

Beach Management Funding Assistance Program
Fixed Capital Outlay Local Government Funding Request
Fiscal Year 2022-2023

Office of Resilience and Coastal Protection
Florida Department of Environmental Protection

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*Florida Department of Environmental Protection
Beach Management Funding Assistance Program Fiscal Year 2022-2023 Local Government Funding Requests*



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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 storm protection. Healthy beaches protect public infrastructure and private upland development, provide critical habitat for many endangered and threatened species, and secure recreational and economic interest along the state's sandy shoreline. According to the Florida Office of Economic and Demographic Research (2015), "...the state's investment in the Beach Management Program generated a positive return on investment of 5.4... estimated using tax revenues resulting from visitor spending... A return of greater than 1 means that the tax revenue generated by tourists to the state of Florida more than covers the state's expenditure on beaches..."

The Florida Department of Environmental Protection (DEP) is charged, in Chapter 161, Florida Statutes (F.S.), with developing and implementing a comprehensive, long-range statewide beach management plan. DEP has developed, in coordination with local sponsors and the U.S. Army Corps of Engineers (USACE), a Strategic Beach Management Plan (Strategic Plan), Long Range Budget Plan, and annual inventory of beach erosion control project activities proposed for the coming fiscal year. The Strategic Plan adopts strategies for erosion control activities along critically-eroded beaches and inlets. Projects must have a clearly identifiable beach management benefit consistent with the Strategic Plan to be eligible for state funding assistance.

Florida's beach management program provides funding 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 physical and biological 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 for storm protection, recreational beach area, and habitat enhancement. Inlet management and inlet sand bypassing are also critical to account for the disruption of sand transport along the shoreline caused by the maintenance and dredging of inlets.

DEP currently designates 426.3 miles of sandy shoreline as critically eroded. Since 1998, the Florida Legislature has dedicated over \$1.1 billion of the Ecosystem Management and Restoration Trust Fund, Land Acquisition Trust Fund, and General Revenue for beach management. Of this, nearly \$109 million was appropriated specifically for hurricane recovery projects. State funds are cost-shared with local

governments on local and federally authorized projects, with each level of government contributing about one-third of the cost of the entire project. This funding has resulted in the restoration and subsequent maintenance of more than 247.6 miles, or 58 percent, of the state's critically eroded beaches.

The funding requests for Fiscal Year (FY) 2022/2023 consist of 39 different projects, which total \$58.62 million. The prioritized list of beach erosion control projects is organized in two sections: (1) Beach Restoration and Nourishment Projects (Beach Projects); and (2) Inlet Sand Bypassing/Inlet Management Plan Implementation Projects (Inlet 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 (F.A.C.), as amended in 2020. Effective July 1, 2019, Chapter 2019-122 Laws of Florida (House Bill 325), amended sections 161.101 and 161.143, F.S.; however, the amendments to Chapter 62B-36, F.A.C., did not take effect until August 26, 2020. Post-construction monitoring, as required by state and federal permits, is presented on each list as a consolidated category, pursuant to section 62B-36.003(11), F.A.C. Projects have been evaluated by DEP based on consistency with the Strategic Plan, permitting status, readiness to proceed with the proposed funding phase, and appropriateness of the amount of funding requested.

This document is organized with an overview of the beach projects, followed by a summary funding table with beach projects listed in priority order and a summary table for the post-construction monitoring of beach projects. Next, the document provides an overview of the inlet projects, followed by a summary funding table with inlet projects listed in priority order and a summary table for the post-construction monitoring of inlet projects. Lastly, project descriptions of individual beach and inlet projects are provided in the order they appeared in the funding tables. Project descriptions are not provided for the post-construction monitoring beach and inlet projects.

Beach Restoration and Nourishment Projects

DEP has developed a multi-year repair and maintenance strategy to implement the state's responsibilities for a comprehensive, long-range, statewide program of beach erosion control, including beach restoration, nourishment and storm protection. The principles of this strategy are to:

- Maximize the infusion of beach-quality sand into the coastal system;
- Implement 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 the FY 2022/2023 Beach Projects total \$50.72 million. Projects are presented in the following order:

- Beach Restoration and Nourishment Projects: a total of 20 projects requesting funds for feasibility studies, design and permitting, construction, and first year post-construction monitoring (five of these projects are also listed on the post-construction monitoring list).
- Years 2+ Post-Construction Monitoring: a combined list of 16 projects requesting funds for state and federal permit-required monitoring.

Projects have been evaluated by DEP and ranked in priority order in accordance with Chapter 62B-36, F.A.C. The descriptions of the proposed projects are based primarily on information provided by local governments. Funding eligibility and state cost share percentages are calculated individually for each project based on public access, as defined by program rule.

Beach Restoration and Nourishment Projects

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
	Post-Construction Monitoring (1)	Various	Monitoring	\$18,850.00	\$1,720,811.83	\$2,449,938.17	\$4,189,600.00	\$1,720,811.83
1	St. Johns County Shore Protection Project	St. Johns County	Design, Construction, Monitoring	\$19,149,278.00	\$2,064,153.76	\$2,674,491.24	\$23,887,923.00	\$3,784,965.59
2	Pinellas County Shore Protection Project – Long Key/Upham Beach	Pinellas County	Construction, Monitoring	\$4,744,633.00	\$1,325,000.00	\$1,325,000.00	\$7,394,633.00	\$5,109,965.59
3	Longboat Key Beach Nourishment	Town of Longboat Key	Feasibility, Construction	\$300,000.00	\$341,525.89	\$669,409.11	\$1,310,935.00	\$5,451,491.48
4	Brevard County Shore Protection Project - North and South Reaches (3)	Brevard County	Construction, Monitoring	\$12,731,197.00	\$984,401.50	\$984,401.50	\$14,700,000.00	\$6,435,892.98
5	Pinellas County Shore Protection Project – Treasure Island	Pinellas County	Construction, Monitoring	\$6,904,761.90	\$2,525,000.00	\$2,525,000.00	\$11,954,761.90	\$8,960,892.98
6	Duval County Shore Protection Project	City of Jacksonville	Feasibility, Construction	\$15,976,000.00	\$5,107,956.60	\$5,686,043.40	\$26,770,000.00	\$14,068,849.58
7	Broward County Shore Protection Project – Segment III (3)	Broward County	Design, Construction, Monitoring	\$0.00	\$3,750,625.21	\$1,781,404.32	\$5,532,029.53	\$17,819,474.79
8	North County Comprehensive Shore Protection Project – Segment II (2)	Palm Beach County	Construction	\$382,713.75	\$837,643.13	\$837,643.13	\$2,058,000.00	\$18,657,117.91
9	Navarre Beach Nourishment (2)	Santa Rosa County	Construction, Monitoring	\$3,890,093.00	\$5,994,023.00	\$5,994,023.00	\$15,878,139.00	\$24,651,140.91
10	South Ponte Vedra/Vilano Beach Restoration	St. Johns County	Design	\$116,000.00	\$98,207.20	\$185,792.80	\$400,000.00	\$24,749,348.11
11	Coral Cove Dune Nourishment	Palm Beach County	Design, Construction, Monitoring	\$0.00	\$655,000.00	\$655,000.00	\$1,310,000.00	\$25,404,348.11

- (1) Biological 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 11 previously constructed projects require monitoring activities for FY 2022/2023. A complete monitoring project listing can be found on Page 6. First year monitoring has been included with construction funds.
- (2) Federal cost share from FEMA for hurricane damage repair.
- (3) Funding request is for reimbursement of a project phase that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2021/2022.

Beach Restoration and Nourishment Projects (continued)

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
12	Estero Island Shore Protection Project	Town of Fort Myers Beach	Design, Construction, Monitoring	\$0.00	\$14,013,346.00	\$8,754,654.00	\$22,768,000.00	\$39,417,694.11
13	Hillsboro Beach Nourishment	City of Deerfield Beach	Design, Construction, Monitoring	\$0.00	\$2,612,500.00	\$2,612,500.00	\$5,225,000.00	\$42,030,194.11
14	Brevard County Shore Protection Project – Mid Reach	Brevard County	Design, Construction, Monitoring	\$7,936,000.00	\$5,132,000.00	\$5,132,000.00	\$18,200,000.00	\$47,162,194.11
15	Pensacola Beach Nourishment	Santa Rosa Island Authority	Design and Construction	\$0.00	\$225,000.00	\$225,000.00	\$450,000.00	\$47,387,194.11
16	Ponte Vedra Coastal Storm Risk Management Study	St. Johns County	Feasibility	\$1,500,000.00	\$750,000.00	\$750,000.00	\$3,000,000.00	\$48,137,194.11
17	Mid-Town Beach Nourishment	Town of Palm Beach	Design	\$0.00	\$148,443.75	\$214,056.25	\$362,500.00	\$48,285,637.86
18	St. Joseph Peninsula Beach Nourishment	Gulf County	Design	\$0.00	\$114,000.00	\$186,000.00	\$300,000.00	\$48,399,637.86
19	Anna Maria Island Beach Nourishment – Non-Federal	Manatee County	Construction, Monitoring	\$0.00	\$2,184,650.00	\$2,184,650.00	\$4,369,300.00	\$50,584,287.86
20	Phipps Ocean Park Beach Nourishment	Town of Palm Beach	Design	\$0.00	\$141,375.00	\$221,125.00	\$362,500.00	\$50,725,662.86
	TOTAL			\$73,649,526.65	\$50,725,662.86	\$46,048,131.92	\$170,423,321.43	\$50,725,662.86

- (1) Biological 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 11 previously constructed projects require monitoring activities for FY 2022/2023. A complete monitoring project listing can be found on Page 6. First year monitoring has been included with construction funds.
- (2) Federal cost share from FEMA for hurricane damage repair.
- (3) Funding request is for reimbursement of a project phase that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2021/2022.

Beach Restoration and Nourishment Post-Construction Monitoring

Project Description

This category serves to provide funding for monitoring activities associated with previously constructed projects. 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 for year 2 post-construction monitoring and beyond. First year monitoring required by permit is included in the construction funds on the previous Beach Restoration and Nourishment Projects list.

Project	Federal	State	Local	Total
Anna Maria Island Beach Nourishment – Non-Federal	\$0.00	\$12,600.00	\$12,600.00	\$25,200.00
Brevard County Shore Protection Project – Mid-Reach	\$0.00	\$200,000.00	\$200,000.00	\$400,000.00
Brevard County Shore Protection Project – North and South Reaches	\$0.00	\$195,000.00	\$195,000.00	\$390,000.00
Charlotte County Beach Nourishment	\$0.00	\$241,707.00	\$436,293.00	\$678,000.00
Collier County Beach Nourishment	\$0.00	\$173,758.00	\$236,242.00	\$410,000.00
Delray Beach Shore Protection Project	\$0.00	\$94,500.00	\$94,500.00	\$189,000.00
Fort Pierce Shore Protection Project	\$0.00	\$150,000.00	\$150,000.00	\$300,000.00
Jupiter Island Beach Nourishment and Blowing Rocks Dune	\$0.00	\$50,350.00	\$214,650.00	\$265,000.00
Manatee County Shore Protection Project	\$0.00	\$69,150.00	\$69,150.00	\$138,300.00
Martin County Shore Protection Project	\$0.00	\$206,865.00	\$243,135.00	\$450,000.00
North Boca Raton Shore Protection Project	\$0.00	\$45,950.00	\$45,950.00	\$91,900.00
Pensacola Beach Nourishment	\$0.00	\$83,000.00	\$83,000.00	\$166,000.00
South Amelia Island Beach Nourishment	\$0.00	\$75,187.20	\$100,812.80	\$176,000.00
South Marco Island Beach Nourishment	\$0.00	\$28,382.96	\$76,817.04	\$105,200.00
South Ponte Vedra Dune Restoration	\$0.00	\$40,365.00	\$189,635.00	\$230,000.00
South Ponte Vedra/Vilano Beach Restoration	\$18,850.00	\$53,996.67	\$102,153.33	\$175,000.00
TOTAL	\$18,850.00	\$1,720,811.83	\$2,449,938.17	\$4,189,600.00

Inlet Sand Bypassing/Inlet Management Plan Implementation Projects

Navigational inlets are not only 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, Florida's Legislature directed DEP to commit its comprehensive beach management efforts to addressing beach erosion caused by inlets. Funding for the inlet projects will be used to implement the actions recommended in the specific Inlet Management Plans (IMP) or the statewide Strategic Plan. IMPs adopted by DEP are incorporated into the Strategic Plan 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. Inlet management projects include, but are not limited to, inlet sand bypassing, modifications to channel dredging, jetty redesign, jetty repair, disposal of dredge material, and the development, revision, adoption, or implementation of an IMP.

The Legislature amended section 161.142, F.S., and created section 161.143, F.S., in 2008 to strengthen DEP's commitment to managing sediment around inlets. These sections direct DEP to develop and maintain sediment budgets for each inlet and ensure beach quality sand is placed on adjacent eroding beaches. They further establish funding priorities and ranking criteria for inlet projects and require DEP to provide an annual inlet project list to the Legislature for funding consideration. Rule 62B-36, F.A.C., was amended in 2013 to incorporate ranking criteria specific to inlet projects and the criteria were updated in 2020 following statutory changes to section 161.143, F.S. These new criteria were used in ranking inlet projects for FY 2021/2022 and FY 2022/2023. Post-construction monitoring is consolidated into a single category, pursuant to Rule 62B-36.003(11), F.A.C.

The funding requirements provided in section 161.143, F.S. also include provisions that DEP shall designate for projects on the current year's inlet management project list, in priority order, an amount that is at least equal to the greater of:

- Ten percent of the total amount that the Legislature appropriates in the fiscal year for statewide beach management; or
- The percentage of inlet management funding requests from local sponsors as a proportion of the total amount of statewide beach management dollars requested in a given year.

Effective July 1, 2019, Chapter 2019-122 Laws of Florida (House Bill 325), amended section

161.143(3), F.S., stating that, “The department may pay from legislative appropriation up to 75 percent of the construction cost of an initial major inlet management project component for the purpose of mitigating the erosive effects of the inlet to the shoreline and balancing the sediment budget. All project costs not associated with an initial major inlet management project component must be shared equally by state and local sponsors in accordance with s. 161.101(15), F.S.”

The funding requests for the FY 2022/2023 Inlet Projects total \$7.9 million. The funding priorities established by DEP 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. Projects are presented in the following order:

- Inlet Management Implementation/Inlet Sand Bypassing Projects: a total of seven projects requesting funds for feasibility studies, design and permitting activities, construction, and first year post-construction monitoring (three of these projects are also listed on the post-construction monitoring list).
- Years 2+ Post-Construction Monitoring: a combined list of four projects requesting funds for state and federal permit-required monitoring.

Projects have been evaluated by DEP and ranked in priority order in accordance with Chapter 62B-36, F.A.C. The descriptions of the proposed projects are based primarily on information provided by local governments. Funding eligibility and state cost share percentages are determined pursuant to section 161.143(3), F.S.

Inlet Sand Bypassing/Inlet Management Plan Implementation Projects

Rank	Project	Local Sponsor	Project Phase	Federal	State	Local	Total	Cumulative State Total
	Post Construction Monitoring (1)	Various	Monitoring	\$0.00	\$807,308.00	\$807,308.00	\$1,614,616.00	\$807,308.00
1	St. Lucie IMP Implementation (2)	Martin County	Construction	\$0.00	\$500,000.00	\$500,000.00	\$1,000,000.00	\$1,307,308.00
2	South Lake Worth IMP Implementation (2)	Palm Beach County	Design, Construction, Monitoring	\$0.00	\$3,438,750.00	\$1,226,250.00	\$4,665,000.00	\$4,746,058.00
3	Sebastian IMP Implementation	Sebastian Inlet District	Feasibility	\$0.00	\$75,000.00	\$75,000.00	\$150,000.00	\$4,821,058.00
4	Jupiter IMP Implementation (2)	Jupiter Inlet District	Design, Construction, Monitoring	\$0.00	\$468,660.00	\$468,660.00	\$937,320.00	\$5,289,718.00
5	Ft. Pierce IMP Implementation	St. Lucie County	Construction, Monitoring	\$0.00	\$1,107,500.00	\$387,500.00	\$1,495,000.00	\$6,397,218.00
6	Boca Raton IMP Implementation	City of Boca Raton	Design, Construction, Monitoring	\$0.00	\$663,550.00	\$663,550.00	\$1,327,100.00	\$7,060,768.00
7	Wiggins Pass IMP Implementation	Collier County	Construction	\$0.00	\$837,500.00	\$837,500.00	\$1,675,000.00	\$7,898,268.00
	TOTAL			\$0.00	\$7,898,268.00	\$4,965,768.00	\$12,864,036.00	\$7,898,268.00

- (1) Biological and physical monitoring required by state and federal permits has been consolidated on the Post-Construction Monitoring list. A total of one previously constructed project requires monitoring activities for FY 2022/2023. A complete monitoring project listing can be found on Page 11.
- (2) Funding request is for reimbursement of a project phase that has either been completed prior to the funding request submittal or that will be completed prior to the end of FY 2021/2022.

Inlet Management Post-Construction Monitoring

Project Description

This category serves to provide funding for monitoring activities associated with previously constructed projects. 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 for year 2 post-construction monitoring and beyond. First year monitoring required by permit is included in the construction funds on the Inlet Sand Bypassing/Inlet Management Plan Implementation Projects list.

Project	Federal	State	Local	Total
Jupiter IMP Implementation	\$0.00	\$7,808.00	\$7,808.00	\$15,616.00
Lake Worth IMP Implementation	\$0.00	\$342,000.00	\$342,000.00	\$684,000.00
Sebastian IMP Implementation	\$0.00	\$157,500.00	\$157,500.00	\$315,000.00
St. Lucie IMP Implementation	\$0.00	\$300,000.00	\$300,000.00	\$600,000.00
TOTAL	\$0.00	\$807,308.00	\$807,308.00	\$1,614,616.00

NAME OF PROJECT: St. Johns County Shore Protection Project

LOCAL SPONSOR: St. Johns County

LOCAL CONTACT: Damon Douglas

PROJECT DESCRIPTION:

The St. Johns County Shore Protection Project consists of 2.68 miles of shoreline and is located between DEP monuments R137 and R151 in St. Johns County. Restoration was completed in 2003, and nourishments were completed in 2005, 2012, and 2018. The County is developing a federal validation report to include additional offshore borrow areas for the federal project. The next nourishment is scheduled for 2022/2023. The requested funds are for design, construction, and year 1 post-construction monitoring. Staff have determined that 87.12% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, Construction and Monitoring

Federal	State	Local	Total
\$19,149,278.00	\$2,064,153.76	\$2,674,491.24	\$23,887,923.00

*Federal cost share from the USACE.

NAME OF PROJECT: Pinellas County Shore Protection Project – Long Key/Upham Beach

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: John Bishop

PROJECT DESCRIPTION:

The Pinellas County Shore Protection Project – Long Key/Upham Beach Segment is located between DEP monuments R144 and R146.4 in Pinellas County. The Project was authorized by Congress in 1966 and the Long Key/Upham Beach segment consists of 0.45 miles of shoreline of the 4.1-mile federal Shore Protection Project. Restoration was completed in 1980 and eight federal nourishments have been completed since then, with the most recent nourishment completed in 2018 in coordination with the Sand Key and Treasure Island segments. The requested funds are for construction and year 1 monitoring of the next nourishment, scheduled for 2022/2023. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$4,744,633.00	\$1,325,000.00	\$1,325,000.00	\$7,394,633.00

*Federal cost share from the USACE.

NAME OF PROJECT: Longboat Key Beach Nourishment

LOCAL SPONSOR: Town of Longboat Key

LOCAL CONTACT: Isaac Brownman

PROJECT DESCRIPTION:

The Longboat Key Beach Nourishment Project is located between DEP monuments R42.7 and R67.3 in Manatee County and R1 and R29.3 in Sarasota County. The Project was initially restored in 1993. A nourishment was completed in 2006. Smaller, interim projects included the Central Key truck haul project, New Pass/Longboat Pass dredging and the South End supplemental project in 2016 and a placement of sand near the North End Permeable Adjustable Groins in 2018. A nourishment project was completed in 2021, along with the installation of new groins. The requested funds are for the final year of the federal feasibility study, construction and engineering services for the Greer Island Spit Management Project, and construction preparation for the Gulfside Road interim beach nourishment planned for 2024. Staff have determined that 100% of the feasibility phase and 53.88% of the construction phase of the project are eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Feasibility and Construction

Federal	State	Local	Total
\$300,000.00	\$341,525.89	\$669,409.11	\$1,310,935.00

*Federal cost share from the USACE for the feasibility phase.

NAME OF PROJECT: Brevard County Shore Protection Project – North and South Reaches

LOCAL SPONSOR: Brevard County

LOCAL CONTACT: Paula Berntson

PROJECT DESCRIPTION:

The Brevard County Shore Protection Project – North and South Reaches is located between DEP monuments R1 and R54.5 and R118.3 and R141.1 in Brevard County. The North Reach was restored in 2000/2001 and the South Reach was restored in 2002/2003. Nourishments have been completed in 2005 (both Reaches), 2010 (South Reach), 2013/2014 (both Reaches), 2017/2018 (both Reaches) and 2020/2021 (both Reaches) to repair storm losses as needed. The requested funds are for reimbursement of the non-federal portion of the 2020/2021 South Reach nourishment and reimbursement of during, immediate, and year 1 post-construction monitoring for both Reaches. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction (FY 20/21 reimbursement) and Monitoring (FY 20/21 reimbursement)

Federal	State	Local	Total
\$12,731,197.00	\$984,401.50	\$984,401.50	\$14,700,000.00

*Federal cost share from the USACE.

NAME OF PROJECT: Pinellas County Shore Protection Project – Treasure Island

LOCAL SPONSOR: Pinellas County

LOCAL CONTACT: John Bishop

PROJECT DESCRIPTION:

The Pinellas County Shore Protection Project – Treasure Island Segment is located between DEP monuments R126 to R128A and R136 to R142 in Pinellas County. The Project was authorized by Congress in 1966 and the Treasure Island segment consists of 1.65 miles of shoreline of the 4.1-mile federal Shore Protection Project. Restoration was completed in 1969 and 11 federal nourishments have been completed since then, with the most recent nourishment completed in 2018, in coordination with the Sand Key and Long Key segments. The requested funds are for construction and year one monitoring of the next nourishment, scheduled for 2022/2023. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$6,904,761.90	\$2,525,000.00	\$2,525,000.00	\$11,954,761.90

*Federal cost share from the USACE.

NAME OF PROJECT: Duval County Shore Protection Project

LOCAL SPONSOR: City of Jacksonville

LOCAL CONTACT: Gary Goldsberry

PROJECT DESCRIPTION:

The Duval County Shore Protection Project is located between DEP monuments V501 and R80 in Duval County. The Project consists of the restoration and maintenance of approximately 10.1 miles of shoreline. Initial construction was completed in 1978/1980, with nourishments in 1987, 1991, 1995, 2005, 2017 and 2019. The requested funds are for a federal feasibility study to re-authorize the project and for construction of the next nourishment event, scheduled for 2023/2024. Staff have determined that 93.78% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Feasibility and Construction

Federal	State	Local	Total
\$15,976,000.00	\$5,107,956.60	\$5,686,043.40	\$26,770,000.00

*Federal cost share from the USACE.

NAME OF PROJECT: Broward County Shore Protection Project – Segment III

LOCAL SPONSOR: Broward County

LOCAL CONTACT: Patrick Quinn

PROJECT DESCRIPTION:

The Broward County Shore Protection Project – Segment III is a 7.3-mile segment of shoreline located between DEP monuments R86-200' to R94 and R98 to R128 in Broward County, between the Port Everglades south jetty and the Miami-Dade County line. The project includes Dr. Von D. Mizell-Eula Johnson State Park, City of Dania Beach, City of Hollywood Beach, and the City of Hallandale Beach. The project was federally authorized in 1965 and between 1971 and 2020, over 7.4 million cubic yards of sand have been placed along Segment III beaches from 12 nourishment events. The requested funds are for the engineering, design, permitting, and construction of two locally-sponsored dune projects: one within Dr. Von D. Mizell-Eula Johnson State Park scheduled for 2021/2022 and one within the City of Dania, Hollywood, and Hallandale Beach scheduled for 2022/2023. Staff have determined that 99.51% of the project within City of Dania, Hollywood, and Hallandale Beach and 100% of the project within the State Park is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design (FY 22/23 and reimbursement for FY 19/20, FY 20/21, and FY 21/22), Construction (FY 22/23 and reimbursement for FY 21/22), and Monitoring

Federal	State	Local	Total
\$0.00	\$3,750,625.21	\$1,781,404.32	\$5,532,029.53

NAME OF PROJECT: North County Comprehensive Shore Protection Project – Segment II

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Andy Studt

PROJECT DESCRIPTION:

The North County Comprehensive Shore Protection Project – Segment 2 consists of nourishment and maintenance of 1.45 miles of dunes between DEP reference monuments R19 to R26 in Palm Beach County. The project has had two nourishments that were limited to between R20-230' to R21. The most recent project was completed in 2020. The project received FEMA funds for a Hurricane Dorian storm repair project, scheduled for 2021/2022. The requested funds are for construction costs to place additional sand to complete a full dune nourishment. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction

Federal	State	Local	Total
\$382,713.75	\$837,643.13	\$837,643.13	\$2,058,000.00

*Federal cost share from FEMA for Hurricane Dorian.

NAME OF PROJECT: Navarre Beach Nourishment

LOCAL SPONSOR: Santa Rosa County

LOCAL CONTACT: Michael Schmidt

PROJECT DESCRIPTION:

The Navarre Beach Nourishment Project is located between DEP monuments R192+460' and R213+650' in Santa Rosa County. The Project was initially restored in 2006, placing approximately 2,952,889 cubic yards of sand to construct the beach and dune. The project was nourished again in 2016. Hurricane Sally caused storm damages and losses in September of 2020. The requested funds are for the construction of a Hurricane Sally repair project (for a portion of the total project) and year 1 post-construction monitoring. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$3,890,093.00	\$5,994,023.00	\$5,994,023.00	\$15,878,139.00

*Federal cost share from FEMA for Hurricane Sally.

NAME OF PROJECT: South Ponte Vedra/Vilano Beach Restoration

LOCAL SPONSOR: St. Johns County

LOCAL CONTACT: Damon Douglas

PROJECT DESCRIPTION:

The South Ponte Vedra/Vilano Beach Restoration Project is located between DEP monuments R102.5 and R117.5 in St. Johns County. The restoration of the project was completed in January 2021. Due to borrow area sand limitations, the USACE is investigating the potential for additional borrow area sites for future nourishments of the project through a validation report. The requested funds are for design to complete a USACE validation report. Staff have determined that 69.16% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$116,000.00	\$98,207.20	\$185,792.80	\$400,000.00

*Federal cost share from the USACE.

NAME OF PROJECT: Coral Cove Dune Nourishment

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Andy Studt

PROJECT DESCRIPTION:

The Coral Cove Dune Nourishment Project consists of the nourishment and maintenance of 1 mile of dunes between DEP monuments R1.1 to R7.6 in Palm Beach County. Since 1989, five dune nourishments have been completed and will continue under Coastal Construction Control Line permitting on a 4-5-year basis. The most recent nourishment was completed in 2014 and the next is scheduled for 2022. The requested funds are for the design, construction, and year 1 post-construction monitoring of the 2022 nourishment. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$655,000.00	\$655,000.00	\$1,310,000.00

NAME OF PROJECT: Estero Island Shore Protection Project

LOCAL SPONSOR: Town of Fort Myers Beach

LOCAL CONTACT: Chadd Chustz

PROJECT DESCRIPTION:

The Estero Island Shore Protection Project is 5.45 miles of shoreline located between DEP monuments R175-400' to R198 and R203 to R207 in Lee County. The northern 1.3 miles of project shoreline was restored in 2011 and included the construction of the Matanzas Pass terminal groin on the north end of the beach fill. In 2016 and 2020, the USACE placed dredged sand from Matanzas Pass between R182 and R187. In 2017, the West Coast Inland Navigation District and Lee County nourished between R203 and R206 using dredged sand from Big Carlos Pass. In 2017 and 2020, Lee County used upland sand to repair storm damages at R180 and R181 from Hurricane Irma and Tropical Storm Eta, respectively. In 2020, the Town of Fort Myers Beach took over local sponsorship from Lee County. Following additional storm damages along Estero Island in 2020 and 2021, the Town plans to extend the project nourishment length. The requested funds are for the design, construction, and year 1 monitoring of the next nourishment event scheduled for 2023. Staff have determined that 83.3% of the segment between R175-400' to R198 and 100% of the segment between R203 to R207 project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$14,013,346.00	\$8,754,654.00	\$22,768,000.00

NAME OF PROJECT: Hillsboro Beach Nourishment

LOCAL SPONSOR: City of Deerfield Beach

LOCAL CONTACT: Patrick Bardes

PROJECT DESCRIPTION:

The Hillsboro Beach Nourishment Project consists of 0.7 miles of shoreline and is located between DEP monuments R5+350' and R9 in the City of Deerfield Beach and Town of Hillsboro in Broward County. The Project was restored in 1972 and six nourishments from either offshore or upland sand sources have been completed along different segments within R6 and R12. The City of Deerfield Beach and Town of Hillsboro are working together to conduct a joint beach management project and the requested funds are for the design, permitting, construction, and year 1 post-construction monitoring of a phase one nourishment event scheduled for 2022/2023. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$2,612,500.00	\$2,612,500.00	\$5,225,000.00

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

LOCAL SPONSOR: Brevard County

LOCAL CONTACT: Paula Berntson

PROJECT DESCRIPTION:

The Brevard County Shore Protection Project – Mid-Reach Segment consists of 7.6 miles of shoreline and is located between DEP monuments R75.4 and R118.3 in Brevard County. The Project was federally authorized in 2014 by Congress, with the Project Partnership Agreement signed in 2016. Construction of a mitigation reef was completed in 2019, with the initial federal restoration of the project being completed in 2019 and 2020. The requested funds are for the design, construction, and year 1 post-construction monitoring of the 2022/2023 nourishment event. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design, Construction and Monitoring

Federal	State	Local	Total
\$7,936,000.00	\$5,132,000.00	\$5,132,000.00	\$18,200,000.00

*Federal cost share from the USACE.

NAME OF PROJECT: Pensacola Beach Nourishment

LOCAL SPONSOR: Santa Rosa Island Authority

LOCAL CONTACT: Juan Lemos

PROJECT DESCRIPTION:

The Pensacola Beach Nourishment Project is located between DEP monuments R107 and R151 in Escambia County. The Project consists of the restoration and maintenance of approximately 8.1 miles of shoreline on Santa Rosa Island. Initial restoration occurred in 2003, with a repair project completed in 2006 following impacts from Hurricane Ivan. A full nourishment of the project was completed in 2016, including placement of approximately 1.75 million cubic yards. Impacts from Hurricane Sally in September 2020 damaged the dunes. The requested funds are for the design and construction of a dune project. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design and Construction

Federal	State	Local	Total
\$0.00	\$225,000.00	\$225,000.00	\$450,000.00

NAME OF PROJECT: Ponte Vedra Coastal Storm Risk Management Study

LOCAL SPONSOR: St. Johns County

LOCAL CONTACT: Damon Douglas

PROJECT DESCRIPTION:

The Ponte Vedra Coastal Storm Risk Management Study is located between DEP monuments R16.4 and R103.5 in St. Johns County, but only the shoreline from R26 to R31 and R76 to R103.5 is designated by the Department as critically eroded. The Jacksonville USACE District has received funding for a federal feasibility study for the full project area. The requested funds are for the federal feasibility study. Staff have determined that 100% of the feasibility study is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Feasibility

Federal	State	Local	Total
\$1,500,000.00	\$750,000.00	\$750,000.00	\$3,000,000.00

*Federal cost share from the USACE.

NAME OF PROJECT: Mid-Town Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PROJECT DESCRIPTION:

The Mid-Town Beach Nourishment includes 2.8 miles of shoreline between DEP monuments R89 and R102 in Palm Beach County. Restoration was completed in 1995 from R95 to R100 and included the construction of 11 groins which were completed in 1996. In 2003, nourishment was completed for an extended shoreline length between R90.4 and R101.4. The project was nourished using FEMA funds in 2006 in response to the 2004/2005 hurricane seasons, and again in 2011 to repair dune damages sustained during Tropical Storm Fay. The project was included in the 2013 Palm Beach Island Beach Management Agreement Pilot Project. The next nourishment was completed in 2015 and the construction of an additional groin at R99 was completed in 2018. The Town signed a Project Partnership Agreement with the USACE in 2019 to be included in the Palm Beach County Federal Shore Protection Project. The most recent nourishment was completed in 2021, and this was the first nourishment completed with federal cost sharing. The requested funds are for design activities to complete a sand search and delineate borrow areas for the next nourishment event. Staff have determined that 81.9% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$148,443.75	\$214,056.25	\$362,500.00

NAME OF PROJECT: St. Joseph Peninsula Beach Nourishment

LOCAL SPONSOR: Gulf County

LOCAL CONTACT: Michael Hammond

PROJECT DESCRIPTION:

The St. Joseph Peninsula Beach Nourishment Project is located between DEP monuments R67 and R105.5 in Gulf County. The restoration was completed in 2008/2009, placing approximately 3.6 million cubic yards of sand. The first nourishment was scheduled for October 2018 but was delayed due to impacts from Hurricane Michael. In 2019, the nourishment placed approximately 855,000 cubic yards. An interim dune nourishment project that is partially funded by the National Fish and Wildlife Foundation is currently under construction. The requested funds are for design for a geotechnical investigation/sand search to identify potential additional sand sources. Staff have determined that 76% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$114,000.00	\$186,000.00	\$300,000.00

NAME OF PROJECT: Anna Maria Island Beach Nourishment – Non-Federal

LOCAL SPONSOR: Manatee County

LOCAL CONTACT: Charlie Hunsicker

PROJECT DESCRIPTION:

The Anna Maria Island Beach Nourishment Project is located between DEP monuments R33 and R41+325' in Manatee County. The Project includes the Coquina Beach Nourishment, Longboat Pass jetty, and Cortez Beach groins. The Project was restored in 2011 and nourished in 2014 and the Cortez Beach groins were reconstructed in 2016. A storm repair project was completed in 2021 in coordination with the Manatee County Shore Protection Project with FEMA funds from Hurricane Hermine and Hurricane Irma. The requested funds are for the construction of two structural projects: Coquina Beach stabilization project and Longboat Pass jetty repair as well as for the year 1 post-construction physical and sea turtle monitoring of the Coquina Beach stabilization project. Staff have determined that 100% of the project is eligible for state cost sharing.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$2,184,650.00	\$2,184,650.00	\$4,369,300.00

NAME OF PROJECT: Phipps Ocean Park Beach Nourishment

LOCAL SPONSOR: Town of Palm Beach

LOCAL CONTACT: Robert Weber

PROJECT DESCRIPTION:

The Phipps Ocean Park Beach Nourishment Project includes 2.1 miles of shoreline located between DEP monuments R116+390' to R127+87' in Palm Beach County. In 2004, a 3.1-acre artificial reef was constructed to mitigate for impacts to hardbottom resources in advance of the 2006 restoration. A FEMA dune nourishment was completed in 2011 to repair damages sustained during Tropical Storm Fay. The project is included in the 2013 Palm Beach Island Beach Management Agreement Pilot Project. An interim dune nourishment was completed in 2015 in coordination with the Mid-Town Beach project. A full nourishment was completed in 2016, with an expansion of the project limit, and a storm recovery project was completed in 2021. The next full nourishment event is scheduled for 2022. The requested funds are for design funds to complete a sand search and delineate borrow areas for the next nourishment event, scheduled for 2025. Staff have determined that 78% of the project is eligible for state cost share.

FUNDS WILL BE USED FOR:

Design

Federal	State	Local	Total
\$0.00	\$141,375.00	\$221,125.00	\$362,500.00

NAME OF PROJECT: St. Lucie IMP Implementation

LOCAL SPONSOR: Martin County

LOCAL CONTACT: Kathy Fitzpatrick

PROJECT DESCRIPTION:

The St. Lucie Inlet is located between DEP monuments R44 to R45 in Martin County. Federally-authorized improvements began in 1974 with the construction of the first extension of the north jetty, a small south jetty, and a detached breakwater. The Inlet Management Plan (IMP) was adopted in 1996, and since then, regular sand bypassing has been conducted on a 4-5-year cycle, with the placement of over 3.28 million cubic yards of sand on the beaches of Jupiter Island to the south of the inlet. Extensive monitoring and modeling efforts were undertaken after the construction of the sediment impoundment basin in 2002 to understand the impact and functioning of the basin. As a result, a revised IMP was adopted in 2016. The IMP calls for sand bypassing to both the Town of Jupiter Island (161,000 cy/year) to the south and Bathtub Beach/Sailfish Point (34,000 cy/year) to the north. The most recent bypassing event and placement between R45 and R59 was completed in April 2021. The requested funds include additional construction funds for a shortfall from FY2020/2021. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction (reimbursement for FY 20/21)

Federal	State	Local	Total
\$0.00	\$500,000.00	\$500,000.00	\$1,000,000.00

NAME OF PROJECT: South Lake Worth IMP Implementation

LOCAL SPONSOR: Palm Beach County

LOCAL CONTACT: Andy Studt

PROJECT DESCRIPTION:

The South Lake Worth Inlet (also known as Boynton Inlet) is located between DEP monuments R151 and R152 in Palm Beach County. The Inlet Management Plan (IMP) was adopted in March 1999, establishing an annual bypassing objective of 88,000 cubic yards of sand with 60,000 cubic yards to be bypassed by the sand transfer plant. The interior deposition basin (sand trap) was expanded in 2002 and in 2009 it was reconstructed. Seagrass mitigation was completed in 2014 and maintenance dredging was completed in 2015. A new sediment budget study has been finalized and will be a component of an updated IMP. The requested funds include the design and construction of the expansion of the sand trap, design of the sediment budget update, and year 1 post-construction monitoring. Staff have determined that the construction phase costs are eligible for a 75% state cost share and the design and monitoring phase costs are eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design (FY 22/23 and reimbursement for FY 21/22), Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$3,438,750.00	\$1,226,250.00	\$4,665,000.00

NAME OF PROJECT: Sebastian IMP Implementation

LOCAL SPONSOR: Sebastian Inlet District

LOCAL CONTACT: James Gray

PROJECT DESCRIPTION:

The Sebastian Inlet is located between DEP monument R219 in Brevard County and R1 in Indian River County. The Inlet Management Plan (IMP) was adopted in 2000 and includes the shoreline from R215 to R219 in Brevard County and R1 to R17 in Indian River County. The inlet channel, sand trap, and associated structures are managed by the Sebastian Inlet District (District). In 2011, the Dredged Material Management Area (DMMA) was constructed, which allows the District to store more than 30,000 cubic yards of beach-compatible sand for placement on downdrift beaches. Between 2013 and 2021, four nourishment events have been completed using sand from the DMMA. The requested funds are for a feasibility study to update the IMP. Staff have determined the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Feasibility

Federal	State	Local	Total
\$0.00	\$75,000.00	\$75,000.00	\$150,000.00

NAME OF PROJECT: Jupiter IMP Implementation

LOCAL SPONSOR: Jupiter Inlet District

LOCAL CONTACT: Joseph Chaison

PROJECT DESCRIPTION:

Jupiter Inlet is located between DEP monuments R12 and R13 in Palm Beach County and is maintained by the Jupiter Inlet District (JID). The sand bypassing project involves periodic maintenance dredging of approximately 60,000 cy/yr of sand from the 6.58-acre sand trap. The IMP was adopted in 1997 and the sand trap has been dredged 19 times since IMP adoption. Sand dredged from the inlet and sand trap is placed south of the inlet, between R13 and R19. The requested funds are for design, construction, and monitoring. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design, Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$468,660.00	\$468,660.00	\$937,320.00

NAME OF PROJECT: Ft. Pierce IMP Implementation

LOCAL SPONSOR: St. Lucie County

LOCAL CONTACT: Joshua Revord

PROJECT DESCRIPTION:

The Ft. Pierce Inlet is located between DEP monuments R33 and R34 in St. Lucie County. It consists of the restoration and maintenance of 2.3 miles of shoreline immediately south of the inlet. The Ft. Pierce Inlet Management Plan (IMP) was adopted in 1997. A draft feasibility study to evaluate sand bypassing alternatives was completed in 2003 and in 2008 and 2009, survey and modeling efforts were completed to evaluate, recommend, and design the deposition basin (sand trap) alternative. The design and permitting of the sand trap were completed in 2019 and the construction bidding process was completed in 2021 for phase I of the sand trap construction. An updated sediment budget report was submitted to the Department in 2021, with the intent to update the IMP. The funding request is for additional construction funds for phase one of the sand trap construction and year 1 post-construction monitoring. Staff have determined that the project is eligible for a 75% state cost share for the construction phase and 50% state cost share for the monitoring phase.

FUNDS WILL BE USED FOR:

Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$1,107,500.00	\$387,500.00	\$1,495,000.00

NAME OF PROJECT: Boca Raton IMP Implementation

LOCAL SPONSOR: City of Boca Raton

LOCAL CONTACT: Jennifer Bistyga

PROJECT DESCRIPTION:

The Boca Raton Inlet is located at DEP monument R223 in Palm Beach County. The Boca Raton Inlet Management Plan was adopted in 1997. The plan established a bypassing objective of 71,300 cubic yards of sand annually. In 2004, the bypassing objective was revised and increased to 83,000 cubic yards. Bypassing activities and associated monitoring occur annually using a city-owned dredge that bypasses sand to a fixed outfall located on the beach south of the inlet. A second discharge pipe is being designed to provide an alternative location to bypass dredged sand further away from the inlet. Construction of the second discharge pipe is scheduled for 2022/2023. The requested funds include design and permitting for the sediment budget update, second discharge pipe, and new USACE permit; construction of the discharge pipe and construction for the annual bypassing activities; and physical monitoring. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Design (FY 22/23 and reimbursement for FY 21/22), Construction and Monitoring

Federal	State	Local	Total
\$0.00	\$663,550.00	\$663,550.00	\$1,327,100.00

NAME OF PROJECT: Wiggins Pass IMP Implementation

LOCAL SPONSOR: Collier County

LOCAL CONTACT: Andrew Miller

PROJECT DESCRIPTION:

The Wiggins Pass Inlet Management Plan Implementation Project is located between DEP monuments R16 and R17 in Collier County. The initial phase of the Inlet Management Study was implemented in 2013 and an interim maintenance dredging event was completed in 2015. The Inlet Management Plan was adopted in 2018 and authorizes sand placement from R12 to R15.5 north of the Pass and from R18 to R20 south of the Pass. A major dredging event was completed in 2018 and an interim event was completed in 2020. The next major dredging event is scheduled for 2022. The County is undergoing a permit modification to authorize additional sand placement on the Delnor Wiggins State Park shoreline. The requested funds are for the construction costs for the sand placement within Delnor Wiggins State Park (as consistent with Rule 62B-36.003(7)(b), F.A.C.) from the next interim dredging event scheduled for 2024. Staff have determined that the project is eligible for a 50% state cost share.

FUNDS WILL BE USED FOR:

Construction

Federal	State	Local	Total
\$0.00	\$837,500.00	\$837,500.00	\$1,675,000.00