,187

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Treasure Island Beach Nourishment

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: Andrew Squires

PHONE: (727) 464-4633

PROJECT DESCRIPTION:

Nourishment of approximately 1.4 miles of shoreline between DEP Monuments R126 - R128.2 and R136 - R141.4 in Pinellas County. The federal project was initially constructed in 1969. Nourishment has occurred every three to five years to address localized erosion at the north and south ends of the island. The south end of Treasure Island was 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. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for feasibility (federal reauthorization).

FEDERAL \$240,000

STATE \$80,000

LOCAL \$80,000

TOTAL \$400,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Venice Beach Nourishment

LOCAL SPONSOR: City of Venice

LOCAL CONTACT: Kathleen Weeden

PHONE: (941) 486-2626

PROJECT DESCRIPTION:

Nourishment of approximately 3.3 miles of 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. A federal sand search for future nourishment is underway with nourishment scheduled for 2014. Staff has determined that 93.68% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$530,660

STATE \$78,493

LOCAL \$89,084

TOTAL \$698,237

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Lovers Key Beach Nourishment

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Robert Neal

PHONE: (239) 479-8566

PROJECT DESCRIPTION:

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

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$3,246,049

LOCAL \$540,951

TOTAL \$3,787,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Lido Key Beach Nourishment

LOCAL SPONSOR: City of Sarasota

LOCAL CONTACT: Alexandria DavisShaw

PHONE: (941) 954-4180

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 constructed in 2000-01. The first nourishment was conducted in 2003. Hurricane recovery nourishment of the project was completed in 2009 with funding from FEMA. The regularly scheduled federal nourishment is scheduled for FY2012/13. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$310,000

STATE \$95,000

LOCAL \$95,000

TOTAL \$500,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Ft. Pierce Shore Protection Project

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1707

PROJECT DESCRIPTION:

Nourishment of approximately 1.3 miles of 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 and 2009. Construction of the next nourishment is planned for FY2011/12. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$5,000,000

STATE \$890,000

LOCAL \$890,000

TOTAL \$6,780,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Delray Beach Nourishment

LOCAL SPONSOR: City of Delray Beach

LOCAL CONTACT: Paul Dorling

PHONE: (561) 243-7321

PROJECT DESCRIPTION:

Nourishment of 2.7 miles of shoreline between DEP Monuments R175 – R188 in Palm Beach County. The federal project was initially constructed in 1973 with nourishment in 1978, 1984, 1992, 2002 and 2005. The next nourishment event is scheduled for FY 2011/12. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$5,409,932

STATE \$2,279,537

LOCAL \$2,279,537

TOTAL \$9,969,006

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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 Island State Recreation Area. 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 is scheduled for FY 2011/12. Staff has determined that 78.87% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$7,000,000

STATE \$1,034,760

LOCAL \$1,588,870

TOTAL \$9,623,630

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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. Monitoring is underway. 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 75% FEMA storm recovery funds and 12.5 % from the Florida Division of Emergency Management. Construction is scheduled for FY2012/13. Staff has determined that 70.97% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$700,000

STATE \$35,490

LOCAL \$64,510

TOTAL \$800,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Ocean Ridge Beach Nourishment

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Tracy Logue

PHONE: (561) 231-2491

PROJECT DESCRIPTION:

Nourishment of 1.4 miles of 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. Construction of a 2.25 acre mitigation reef is in progress and monitoring is ongoing. Design funding will be used to complete a federal Limited Re-evaluation Report (LRR) for future nourishments. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (LRR).

FEDERAL \$269,000

STATE \$115,500

LOCAL \$115,500

TOTAL \$500,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Smathers Beach Nourishment

LOCAL SPONSOR: City of Key West

LOCAL CONTACT: Janet Muccino

PHONE: (305) 809-3867

PROJECT DESCRIPTION:

Nourishment of 1 mile of shoreline in the City of Key West in Monroe County. Smathers Beach was restored in 2001 using an upland sand source. A dune restoration project was conducted in 2009 using FEMA hurricane recovery funds. Nourishment via truck haul was conducted in 2010. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$412,500

LOCAL \$412,500

TOTAL \$825,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Pensacola Beach Nourishment

LOCAL SPONSOR: Santa Rosa Island Authority

LOCAL CONTACT: Sue Smith

PHONE: (850) 932-2257

PROJECT DESCRIPTION:

Nourishment of approximately 8.2 miles of shoreline between DEP Monuments R107 - R151 in Escambia County. The project was first restored in 2003 and nourished in 2005/06. The current project consists of construction of a FEMA storm recovery nourishment to repair damages sustained during Tropical Storm Gustav. Construction is scheduled for FY2011/12. The federal share listed below includes 12.5 % of the cost of construction that will be paid by the State of Florida through the Division of Emergency Management. Design of the next full nourishment is ongoing. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (full nourishment), construction (post-Gustav repair) and first year monitoring.

FEDERAL \$8,925,000

STATE \$857,250

LOCAL \$857,250

TOTAL \$10,639,500

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Jupiter/Carlin Shore Protection Project

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Kimberly Miranda

PHONE: (561) 233-2465

PROJECT DESCRIPTION:

Nourishment of approximately 1.1 miles of shoreline between DEP Monuments R13 - R19 in Palm Beach County. The federally authorized project was initially constructed in 1995 with nourishment in 2002. The project receives nourishment through the bypassing of maintenance material from Jupiter Inlet. Design is in progress for the FY2011/12 scheduled nourishment. A federal Section 934 Report is required in order to be eligible for continued federal cost sharing. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$4,818,310

STATE \$1,994,345

LOCAL \$1,994,345

TOTAL \$8,807,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Honeymoon Island Beach Restoration

LOCAL SPONSOR: Pinellas County and FDEP, Division of Recreation and Parks

LOCAL CONTACT: Andrew Squires, Jeff Raley

PHONE: (727) 464-4633, (850) 245-3104

PROJECT DESCRIPTION:

Restoration of approximately 1.4 miles of shoreline between DEP Monuments R6 - R12 in Pinellas County. Phase I of the restoration project was completed in 2008, with the placement of fill and installation of one T-head groin. Design of one additional structure and nourishment, and sand source investigations for Phase II are underway with construction scheduled for 2011. Pinellas County is providing partial funding in support of the project. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$4,330,313

LOCAL \$1,443,438

TOTAL \$5,773,751

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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. A portion of the project, between approximately R192 - R194, was severely eroded during the 2008 storm season. As a result, FEMA approved a small truck haul project (12,000 cy) which was conducted in 2010. FEMA funds listed below include 12.5 % of the cost of construction that will come from the State of Florida through the Division of Emergency Management. The first nourishment of the entire project length 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 design (sand search) and reimbursement for design, construction and first year monitoring of the truck haul.

FEDERAL \$221,548

STATE \$314,052

LOCAL \$337,103

TOTAL \$872,703

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Ft. Walton Beach/Okaloosa Island Restoration

LOCAL SPONSOR: Okaloosa County

LOCAL CONTACT: Jim Trifilio

PHONE: (850) 609-5382

PROJECT DESCRIPTION:

Restoration of approximately 2.8 miles of shoreline between DEP Monuments R1 - R15 in Okaloosa County. Previous appropriations for construction, totaling \$6,298,507, have already been contracted. Construction is scheduled for 2011. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$897,822

LOCAL \$897,822

TOTAL \$1,795,644

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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. The project was restored in 1973 and segments were nourished on a 4-5 year cycle. The last nourishment was completed in 2007. The next nourishment is scheduled for 2011, partially using FEMA funds due to storm-related damages. Staff has determined that 26.38% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$2,300,000

STATE \$1,392,258

LOCAL \$9,163,145

TOTAL \$12,855,403

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Collier County Beach Nourishment

LOCAL SPONSOR: Collier County

LOCAL CONTACT: Gary McAlpin

PHONE: (239) 530-5342

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. The project areas for each of the segments have been expanded from the original project that was constructed in 1996. Nourishment was completed in 2006 for all three segments. Design for the FY2012/13 nourishment is proposed and includes FEMA storm recovery funds from damage incurred during Tropical Storm Fay. 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.

FEDERAL \$258,750

STATE \$27,807

LOCAL \$58,443

TOTAL \$345,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: South St. Lucie County Beach Restoration

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1707

PROJECT DESCRIPTION:

Restoration of 3.6 miles of shoreline between DEP Monuments R80 - R90.3 and R98 - R115 in St. Lucie County. In 2004, a federal feasibility study was initiated. Requested funds will be used for design of a locally funded restoration project in the interim, scheduled to be constructed as a regionalized project with the Martin County Shore Protection Project. Staff has determined that 88.22% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$9,429,265

LOCAL \$4,870,735

TOTAL \$14,300,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Jupiter Beach Erosion Control Project

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Kimberly Miranda

PHONE: (561) 233-2465

PROJECT DESCRIPTION:

Construction of erosion control structures along 0.6 mile of shoreline between DEP monuments R12.5 – R16.5 in Palm Beach County. The dune was restored in 1995 immediately south of Jupiter Inlet as part of the Jupiter/Carlin Park Beach Nourishment Project. Dunes are nourished periodically as needed. A feasibility study is in progress to assess the use of erosion control structures in this segment. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction (dune).

FEDERAL \$0

STATE \$250,000

LOCAL \$250,000

TOTAL \$500,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: South Amelia Island Beach Nourishment

LOCAL SPONSOR: South Amelia Island Shore Stabilization Association & FDEP, Division of Rec. and Parks

LOCAL CONTACT: Bill Moore & Jeff Raley

PHONE: (850) 245-3104 & (904) 277-5103

PROJECT DESCRIPTION:

Nourishment of approximately 3.5 miles of shoreline between DEP Monuments R60 – R79 in Nassau County. Restoration was completed in 1994 with placement of sand dredged from the Atlantic Intracoastal Waterway following in 1997 and 2001. Nourishment was completed in 2002 with cost sharing from the South Amelia Island Shore Stabilization Association (SAISSA). Construction of a terminal groin and breakwater was completed in 2005. Nourishment is scheduled for 2011. Staff has determined that 78.41% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$6,776,558

LOCAL \$10,508,375

TOTAL \$17,284,933

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Brevard County Beach Restoration, Mid Reach

LOCAL SPONSOR: Brevard County

LOCAL CONTACT: Mike McGarry

PHONE: (321) 633-2016 ext. 52696

PROJECT DESCRIPTION:

Restoration of approximately 7.6 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 FY2012/13. Staff has determined that 81.06% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$218,862

LOCAL \$321,138

TOTAL \$540,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Western Destin Beach Restoration

LOCAL SPONSOR: Okaloosa County

LOCAL CONTACT: Jim Trifilio

PHONE: (850) 609-5382

PROJECT DESCRIPTION:

Restoration of 1.5 miles of shoreline between DEP Monuments R17 - R22.6 and R23.2- 25.5 in Okaloosa County. A Notice of Intent to Issue a Joint Coastal Permit was issued in December 2009 and petitioned by a third party. An administrative hearing has been held. The project design has been modified and construction is scheduled for 2011. Staff has determined that 54.88% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$1,646,400

LOCAL \$4,353,600

TOTAL \$6,000,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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 in Indian River County (Sector 3). Phase I construction was completed in 2010. Phase II construction is anticipated for 2010/11. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (mitigation reef) and construction and first year monitoring (Phase I reimbursement).

FEDERAL \$0

STATE \$6,375,000

LOCAL \$6,375,000

TOTAL \$12,750,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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 a groin designed to enhance the performance of the project was completed in 2010. A sand source investigation is being conducted offshore of Hillsborough, Manatee and Sarasota Counties. Emergency placement of sand on the North End is scheduled for 2011. Nourishment of the entire project is scheduled for FY2011/12. Local share of funding represents a maximum of \$5,500,000 to be provided by the Port Dolphin LNG Pipeline. Monitoring of the mitigation reef is ongoing. Staff has determined that 45.58% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (nourishment and sand search) and reimbursement for construction (emergency sand placement on the North End).

FEDERAL \$0

STATE \$6,785,722

LOCAL \$28,489,278

TOTAL \$35,275,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Ft. Zachary Taylor Beach Restoration

LOCAL SPONSOR: FDEP, Division of Recreation and Parks

LOCAL CONTACT: Jeff Raley

PHONE: (850) 245-3104

PROJECT DESCRIPTION:

Nourishment of approximately 0.3 mile of shoreline within Ft. Zachary Taylor State Park in Monroe County. In 2007, a truck haul project resulted in the placement of 3,500 cubic yards from an upland sand source. Project activities anticipated are rehabilitation of the breakwaters and design and construction of the 2011 nourishment. Staff has determined that 100% of the project is eligible for state cost share.

FUNDS REQUESTED:

Funds will be used for design, construction (breakwater repairs and nourishment), and first year monitoring.

FEDERAL \$0

STATE \$783,000

LOCAL \$0

TOTAL \$783,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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 1.4 miles of shoreline between DEP Monuments R5.4 - R12.5 in Broward County. The project was initially restored in 1972, with nourishment occurring in 1998. Nourishment is scheduled for 2011. FEMA funds, noted as Federal funds below, are available for the nourishment, as a result of damage sustained during the 2004/05 storm seasons. Staff has determined that 51.54% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$1,727,120

STATE \$1,462,393

LOCAL \$3,953,879

TOTAL \$7,143,392

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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. Construction is scheduled for 2011. Approximately \$1.3 million is currently available from a previous appropriation for construction of the project. These funds have been subtracted from the estimated cost to construct the project. Staff has determined that 71.2% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$5,249,896

LOCAL \$9,497,004

TOTAL \$14,746,900

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Central Boca Raton Beach Nourishment

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: (561) 416-3385

PROJECT DESCRIPTION:

Nourishment of 1.5 miles of shoreline between DEP monuments R216 - R222.9 in Palm Beach County. Initial restoration was completed in 2004, with nourishment in 2006 following storm impacts. The next nourishment is scheduled for FY2015/16. Staff has determined that 83.18% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$83,200

LOCAL \$116,800

TOTAL \$200,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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 mile of shoreline between DEP Monuments R107 - R109 and R119 - R123 in Broward County. This project will nourish a chronic hotspot within the boundaries of the Broward Segment III project area. The local sponsor plans to construct as a regionalized project in coordination with the City of Hallandale. 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.

FEDERAL \$0

STATE \$3,449,275

LOCAL \$1,265,258

TOTAL \$4,714,533

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Key Biscayne Beach Nourishment

LOCAL SPONSOR: Town 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. The project was initially constructed in 1987 with nourishment in 2002. Nourishment is scheduled for 2011. Staff has determined that 98% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$1,427,533

LOCAL \$1,485,800

TOTAL \$2,913,333

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Rest Beach Nourishment

LOCAL SPONSOR: City of Key West

LOCAL CONTACT: Janet Muccino

PHONE: (305) 809-3867

PROJECT DESCRIPTION:

Nourishment of 0.12 mile of shoreline located in Key West in Monroe County. Restoration was completed in 1995. Design for the next nourishment is ongoing. Construction is scheduled for FY 2012/13. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$325,000

LOCAL \$325,000

TOTAL \$650,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Midtown Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Rob Weber

PHONE: (561) 838-5440

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 (Reach 4). 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 (Reach 3 & 4). In 2006, the beach and dune were nourished using FEMA funds to offset the impacts of the 2004 storm season. In FY2010/11, FEMA recovery funds are being used for dune nourishment to offset sand losses from Tropical Storm Fay. Staff has determined that 72.36% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$162,690

LOCAL \$286,979

TOTAL \$449,669

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Hallandale Beach Nourishment

LOCAL SPONSOR: City of Hallandale

LOCAL CONTACT: Richard Labinsky

PHONE: (954) 457-3042

PROJECT DESCRIPTION:

Nourishment of 0.82 mile of shoreline between DEP Monuments R124 - R128 in Broward County. This project will nourish a chronic hotspot within the boundaries of the Broward Segment III project area. The local sponsor plans to construct as a regionalized project in coordination with the City of Hollywood. Staff has determined that 99.6% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$2,909,103

LOCAL \$1,076,630

TOTAL \$3,985,733

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Bonita Beach Nourishment

LOCAL SPONSOR: Lee County

LOCAL CONTACT: Robert Neal

PHONE: (239) 479-8566

PROJECT DESCRIPTION:

Nourishment of approximately 0.8 mile of shoreline between DEP Monuments R226 - R230 in Lee County. The project consists of the northernmost part of Little Hickory Island (Bonita Beach), just south of Big Hickory Pass. Restoration was completed in 1995 with nourishment completed in 2004. The next nourishment is scheduled for FY2012/13. Staff has determined that 67.81% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (sand search).

FEDERAL \$0

STATE \$135,640

LOCAL \$264,360

TOTAL \$200,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Phipps Ocean Park Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Rob Weber

PHONE: (561) 838-5440

PROJECT DESCRIPTION:

Nourishment of 1.4 miles of shoreline located between DEP Monuments R118 - R126 in Palm Beach County. In 2004, a 3.1 acre mitigation reef was constructed to compensate for impacts to hardbottom resources. In 2006, approximately 1.1 million cubic yards of material were placed for beach and hurricane recovery dune restoration. Nourishment is scheduled for FY2012/13. Staff has determined that 67.73% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design (structures, nourishment, and sand search).

FEDERAL \$0

STATE \$255,252

LOCAL \$498,371

TOTAL \$753,623

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Marco Island Beach Nourishment

LOCAL SPONSOR: Collier County

LOCAL CONTACT: Gary McAlpin

PHONE: (239) 530-5342

PROJECT DESCRIPTION:

Nourishment of 0.9 mile of shoreline between DEP Monuments R143-148 in Collier County. Restoration was completed in 1997 and nourishment was completed in 2007. Design for the next nourishment with a modification to the groin/breakwater system is being proposed. The design qualifies for federal FEMA storm recovery funding. Staff has determined that 41.76% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$75,000

STATE \$5,220

LOCAL \$19,780

TOTAL \$100,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Knight/Don Pedro Island Beach Nourishment

LOCAL SPONSOR: Charlotte County

LOCAL CONTACT: Dan Quick

PHONE: (941) 637-9265

PROJECT DESCRIPTION:

Nourishment of approximately 3.0 miles of shoreline between DEP Monuments R14 - R39 in Charlotte County. Restoration was completed in 2003. Due to storm impacts, the first nourishment was completed in June 2006. Nourishment using sand from Stump Pass is ongoing, including FEMA-funded erosion repair from Tropical Storm Faye in 2008. 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 (terminal structure), design, construction and first year monitoring.

FEDERAL \$2,474,100

STATE \$1,454,271

LOCAL \$1,780,319

TOTAL \$5,708,690

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Long Key State Park Beach Restoration

LOCAL SPONSOR: FDEP, Division of Recreation and Parks

LOCAL CONTACT: Jeff Raley

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 FY2011/12. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design and construction.

FEDERAL \$0

STATE \$2,620,000

LOCAL \$0

TOTAL \$2,620,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: South Boca Raton Beach Nourishment

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: (561) 416-3385

PROJECT DESCRIPTION:

Nourishment of approximately 1.0 mile of shoreline between DEP Monuments R223 - R227 in Palm Beach County. The project was initially restored in 1985 with nourishment events in 1996, 2002, and 2010. Nourishment is scheduled for FY2015/16. Staff has determined that 48.9% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$76,773

LOCAL \$80,227

TOTAL \$157,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Singer Island Shore Protection

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Mike Stahl

PHONE: (561) 233-2433

PROJECT DESCRIPTION:

Construction of submerged breakwaters and dune nourishment along 1.8 miles of shoreline between DEP Monuments R60.5 - R68 in Palm Beach County. Dune maintenance has been performed each year since 2004. A feasibility study recommended the placement of erosion control structures as an alternative to beach restoration due to the potential to impact extensive nearshore hardbottom resources. Design and permitting of the structures is in progress. Construction is scheduled for 2011. Previous appropriations totaling \$8,959,999 are currently contracted for construction. Staff has determined that 79.89% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$2,647,830

LOCAL \$3,980,859

TOTAL \$6,628,689

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: South End Palm Beach Restoration

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Rob Weber

PHONE: (561) 838-5440

PROJECT DESCRIPTION:

Restoration of approximately 2 miles of shoreline between DEP Monuments R125 - R134, excluding the City of Lake Worth Municipal Beach Pier property, in Palm Beach County. In 2006, dune restoration was completed. The previously designed beach restoration project was not constructed due to environmental concerns. A new feasibility study has been completed, recommending a smaller, truck haul restoration, utilizing an upland sand source. Previous appropriations totaling \$5,568,232 are currently contracted for construction. Staff has determined that 40.84% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for feasibility (reimbursement) and design.

FEDERAL \$0

STATE \$118,436

LOCAL \$461,564

TOTAL \$580,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Sailfish Point Nourishment

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy FitzPatrick

PHONE: (772) 288-5429

PROJECT DESCRIPTION:

Nourishment of 0.5 mile of shoreline between DEP Monuments R36 - R38.5 in Martin County. Construction is scheduled for FY2012/13. Staff has determined that 45% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design.

FEDERAL \$0

STATE \$31,500

LOCAL \$108,500

TOTAL \$140,000

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests**

NEW PROJECTS: FEASIBILITY AND DESIGN

PROJECT DESCRIPTION:

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

FUNDS REQUESTED:

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

	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>	<u>TOTAL</u>
<u>Design</u>				
Gasparilla Island State Park Shore Stabilization	\$0	\$225,000	\$0	\$225,000
Central Palm Beach County Erosion Control Project	\$0	\$250,000	\$250,000	\$500,000
Pompano Beach Dune Construction	\$0	\$15,400	\$15,400	\$30,800
SUB-TOTAL DESIGN	\$0	\$490,400	\$265,400	\$755,800
<u>Feasibility Studies</u>				
South Ponte Vedra/Vilano Beach/Summerhaven	\$1,224,000	\$612,000	\$612,000	\$2,448,000
Vero Beach Restoration	\$0	\$50,000	\$50,000	\$100,000
Broward County Beach Nourishment, Segment I	\$738,000	\$123,000	\$123,000	\$984,000
Flagler County Beach Restoration	\$651,000	\$325,500	\$325,500	\$1,302,000
Barefoot Beach Restoration	\$0	\$125,000	\$125,000	\$250,000
SUB-TOTAL FEASIBILITY	\$2,613,000	\$1,235,500	\$1,235,500	\$5,084,000
TOTAL	<u>FEDERAL</u> \$2,613,000	<u>STATE</u> \$1,725,900	<u>LOCAL</u> \$1,500,900	<u>TOTAL</u> \$5,839,800

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Regional Monitoring

LOCAL SPONSOR: FDEP

LOCAL CONTACT: Paden E. Woodruff

PHONE: (850) 922-7703

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 following:

- | | |
|--|------------------|
| • Coastal Aerial Photography (St. Johns, Flagler and Volusia Counties - 100 miles) | \$100,000 |
| • Coastal LIDAR Surveys (St. Johns, Flagler and Volusia Counties - 100 miles) | \$100,000 |
| • Statewide Coastal Oblique Aerial Photography | <u>\$ 30,000</u> |
| • TOTAL | \$230,000 |

FEDERAL \$0

STATE \$230,000

LOCAL \$0

TOTAL \$230,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Inlet Management (Sediment Budget Analysis and Inventory)

LOCAL SPONSOR: FDEP

LOCAL CONTACT: Paden E. Woodruff

PHONE: (850) 922-7703

PROJECT DESCRIPTION:

The Department, with the assistance of university based resources, shall conduct inlet management studies consistent with Section 161.142 and 161.143(4), F.S. to determine, calculate, refine and achieve general consensus regarding net annual sediment transport volumes to be used for the purpose of planning and prioritizing inlet management projects. The inlets of interest shall include Gordon Pass, Venice Inlet, Bakers-Haulover Inlet, and Jupiter Inlet. In addition, the Department, with the assistance of university based resources, shall maintain an inventory of sediment budgets and a current estimate of beach quality sand that is placed on adjacent eroding beaches for all inlets in the State of Florida in accordance with the legislative mandate in Section 161.142(2) and 161.143(4), F.S.

FUNDS REQUESTED:

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

Gordon Pass
Venice Inlet
Bakers-Haulover Inlet
Jupiter Inlet

FEDERAL \$0

STATE \$400,000

LOCAL \$0

TOTAL \$400,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: St. Lucie IMP Implementation

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy FitzPatrick

PHONE: (772) 288-5429

PROJECT DESCRIPTION:

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

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

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

FUNDS REQUESTED:

Funds will be used for design and monitoring.

FEDERAL \$1,875,000

STATE \$1,005,000

LOCAL \$335,000

TOTAL \$3,215,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 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 is scheduled for FY2011/12. All bypass material is placed between R1-R14 south of the inlet. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction and monitoring.

FEDERAL \$150,000

STATE \$1,647,675

LOCAL \$549,225

TOTAL \$2,346,900

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Sebastian IMP Implementation

LOCAL SPONSOR: Sebastian Inlet 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 dredge materials management area (DMMA) will 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 R4 - R17 in Indian River County. Construction of the DMMA with a capacity of 15,000 – 30,000 cubic yards is scheduled for 2010, for which partial state funding has already been appropriated. Requested funds will be used for dredging of the sand trap and beach placement in Sectors 1 and 2, Indian River County. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction.

FEDERAL \$0

STATE \$4,500,000

LOCAL \$1,500,000

TOTAL \$6,000,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Ft. Pierce IMP Implementation

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Richard Bouchard

PHONE: (772) 462-1707

PROJECT DESCRIPTION:

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

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

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

FUNDS REQUESTED:

Funds will be used for the design (sand trap).

FEDERAL \$0

STATE \$150,000

LOCAL \$50,000

TOTAL \$200,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Lake Worth IMP Implementation

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Rob 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. In December 2000, a sediment budget study recommended bypassing an average annual volume of 202,000 cy/yr to the downdrift beaches, via the sand transfer plant and routine maintenance dredging. In 2007, the USACE placed 200,000 cubic yards of sand from the maintenance dredging in the project area between DEP Monuments R76 - R78.5. Phase I re-construction of the STP was completed in 2010. Phase II construction is scheduled for 2012/2013 and will include installation of a booster pump and extension of the discharge pipe. Placement of federal maintenance disposal material is scheduled for FY2010/11. A feasibility study will be initiated for expansion of the sand trap in FY2010/11. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for feasibility, construction (STP- Phase I reimbursement, mitigation, and dredge disposal), and monitoring.

FEDERAL \$4,000,000

STATE \$2,673,000

LOCAL \$891,000

TOTAL \$7,564,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: South Lake Worth IMP Implementation

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Tracy Logue

PHONE: (561) 231-2491

PROJECT DESCRIPTION:

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

During FY 1997/1998, the shoreline immediately south of the inlet (Ocean Ridge) was restored to mitigate for inlet effects. In 2002, construction was completed which expanded the sand trap. During the hurricane season of 2004, the sand transfer plant was damaged and rendered inoperable. Reconstruction and remodeling of the sand transfer plant was completed in 2010. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for monitoring.

FEDERAL \$0

STATE \$78,000

LOCAL \$26,000

TOTAL \$104,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: St. Mary's Inlet Sand Transfer

LOCAL SPONSOR: FDEP, Division of Recreation and Parks

LOCAL CONTACT: Jeff Raley

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 the design of a permanent pipeline corridor for transport of slurry of dredge material to the northern section of the Nassau County Shore Protection project boundary. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design and monitoring.

FEDERAL \$0

STATE \$18,000

LOCAL \$0

TOTAL \$18,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

NAME OF PROJECT: Jupiter IMP Implementation

LOCAL SPONSOR: Jupiter Inlet District

LOCAL CONTACT: Mike Grella

PHONE: (561) 746-2223

PROJECT DESCRIPTION:

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

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

Maintenance dredging of the navigation channel and sand trap generally occurs on an annual basis with placement of suitable material on the downdrift beaches located south of the inlet. The U.S. Army Corps of Engineers periodically bypasses material from the Intracoastal Waterway during maintenance dredging events. The IMP study estimated the need to bypass 75,000 cubic yards of material annually to offset the impacts of the inlet. Design and construction of the next dredging event are scheduled for FY2011/12. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for design, construction and monitoring.

FEDERAL \$0

STATE \$755,920

LOCAL \$251,974

TOTAL \$1,007,894

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Boca Raton IMP Implementation

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PHONE: 561-416-3385

PROJECT DESCRIPTION:

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

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

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

FUNDS REQUESTED:

Funds will be used for construction and first year monitoring.

FEDERAL \$0

STATE \$385,350

LOCAL \$128,450

TOTAL \$513,800

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: St. Andrews IMP Implementation

LOCAL SPONSOR: FDEP, Division of Recreation and Parks

LOCAL CONTACT: Jeff Raley

PHONE: (850) 245-3104

PROJECT DESCRIPTION:

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

FUNDS REQUESTED:

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

FEDERAL \$0

STATE \$2,065,000

LOCAL \$0

TOTAL \$2,065,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
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NAME OF PROJECT: Ponce de Leon IMP Implementation

LOCAL SPONSOR: Ponce de Leon Port Authority

LOCAL CONTACT: Joe Nolin

PHONE: (904) 248-8072 ext. 8335

PROJECT DESCRIPTION:

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

- Bypassing beach compatible material to downdrift beaches.
- Stabilizing the inlet with structural improvements.
- Investigating the feasibility of restoring the downdrift beaches.
- Implementation of a comprehensive beach and offshore monitoring program.

Ponce de Leon Inlet is a federally maintained inlet. The area of inlet influence encompasses approximately six miles of shoreline between DEP Monuments R130 - R165. The USACE has completed a feasibility study for structural improvements to the south jetty and has initiated project design. Based on the analysis contained in the feasibility study, extension of the jetty is expected to stabilize the shoreline located immediately downdrift of the inlet. Construction is anticipated for FY2011/12. Staff has determined that 100% of the project is eligible for state cost sharing.

FUNDS REQUESTED:

Funds will be used for construction.

FEDERAL \$8,400,000

STATE \$4,800,000

LOCAL \$1,600,000

TOTAL \$14,800,000

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Beach Management Funding Assistance Program
FY 2011/2012 Local Government Funding Requests

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. 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 the design, construction and monitoring.

FEDERAL \$0

STATE \$164,250

LOCAL \$54,750

TOTAL \$219,000