Shoreline
FLORIDA SHORE & BEACH PRESERVATION ASSOCIATION
A League of Cities and Counties on Beach and Coastal Issues

About Shoreline

news from the Florida Shore and Beach Preservation Association

September 2024

Next week, we are excited to kick off our 3rd Annual Florida Resilience Conference, featuring FSBPA's 67th year of collaboration with our dedicated members who are committed to preserving Florida's stunning beaches. This year's conference promises to be an exceptional opportunity to gain insights into the latest advancements in beach management and resilience.

If you haven't registered yet, there's still time to join us! Please note that regular registration rates end today, September 7. Don't miss out on this chance to connect with fellow professionals and learn from leading experts in the field.

In addition, we want to remind you about the 2024 General Membership Meeting, scheduled for Thursday, September 12. The meeting will take place at the Hyatt Coconut Point Beach Resort in rooms Estero B & C. For your convenience, the meeting packet is available on our website under the Annual Conference tab.

Lastly, the Call for Abstracts for the 2025 Tech Conference is now open and will remain so through October 7. We encourage you to submit your abstracts to share your innovations and experiences with others eager to learn.

We look forward to seeing you at these events and appreciate your continued engagement in our mission to preserve and protect Florida's beaches.

Inside this Edition

FLORIDA SHORE & BEACH PRESERVATION ASSOCIATION
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Announcing the 2024 FSBPA Award Winners

We are thrilled to announce that seven recipients will be honored with prestigious FSBPA awards on the evening of September 12 at the Hyatt Regency Coconut Point Beach Resort. These awards celebrate the outstanding contributions of individuals to the preservation of Florida's beaches.

Each award holds special significance, often honoring the legacy of pioneering leaders in Florida's beach preservation efforts. Following careful deliberation by our Awards Committee, chaired by Andy Studt and supported by John Bishop and Mike McGarry, this year's recipients have been unanimously selected for their exceptional achievements and will be celebrated for their invaluable work.

We invite you to join us for this memorable event as we recognize and applaud the dedication of our colleagues and friends.

A special thank you to our awards plaque sponsors, Brett Moore and Mohamed Dabees of Humiston and Moore Engineering, and to our Premiere awards banquet sponsor, Lewis Longman & Walker, as well as our Patron sponsors Aptim, CPE, and Earth Balance. Your support is instrumental in making this event a success.

We look forward to celebrating with you!

Steve Boutelle, Per Bruun Distinguished Service Award

We are pleased to announce that Steve Boutelle, a three-time FSBPA Chair and Marine Operations Manager of the Lee County Natural Resources Division, is the recipient of the esteemed Per Bruun Distinguished Service Award. Nominated by Michael Poff and Justin McBride, Steve is recognized for his remarkable 35-year career dedicated to the preservation of Florida's beaches and coastal resources. His recent leadership in the recovery efforts following Hurricane Ian further highlights his unwavering commitment to our coastal communities.

The Per Bruun Award is named in honor of the first Director of Coastal Engineering at the University of Florida and founder of FSBPA in 1957. Few individuals embody the spirit of this award as well as Steve does through his commitment to beach preservation and significant contributions to this association.

Congratulations, Steve, and thank you for your distinguished service.

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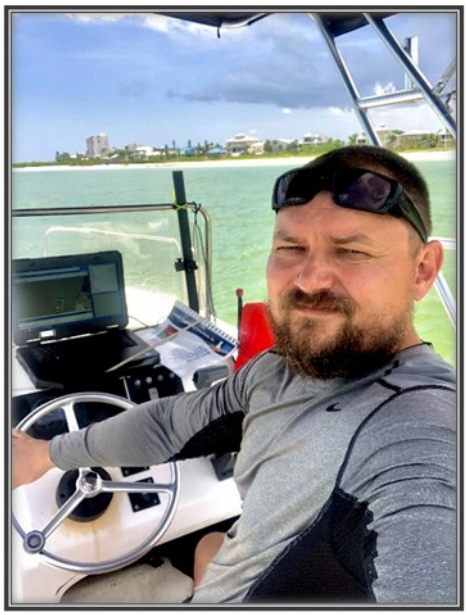
Vadim Alymov, Jim Purpura/T.Y. Chiu Engineering Award



Vadim Alymov, Coastal Modeler for Coastal Engineering Consultants, is the 2024 recipient of the Jim Purpura/T.Y. Chiu Engineering Award. This prestigious award is named after two individuals of outstanding reputation who are recognized for their significant contributions to Florida's beach management and regulatory programs as well as their excellence in coastal engineering. Vadim is recognized for his extensive coastal engineering contributions to beach preservation, with nominations from Michael Poff, Mohamed Dabees, Steve Boutelle, and Michael Campbell. His expertise as a coastal modeler has been celebrated by his peers for more than 20 years, initially endorsed with a glowing endorsement from the esteemed Dr. Bob Dean. Vadim, thank you for your decades of dedicated service to Florida's beaches and coastal systems. Your work exemplifies the excellence this award represents.

Lauren Floyd, Suzi Fox Environmental Award

Lauren Floyd, Senior Marine Biologist for Coastal Protection Engineering, is the inaugural recipient of the Suzi Fox Environmental Award. This accolade recognizes Lauren's 20+ years of dedication to the protection of Florida's coastal environment. As a master diver, Lauren has spearheaded reconnaissance and compliance monitoring dives, significantly contributing to the protection of important marine habitats. Her expertise has enhanced seagrass mitigation programs, and she has enthusiastically served as a scientific advisor to the Anna Maria Turtle and Shore Bird Monitoring volunteer organization. This organization was once championed by the late Suzi Fox, for whom the award was named after in 2023. Lauren's work fully exemplifies the spirit of this award, making her a fitting first recipient of the award named after her mentor and friend. We extend our heartfelt gratitude to Lauren for exceptional service to Florida's marine environment and to Charlie Hunsicker and Tom Pierro for their nomination.

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Michael Campbell, Public Service Award

Mike Campbell, Marine Project Manager for the Lee County Natural Resources Division, is the 2024 recipient of the Public Service Award. Nominated by Steve Boutelle and Michael Poff, Mike is recognized for his exemplary service and leadership in the aftermath of Hurricane Ian. Mike played a critical role in documenting the hurricane's devastation and spearheading the clean-up and recovery operations. Beyond his emergency response work, Mike demonstrated remarkable fortitude by concurrently managing the development of the of the Lovers Key and Bonita Beach projects. His ability to balance these demanding tasks highlights his dedication to service to his community.

Congratulations, Mike, on this well-deserved accolade for your outstanding contributions to Lee County.

Chadd Chustz, Public Service Award

Chadd Chustz, project manager for the Town of Fort Myers Beach, will receive the 2024 Public Service Award. This award recognizes Chadd's outstanding contributions for the successful implementation of the Town's comprehensive beach management program and efforts to obtain over $40M in grants for beach and dune management and recovery program following Hurricane Ian. Tackling the Town's comprehensive beach management program was a particularly complex task given the challenging beach conditions and diverse set of ideas for the development of a technically sound plan to nourish and maintain critically eroded beaches. Chadd's perseverance and commitment were further evident as he navigated the extreme obstacles faced by the Town following Hurricane Ian.

Thank you, Michael Poff and Steve Boutelle, for nominating Chadd for this well-deserved award. Congratulations, Chadd, and thank you for your exceptional efforts on behalf of the Town's beaches.

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Holly Milbrandt, Local Government Award

Holly Milbrandt, Director of Natural Resources for the City of Sanibel, is honored with the 2024 Local Government Award for her admirable leadership and efforts to restore the City of Sanibel's beaches following Hurricane Ian, as well as her significant contributions to beach preservation and enhancement. Following Hurricane Ian, Holly played a key role in coordinating with state and federal agencies to secure funding to restore 12 miles of coastline and reestablish vital protection for the community and its resources.

With more than 18 years of dedicated service to the City, Holly has brought invaluable technical expertise to managing coastal resources. Her work includes enhancing native habitat, promoting wildlife protection and resiliency with dune enhancement programs, and tackling complex issues on coastal development and armoring.

A heartfelt thank you to Brett Moore for nominating Holly and highlighting her achievements to FSBPA. Congratulations, Holly!

Pinellas County Public Works Department, Outstanding Service Award

The Pinellas County Public Works Department will be honored with an Outstanding Service Award for their incredible achievement in repairing beaches and dunes along the County's shoreline in the wake of Hurricane Idalia. Hurricane Idalia left many homes and businesses in harm's way, and the team worked tirelessly to contract and fund emergency repairs to the beaches and dunes in a matter of days. Given the project's vast scale and complexity, this accomplishment is truly extraordinary.

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The Outstanding Service Award recognizes exceptional contributions to the preservation of Florida's beaches. The Pinellas County Public Works Department's can-do attitude and innovative approach in protecting critically vulnerable properties from coastal flooding and erosion exemplify the highest standards of service.

Thank you Nicole Sharp and Beau Suthard for nominating Kelli Hammer Levy, John Bishop, Zach Westfall, Rob Burns, and all the team members who played a crucial role in this project. Their dedication has been deeply appreciated by both the community and this association.

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Hyatt Regency Coconut Point
Bonita Springs, Florida

Register today!

The 2024 Annual Membership meeting will be held on-site at the Hyatt Regency Coconut Point on September 12 at 12:05 pm

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History of Beach Screening

By Jim LaGrone, Project Manager and Jennifer Coor, Ph.D., P.G., Geologist, Jax District

US Army Corps of Engineers®

Florida Beach Regulations

The Florida Sand Rule 62B-41.007(2)(j), F.A.C., was first implemented in 2002, and began regulating the material placed on Florida's beaches for restoration and nourishment projects to ensure the beaches retain their native ecological and engineering functions. While there are five key aspects of the "Sand Rule," this article focuses on oversize material on the beach and borrow areas.

While the majority of Florida's shoreline is sandy, some of Florida's beaches naturally contain shell and/or rock material larger than ¾". This variation between Florida's beaches is acknowledged by the "Sand Rule," which states that the percent retained on the ¾" sieve should not exceed that of the native/existing beach, which is characterized prior to the initial beach restoration.

The sediment Quality Control/ Quality Assurance (QC/QA) Plan, part of the FDEP Joint Coastal Permit, provides an additional level of protection for Florida's beaches, requiring remediation if the dredged material contains rocks or is otherwise considered not to be beach compatible. If rock or shell exceeds the natural occurrence of rock and shell along a 10,000 square section of beach (approximately 100 feet long by 10 feet wide), remediation would be required.

If remediation is required, the first step includes an attempt to blend the noncompliant material (exceedance of rock or shell) with the compliant material placed template until all the material meets the states compliance criteria. If blending is unsuccessful or not possible, additional equipment is required to properly screen the material on the beach and dispose of all noncompliant material. Remediation is costly and often leads to delays to the schedule.

Upon completion of all projects, all dredged and placed material is tilled to ensure it is not too compacted for the ecological function of the beach in accordance with state requirements.

Maintaining Compliance during Construction

The Jacksonville District first implemented screening for rock and/or shell less than 2" on the beach in 2013 to maintain compliance with the "Sand Rule" and reduce the need for post-construction remediation (screening) that often occurred after completion of a project to remove oversize rock and/or shell.

Early Screening Requirements

Until the early 2010s, screening was completed by using screen cages, or rock boxes, connected directly to the outfall pipe on the beach. The size of the screens on the cages varied according to the size of the anticipated oversized material; the screen size often exceeded 4 inches. Additionally, wire/screen size and configuration of the cages slightly between the various dredging contractors, e.g. some screen cages or rock boxes had open air tops while others were fully enclosed.

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Production delays were common since the rock cages (screens) quickly clogged with oversized rock and shell material. While the offshore sand sources undergo a vigorous geotechnical investigation, oversize material (greater than 3 inches – the size of the core barrel) is often not captured. Additionally, the amount of ocean biota is concentrated in the upper portion of the borrow areas. As a result, the screen cages required active monitoring and cleaning to ensure they did not become overwhelmed and overflow. Overflowing results in noncompliant oversize material spilling onto the beach causing placement operations to cease while the screen cages are repaired. Oversize material was often collected and removed from the beach by hand to meet compliance requirements (See Figure 1).

Figure 1. Various types of Rock cages. Images to the left were from USACE Baltimore District and images to the right were from the recent Shore Protection Project at St Augustine Beach.

Recent Advancement in Technology

For decades, upland sand mines have been dredging, washing, and screening material to meet customer needs and orders, essentially creating “designer sand.” While more expensive than dredged sand, this sand has been preferable in sensitive environments that are susceptible to siltation and turbidity.

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However, technological advancements in recent years have allowed for historically large and stationary screening equipment to become smaller and mobile. It is now possible for dredged material to be mechanically screened and sorted in real-time during beach construction using screening equipment operated by remote control. To accomplish this, the dredge discharge pipe is directly connected to a mechanical extractor capable of screening out oversize material from the slurry and subsequently disposing of the oversize material.

The newer machinal extractors have low impact on production rates and can safely move unsuitable oversized material to a disposal dumpster (without clogging), allowing the smaller beach compatible material to pass. The sand to gravel size shell retained on the beach with the quartz sand provide additional stabilization of beach fill material (often removed from system in cages but not with sieves/belts). The mechanical extractors mobility allows for a seamless operation as construction advances (see Figure 2).

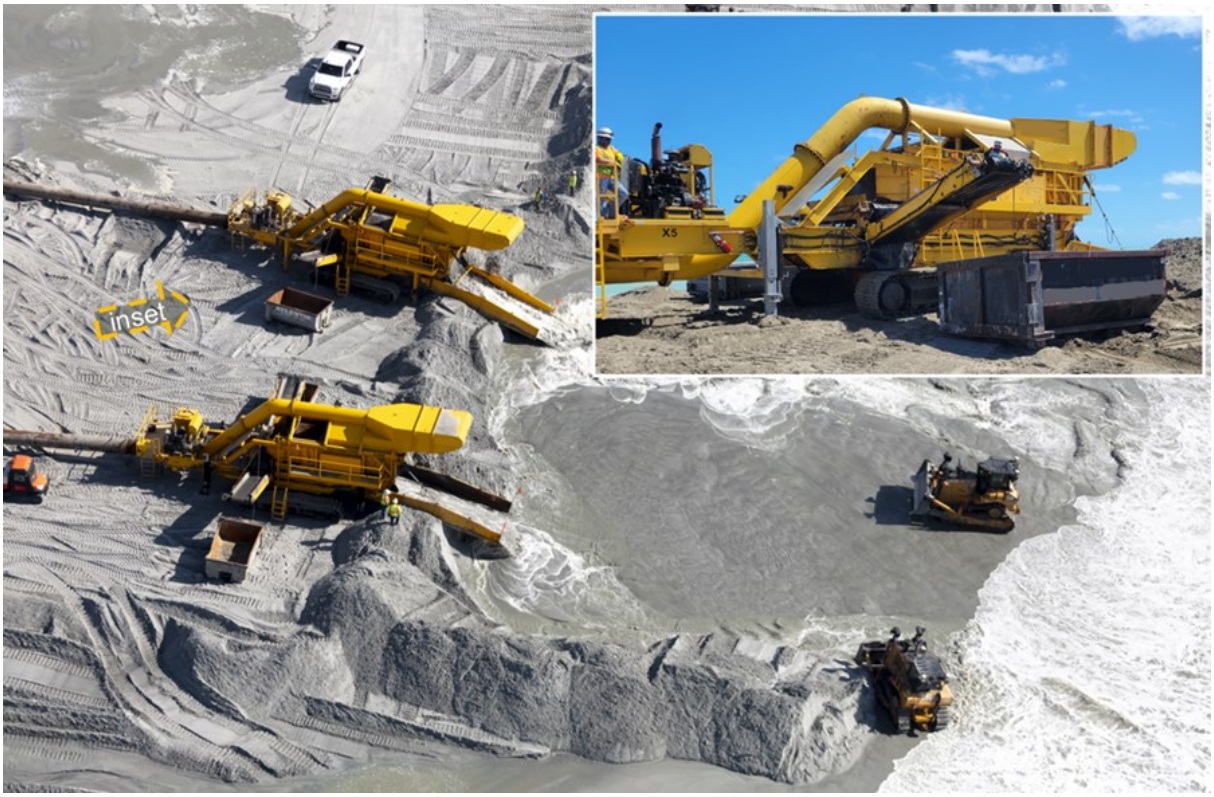

Figure 2. Aerial image provided by Fluidize Rock Systems showing dual mechanical extractors sifting through material at Duval Shore Protection Project with a ground image inset.

Formerly Used Defense Sites (FUDS)

In the early 2020s, USACE the Formerly Used Defense Site (FUDS) program noted some of the Coastal Program's borrow areas to be used for the beach placement were in the vicinity of various military training areas and there would be likely occurrence of Munitions and Explosives of Concern (MEC).

This prompted additional changes to comply with all safety and regulatory requirements. To be overly cautious and protect life, all projects dredging offshore borrow areas will conduct screening on the beach to ensure MEC does not become incorporated into the dredge fill. If there is a moderate to high risk of encountering MEC, screening will occur both on the dredge at the draghead and on the beach using a screener.

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Summary

Therefore, the technology of screening for beach fill has now evolved, surpassing regulatory compliance requirements to protect life and safety to all those using the beach. Safety to the contractor dredging the area, safety to the workers placing and dressing of fill, the safety of the beach goer, and safety to the environment. This topic will likely be discussed in more detail at future FSBPA Conferences.

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Federal Project Status Update – September 2024

US Army Corps of Engineers

PLANNING STUDIES:

MIAMI-DADE COUNTY BACK BAY CSRM FEASIBILITY STUDY

The purpose of this study is to evaluate risk management measures that address coastal storm risks, including impacts from tidal sea level rise and storm surge, to the communities of Miami-Dade County. The project was reinitiated in August 2021 following a pause as a result of community response to the original proposed plan that included floodwalls, surge gates across canals and rivers, and pump stations. The Corps has collaborated closely together with the county and the public to formulate alternatives that include more natural and nature-based solutions and that have greater community support. Most recently, a Chief's Report was signed on August 26, 2024, for inclusion in the Water Resources Development Act of 2024 that recommended nonstructural measures for 2,052 residential buildings, 403 nonresidential buildings, and 27 Critical Infrastructure across six focus areas. Additionally, the Chief's Report recommended authorization of a nature-based solutions pilot program and a programmatic study authorization of nonstructural studies. As part of the ongoing feasibility effort, the Corps will assess additional nonstructural measures, including critical infrastructure, further define the nature-based solutions pilot program, and evaluate new coastal storm risk management alternatives for the county as part of a multiple-lines-of-defense approach to improving coastal resiliency. These efforts are planned to be captured in a future Chief's Report targeting for completion in August 2027.

FT. PIERCE SHORE PROTECTION PROJECT

A General Reevaluation Report (GRR) was completed by St. Lucie County and sent to Congress for approval. The approval of this GRR would extend federal participation for another 50 years. A letter report and National Environmental Policy Act (NEPA) document is scheduled to complete in early 2025 to support a final approval decision of the GRR by the Assistant Secretary of the Army (Civil Works). Additionally, a Project Cooperation Agreement (PCA) amendment with the local sponsor was completed on 20 August 2020, which extended the period of federal participation for 6 years.

PONTE VEDRA COASTAL STORM RISK MANAGEMENT PROJECT

Lt. Gen. Scott A. Spellmon, 55th Chief of Engineers and Commanding General of the U.S. Army Corps of Engineers, signed the Chief's Report April 18, 2024, for the Ponte Vedra Beach Coastal Storm Risk Management Study Report in a ceremony at USACE Headquarters in Washington, D.C. The three-year study, which began with the signing of a Federal Cost Sharing Agreement between USACE Jacksonville District and St. Johns Co., Florida, the non-federal sponsor, in April 2021, was designed to address the risk from coastal storms due to inundation, erosion and wave attack along the St. Johns Co. shoreline, which continues to threaten infrastructure and contribute to public safety hazards. The Chief's Report details the USACE plan to reduce coastal storm damages to residential and commercial structures, critical infrastructure, State Road A1A, and cultural and natural resources while reducing risk to life and safety in the study area. With the signing of the Chief's Report, the study's recommended plan will begin the process of federal review and congressional consideration for inclusion in the 2024 Water Resources Development Act legislation to fund implementation.

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ST. AUGUSTINE, FL BACK BAY FEASIBILITY STUDY

This study will identify and evaluate alternatives for an implementable solution for hurricane protection, storm damage reduction, beach erosion control, and other related purposes at St. Augustine, Florida. In partnership with the City of St. Augustine and its stakeholders, the study will explore effective, economically-viable and environmentally-sound solutions to mitigate risks and build enduring coastal resiliency - and amidst the potential impacts of sea level rise on the city's character and livability. As of August 2024, the team continues work towards establishing an initial array of alternatives. The final array of alternatives (scope decision point) is scheduled to complete in June 2025. The chief's report is scheduled to complete in September 2028.

COLLIER COUNTY COASTAL STORM RISK MANAGEMENT PROJECT

In April 2023, the Corps along with the non-Federal Sponsor, Collier County, reinitiated the Collier County Coastal Storm risk Management Feasibility Study. The purpose of the study is to identify coastal storm flood risks from coastal storm surge, to evaluate measures formulated to manage the risk of coastal storm surge flooding to residents, industries, businesses, and infrastructure, and to improve human safety and coastal resiliency in Collier County and connecting municipalities: City of Naples, and City of Marco Island. The Collier CSRM feasibility study was originally a three-year, three-million-dollar federally funded feasibility study that began in 2018 and was supposed to culminate with a completed and signed Chief's Report in October 2021. However, because of community and environmental agency concerns with the previous recommended plan, a time and funding policy exemption was requested to allow more time for the formulation of new alternatives. Following the approval of this exemption request in August 2022, the study kicked off again with a new three-year schedule and an additional $2.97 million. Currently, the main ongoing efforts are collaborating with Collier County and key stakeholders to identify the new Tentatively Selected Plan and obtain public comments on potential environmental impacts of the plan. The study is scheduled to conclude with a Chief of Engineers Report in August 2025.

KEY BISCAYNE COASTAL STORM RISK MANAGEMENT PROJECT

This study will develop proposals to reduce flooding caused by coastal storms, extreme high tides and future projected sea level rise in the study area; and explore opportunities to increase community resiliency from future coastal storms. The Fiscal Year 2023 Omnibus Work Plan, Public Law 117-328, appropriated $500,000 to conduct a feasibility study for coastal storm risk management in Key Biscayne, FL. Miami-Dade County and the Department of the Army executed a Feasibility Cost Share Agreement in November 2023. Study efforts are underway and will conclude with a Chief of Engineers Report in December 2028.

DAYTONA BEACH FLOOD RISK MANAGEMENT

The study will investigate, analyze, and propose alternative mitigation responses to chronic flooding within the study area. That area is bounded by the Nova Canal, Orange Avenue, Ridgewood Avenue and Beville Road. The boundary area is surrounded by higher ground, which creates a bowl-shaped topography that is highly susceptible to flooding during major storm events. The 2023 Disaster Relief Supplemental Appropriations Act, Public Law 117-328, enacted December 29, 2022, authorized the Government to conduct a feasibility study for flood damage reduction in Daytona Beach, Florida at full federal expense. The City of Daytona Beach and the Department of the Army execute a Feasibility Cost Share Agreement in January 2024. Study efforts are underway and scheduled to conclude with a Chief of Engineers Report in June 2025.

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CHARLOTTE COUNTY COASTAL STORM RISK MANAGEMENT PROJECT

In June 2024, the Corps along with the non-Federal Sponsor, Charlotte County, initiated the Charlotte County Coastal Storm risk Management Feasibility Study. This three-year study will identify coastal storm risks from coastal storm surge inundation, erosion and wave attack in Charlotte County and evaluate measures formulated to manage the coastal storms risks. This study is scheduled to conclude with a Chief of Engineers Report in June 2027.

ENGINEERING AND DESIGN:

NASSAU COUNTY SHORE PROTECTION PROJECT

Project was impacted by Hurricane Nicole in November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template have been initiated and a construction contract is scheduled to award in March 2025.

FT. PIERCE SHORE PROTECTION PROJECT

Plans and specifications for the 14th renourishment event are underway and scheduled to complete in September 2024. The contract is scheduled to award in November 2024.

ST. LUCIE COASTAL STORM RISK MANAGEMENT – SOUTH SEGMENT

Project was impacted by Hurricanes Ian and Nicole in September and November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template have been initiated. Rehabilitation contract strategy is to combine with Martin County, FL Shore Protection Project rehabilitation. Contract advertisement is anticipated in July 2025.

BREVARD COUNTY NORTH REACH

Project was impacted by Hurricanes Ian and Nicole in September and November of 2022. FY23 DRSAA Spend Plan identified supplemental operation and maintenance funding for rehabilitation of Brevard County Beaches due to hurricane impacts. Rehabilitation effort will be combined with Canaveral Sand Bypass contract. The contract is scheduled to award in September 2024.

MARTIN COUNTY SHORE PROTECTION PROJECT

Project was impacted by Hurricanes Ian and Nicole in September and November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template have been initiated. Rehabilitation contract strategy is to combine with St. Lucie CSRM South Segment rehabilitation. Contract advertisement is anticipated in July 2025.

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PALM BEACH COUNTY SHORE PROTECTION PROJECT (DELRAY)

Project was impacted by Hurricane Nicole in November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation of Delray and Ocean Ridge segments due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template have been initiated. Rehabilitation contract strategy is to combine with Palm Beach (Ocean Ridge) rehabilitation. Plans and specification are scheduled to initiate in October 2024.

PALM BEACH COUNTY SHORE PROTECTION PROJECT (OCEAN RIDGE)

Project was impacted by Hurricane Nicole in November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation of Delray and Ocean Ridge segments due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template have been initiated. Rehabilitation contract strategy is to combine with Palm Beach County (Delray) rehabilitation. Plans and specification are scheduled to initiate in October 2024.

PALM BEACH COUNTY SHORE PROTECTION PROJECT (MIDTOWN)

Project was impacted by Hurricane Nicole in November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template have been initiated. Rehabilitation contract strategy is to combine with St. Lucie CSRM South Segment rehabilitation. Contract advertisement is anticipated in summer 2025.

BROWARD COUNTY SHORE PROTECTION PROJECT – SEGEMENT II

Project was impacted by Hurricane Nicole in November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template are scheduled to initiate in October 2024.

DADE COUNTY COASTAL STORM RISK MANAGEMENT (BAL HARBOUR / MAIN SEGMENT)

Project was impacted by Hurricane Nicole in November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template are underway. Contract award is anticipated in December 2024.

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MONROE COUNTY

A Design Agreement was executed between the US Army Corps of Engineers and Monroe County in October 2023 which kicked off the Planning, Engineering and Design phase of the Monroe County, FL Coastal Storm Risk Management Project. The recommended plan includes shoreline stabilization in six different locations along U.S. Route 1 (Overseas Highway) that were identified as having risk of damage due to erosion and/or wave energy during a storm event, Dry floodproofing 53 critical infrastructure buildings that were identified at risk to damage from coastal storms and nonstructural measures to reduce coastal storm damage by elevating 4,698 residential structures and dry floodproofing 1,052 nonresidential structures at risk throughout the Keys. Nonstructural measures are applied to a structure to reduce damage from storm surge flooding. Participation is voluntary for the recommended nonstructural measures (elevation and floodproofing). A design kick off meeting was held in May 2024 and an initial site visit occurred in August 2024. The preliminary basis of design is scheduled to complete in summer 2025.

LEE COUNTY SHORE PROTECTION PROJECT (GASPARILLA ISLAND)

Project was impacted by Hurricane Ian in September of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template have been initiated with contract award scheduled to occur in September 2025.

SARASOTA COUNTY SHORE PROTECTION PROJECT (VENICE SEGMENT)

Project was impacted by Hurricane Ian in September of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation due to hurricane impacts. Plans and Specification to rehabilitate the project to full design template are scheduled to initiate in December 2024. A new borrow area(s) is required for this project.

PINELLAS COUNTY SHORE PROTECTION PROJECT (LONG KEY & TREAUSRE ISLAND)

The Pinellas County Beach Erosion Control Project was authorized by Section 101 of the Rivers and Harbors Act of 1966, Public Law 89-789. Plans and specifications were developed for the Treasure Island and Long Key segments for contract advertisement in 2023 using FY22 Spend Plan BIL funds (Public Law 117-58). Sand sources were Johns Pass, Pass-a-Grille, and Blind Pass. The project is currently on hold pending acquisition of remaining perpetual easements for all three segments. Pinellas County is currently constructing a portion of the federal project on Pass-a-Grille within the Long Key Segment. The Pinellas County Shore Protection Project Feasibility Study concluded with a signed Chief's Report on 29 October 2021. The project was authorized in Public Law No: 117-263, Water Resources Development Act (WRDA) 2022 with recommendations for Long Key and Treasure Island. To-date, no work has been initiated under this authorization.

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CONSTRUCTION:

DUVAL COUNTY SHORE PROTECTION PROJECT

After being impacted by Hurricanes Ian and Nicole in September and November of 2022 the project qualified for Flood Control and Coastal Emergency (FCCE) rehabilitation under Public Law 84-99. A contract for FCCE rehabilitation was awarded to Great Lakes Dredge and Dock on 18 Dec 23. The contract is scheduled to complete in August 2024.

ST. JOHNS COUNTY COASTAL STORM RISK MANAGEMENT PROJECT (VILANO AND SOUTH PONTE VEDRA)

After being impacted by a Nor'easter in 2021 and receiving approval for Flood Control and Coastal Emergency (FCCE) rehabilitation under Public Law 84-99, the project was impacted again by Hurricanes Ian and Nicole in September and November of 2022. The project qualified for FCCE rehabilitation assistance under Public Law 84-99. A contract for FCCE rehabilitation was awarded to Weeks Marine on 30 June 2023 and completed in April 2024. Post construction environmental monitoring is underway.

ST. JOHNS COUNTY FL SHORE PROTECTION PROJECT (ST. AUGUSTINE BEACH)

After being impacted by Hurricanes Ian and Nicole in September and November of 2022 the project qualified for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. A contract for FCCE rehabilitation was awarded to Great Lakes Dredge and Dock 29 Sep 2023. The contract is scheduled to complete in September 2024.

FLAGLER COUNTY SHORE PROTECTION PROJECT

Initial construction of the Flagler County Shore Protection Project began late June 2024 . The contract was awarded to Weeks Marine 2 May 2024 and is scheduled to complete in September 2024.

BREVARD COUNTY MID REACH

Project was impacted by Hurricanes Ian and Nicole in September and November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation of Brevard County Beaches due to hurricane impacts. The rehabilitation contract is combined with Brevard County South Reach. The contract was awarded to Dutra Group in September 2023. The first season of dredging completed in March 2024 and the second season of dredging and beach placement is forecasted to start in November 2024 and complete in April 2025.

BREVARD COUNTY SOUTH REACH

Project was impacted by Hurricanes Ian and Nicole in September and November of 2022. The project has met the criteria outlined in USACE Engineer Regulation (ER) 500-1-1 and qualifies for Flood Control and Coastal Emergency (FCCE) rehabilitation assistance under Public Law 84-99. The post storm project information report was approved by USACE Headquarters in July 2023. FY23 DRSAA Spend Plan identified supplemental funding for rehabilitation of Brevard County Beaches due to hurricane impacts. Rehabilitation contract is combined with Brevard County Mid-Reach. The contract was awarded to Dutra Group in September 2023. The first season of dredging completed in March 2024 and the second season of dredging and beach placement is forecasted to start in November 2024 and complete in April 2025.

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BROWARD COUNTY SHORE PROTECTION PROJECT - SEGMENT III

The contract for the Broward County SPP Segment III was awarded to Continental Heavy Civil Corporation for $37,348,064 on 23 February 2021. Notice to Proceed was issued on 15 July 2021 and construction began November 2021 and completed in April 2024.

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Florida Department of Environmental Protection (FDEP) Office of Resilience and Coastal Protection September 2024 Updates

Beach Management Funding Assistance

The Florida Department of Environmental Protection (DEP) received 57 applications, totaling $122,114,078.63, for state cost-sharing funding for Fiscal Year (FY) 2025-26. Forty-six were for beach projects ($66,119,007.46) and 12 were for inlet projects ($55,995,072.17). Staff are currently reviewing applications, but here is the anticipated schedule:

FY 2025-26 Local Government Funding Request (LGFR) Schedule:

Entity	Task	Due Date
DEP	Draft project assessments released	9/3/2024
Sponsor	Local sponsor comments due	9/24/2024
Sponsor	Signed Resolution due	9/24/2024
DEP	Final project assessments released	10/8/2024
DEP	Draft LGFR released for external review team	10/22/2024
DEP	External review team comments due	11/5/2024

Hurricane Debby

On Aug. 5, 2024, Hurricane Debby made landfall as a Category 1 hurricane in the Big Bend region of Florida. Immediately after landfall, teams from DEP's Coastal Engineering and Geology Group were deployed in the field to assess hurricane impacts in Taylor, Dixie and Levy counties in the Big Bend region and Pinellas County in southwest Florida. Additional surveys were conducted in southwest Florida from Pinellas through Collier counties by the Beaches Field Inspectors with assistance from DEP's Aquatic Preserve staff. The teams documented beach and dune erosion conditions as well as structural damages within the Coastal Building Zone. In the Big Bend region, waterfront wave damages and minor armoring damages were observed at Horseshoe Beach in Dixie County. In the southwestern counties, mostly minor beach and dune erosions were evident (condition I and II) with occasional moderate erosion conditions (condition III) in a few locations.

Inlet Management Plan

In August of 2024, the Pensacola Pass Inlet Management Plan (IMP) was published on DEP's website. The IMP establishes strategies to best manage sand bypassing activities for placement of beach quality sand on adjacent eroding beaches of inlet or pass.

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New Team Member: Introducing Ahsan Habib

Ahsan Habib, Ph.D., is a Coastal Engineering Specialist working for DEP's Office of Resilience and Coastal Protection. He holds a Ph.D. in Ocean Engineering from the Florida Institute of Technology (FIT) and has expertise in numerical modeling of coastal and estuarine processes, data analytics, process automation and programming. In his current position, Ahsan is responsible for conducting coastal engineering reviews of beach and inlet management projects, developing guidelines for shoreline and inlet monitoring, and analyzing historical shoreline changes, erosion projections and post-storm impacts on coastal resources.

Resilient Florida (RF) Program Assistance and Announcements

The Focus on Florida's Future Budget for FY 2024-25 includes $225 million in funding for the RF Program. Recently, DEP published the projects included on the 2024-2025 Statewide Flooding and Sea Level Rise Resilience Plan Projects on ProtectingFloridaTogether.gov. An additional 184 applications were received for funding consideration for FY 2025-26, for a total request of $1.16 billion. RF Program staff will score and rank the projects according to statutory and rule criteria. A FY 2025-26 Statewide Resilience Plan will also be prepared and sent to the state Legislature by Dec. 1 for funding consideration.

Florida Coastal Management Program (FCMP) Announces Coastal Partnership Initiative Grant Opportunity

The FCMP Program is pleased to announce the opening of the FY 2025 Coastal Partnership Initiative (CPI) grant opportunity. This grant program is designed to support local governments and communities in their efforts to protect, enhance and restore Florida's coastal resources. The application period for the CPI grant opened on Sept. 1, 2024 and will close on Oct. 31, 2024. For more information, visit DEP's FCMP webpage.

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Shoreline

A monthly electronic publication of the Florida Shore & Beach Preservation Association.

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CALENDAR OF EVENTS

FSBPA Events

September 11-13, 2024
3rd Annual Florida Resilience Conference
featuring the 67th FSBPA Annual Meeting
Hyatt Regency Coconut Point, Bonita Springs, FL

February 5-7, 2025
38th Annual National Conference on Beach Preservation Technology
Embassy Suites by Hilton Panama City Beach, FL

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