



Join us for the 2021 Annual Conference

The 64th Annual Conference kicks off in just six weeks and the FSBPA Board of Directors and staff are thrilled about returning to the Opal Grand Oceanfront Resort in Delray Beach. We are even more excited about the conference program replete with policy, funding and project discussions from federal, state, and local government representatives, academics, coastal engineers, and environmental scientists. This year's program includes many outstanding speakers including the distinguished Chairman of the Appropriations Subcommittee on Agriculture, Environment, and General Government and longtime supporter of funding for the statewide beach management program, Senator Ben Albritton, and the new Commander of the USACE Jacksonville District, Colonel James L. Booth. Additional conference highlights are provided in the following pages. We hope you will take some time to review the schedule and [register early to save \\$50](#) on your registration. Also, we hope to have a huge announcement any day regarding a new educational track on statewide resilience, so stay tuned.



Photo courtesy of Palm Beaches

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64th Annual Conference Program Highlights and Schedule at a Glance

The 2021 Annual Conference program will be offered in-person and virtual due to continuing concerns of the COVID-19 pandemic. Although the option for virtual attendance is available, the feedback for in-person attendance is resoundingly positive, including responses from our speakers. Nearly every speaker is planning to present live at the venue! It is almost like old times, except with the benefit of a media team onsite to help with the presentations. As always, your health and safety remain our top concern.

Program Highlights

- ◆ 2021 Keynote Speaker, Senator Ben Albritton, District 26, Chair of the Appropriations Subcommittee on Agriculture, Environment, and General Government
- ◆ USACE Jacksonville District Commander's Update by Colonel James L. Booth
- ◆ A Welcome from Palm Beach County and the City of Delray Beach with a comprehensive review of their beach and inlet management programs dating back 50 years
- ◆ A historical prospective of sediment management at the South Lake Worth Inlet accompanied by a guided field trip to the Sand Transfer Plant
- ◆ Comprehensive discussions about effective beach management strategies from local governments and their partners
- ◆ Emerging policy and funding presentations from the Florida Department of Environmental Protection and U.S. Army Corps of Engineers
- ◆ Waves: The Rainbow in the Ocean, Part #3 in the Dr. Science series by Kevin Bodge
- ◆ A Friday agenda focused entirely on coastal resilience and climate change initiatives and studies



64th Annual Conference - Schedule at a Glance *

Wednesday, September 15

1 pm-5:30 pm Opening General Session
5:00 pm Keynote Speaker Florida Senator Ben Albritton, District 26
5:45 pm Welcome Reception

Thursday, September 16

7:45 am Coffee and Professional Exchange Break
8:15 am-12:05 pm General Session
12:10 pm Annual Membership Meeting (until adjourned)
 Lunch-on your own
1:45 pm Field trip to the Sand Transfer Plant
6:30 pm-9:00 pm Cash Bar and Awards Banquet

Friday, September 17

7:30 am Breakfast Buffet
8:15 am - 12:25 pm Closing General Session

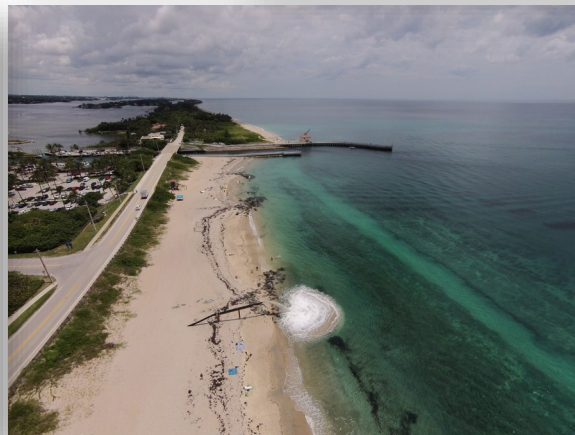
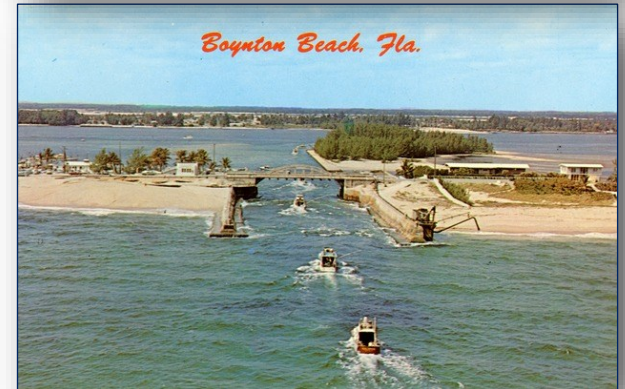
** times are subject to change*



Field Trip: Thursday, September 16
Reservation required, limited to 50 attendees
Times available: 1:45 pm and 3:00 pm
To reserve your spot, email mail@fsbpa.com

Palm Beach County invites conference attendees on a Thursday-afternoon field trip to the South Lake Worth Inlet Sand Transfer Plant, located approximately 6 miles north of the Opal Grand Resort. This unique opportunity will include a tour and demonstration of the Plant's typical operations. Attendees will need to arrange their own transportation and parking is available at the County's Ocean Inlet Park on the west side of A1A adjacent to the inlet.

Construction of the South Lake Worth Inlet (aka Boynton Inlet) began in 1925 and was completed in 1927 to alleviate worsening water quality conditions in Lake Worth as development in the region rapidly increased. This area of Florida's coast is subject to significant natural southerly transport of sand, making maintenance of inlets difficult for coastal managers. The original fixed sand transfer plant was constructed in 1937 to cope with significant shoaling inside of southern Lake Worth Lagoon; it was the first such plant in the world and has undergone a number of design iterations to improve efficiency over the past 84 years. The current Sand Transfer Plant was constructed in 2009 at a location 118 feet seaward of the original plant. At an average bypassing cost of approximately \$5 per cubic yard over the past 20 years (relative to ~\$23/cy for maintenance dredging of the interior sand trap), the Plant is a critical component in the County's strategy of consistently and efficiently maintaining this stable inlet over the long term.



Why I will be attending the Annual Conference

Last year, FSBPA's first ever hybrid conference gave us the opportunity to stay connected and focused on the importance of beach preservation and project funding during the pandemic. Our collective efforts of advocating for healthy beaches at the conference and throughout the year were recognized with the Florida Legislature's record level funding of the beach program. The commitment from our state leaders reinforces that the work we do is indeed a statewide priority. I hope you will join us in Delray Beach and that we have another opportunity to work together on a renewed message that Florida's beaches are a pillar of our economy and an irreplaceable natural asset. Given the excellent speakers, program, and venue, the 2021 conference is shaping up to be another outstanding event, and I look forward to seeing you there.

Don Donaldson, FSBPA Chair and Martin County

Looking forward to attend the conference in person this year. Even with COVID there is a lot of beach work, both planning and construction, going on around the State as well as some regulatory and grant changes that are critical to stay on top of. Always a great opportunity to learn from others and benefit from the face to face meetings with coastal consultants and many of our regulatory and funding partners in an informal setting.

Tom Harmer, FSBPA Director and Town of Longboat Key

Register Today

Save \$50 if you register by August 13, 2021

Hotel Reservations
Opal Grand Beach Resort
Group Rate: \$169* plus tax
[click here to reserve now](#)

To ensure that a room is available, reservations must be made by August 14, 2021. After this date, rooms may not be available.

Thank you to the our Conference Sponsors!

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Friday morning Breakfast Break



Ice Cream Social and Thursday Beverage Break

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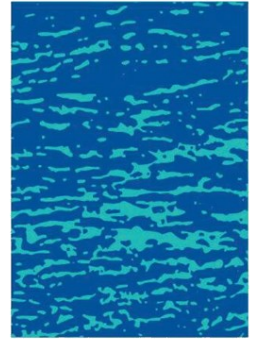


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Things to do in Delray Beach

There are many things to do, places to see, and shops to visit, and it is our recommendation to take the time to enjoy your stay in Palm Beach County. The main attraction is always **The Beach!** As my first beach boss Phil Flood would say about Delray, this is the poster child of beach projects! (You will learn why in the opening session.) A stroll along the Delray Beach's shoreline may be just what you need to press forward through the week's events.

Two notable nearby attractions are the [Gumbo Limbo Nature Center](#). Many of you should remember that our past-Chair Leanne Welch took the envious role of managing this beautiful facility and she would be delighted to see you. The other attraction is within walking distance from the conference hotel, and is the Sandoway Discovery Center – a local favorite and only a short walk away. From what I hear, there are more than a few great watering holes nearby.

For the rundown of local restaurants and other attractions, visit the [The Palm Beaches website](#). So much to see – so little time.





*35th National Conference on
Beach Preservation Technology*
February 2-4, 2022 - St. Augustine Embassy Suites

Call for Abstracts
Due: October 4, 2021

We welcome abstracts on the topics listed below:

- Shore Protection Projects and Coastal Management
- Coastal Research and Environmental Science
- Coastal Resilience, sea level rise, and nuisance flooding
- Sand source availability and regional sediment management
- Regional comprehensive coastal studies
- Beach and nearshore hydrographic surveying advancements and drone technology
- Dredging technology
- Coastal hazard and infrastructure management
- Coastal management policy decisions and lessons learned
- Living shorelines, seagrass and habitat creation
- Coastal pier construction projects
- Beach operations and maintenance
- Red tide and other Harmful Algal Blooms
- Storm surge modeling

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Federal Project Status Update- August 2021



US Army Corps
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PLANNING STUDIES:

Dade County Feasibility Study

The purpose of this study is to address protection of critical infrastructure, reduction of structure damages, and evacuation route protection in response to the risks and effects of coastal storms and associated impacts such as sea level rise, storm surge, and extreme wind and tidal effects. A waiver package for a 1-year time extension was approved by the Assistant Secretary of the Army in November 2020. This extension pushed milestone dates back by 1 year and so the tentatively selected plan will be completed in August 2021.

South Atlantic Coastal Study

The South Atlantic Coastal Study (SACS) is a study authorized by the Water Resources Development Act (WRDA) 2016. This study will identify coastal risk and vulnerabilities due hurricane and storm damage as a result of sea level rise in regions from North Carolina to Mississippi. This study is expected to take 4 years to complete and is expected to identify the reconnaissance-level analysis of coastal risk and vulnerability as well as potential solutions to be studied in greater detail in the future. The Tier 1 analysis for SACS, which includes a geoportal that shows risk for the coastal areas in the South Atlantic Division, has been completed. Work on the Tier 2 analysis, which focuses on more detailed analyses is being conducted.

Ft. Pierce Shore Protection Project

A General Re-evaluation 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. 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.

Lee County Shore Protection Project – Gasparilla Island

The Lee County Shore Protection, Gasparilla Island Segment, has been approved by ASA(CW).

Pinellas County Shore Protection Project

The Pinellas County Feasibility Study is ongoing. The Tentatively Selected Plan was presented in May 2020. The team received comments from the general public during a review period which concluded on 4 September 2020. The PDT is addressing comments from the policy team and general public.

St. Johns County North Ponte Vedra Coastal Storm Risk Management Project

The purpose of this study is to address protection of critical infrastructure, reduction of structure damages, and evacuation route protection in response to the risks and effects of coastal storms and associated impacts such as sea level rise, storm surge, and extreme wind and tidal effects in the vicinity of North Ponte Vedra Beach for the next 50 years. The public feedback period as part of the National Environmental Policy Act (NEPA) concluded on 29 July 2021.

ENGINEERING AND DESIGN:**Dade County Renourishment**

There are separate contracts being prepared over the next 3 years. Contract A covers a truck haul project to Surfside Beach. Contract B is a truck haul to Miami Beach Hot Spots. Contract C is the renourishment of Bal Harbour. Contract D will cover Sunny Isles and Contract E will cover the remaining portion of Miami Beach. Contracts A and B construction have been completed. Contract C was awarded in July 2021 for \$8 million to Cavache Inc. Contract D was awarded in January 2021 to Eastman Aggregates Enterprises for \$14,040,069. Work on Contract D is ongoing. Contract E is expected to be awarded in late July 2021.

Flagler County Shore Protection Project

The design of the plans and specifications for the Flagler County Shore Protection Project are being development. Local sponsor is obtaining required perpetual real estate easements.

St. Lucie Coastal Storm Risk Management – South Segment

This is a new project that will be funded with funds from the supplemental bill. Plans and specifications were started in September 2018 however St. Lucie County has requested the project to be pushed back by 2 years due to concerns with real estate and the need to obtain the required non-federal funding. Advertisement for this contract is expected to occur in September 2021.

CONSTRUCTION:**Brevard County North Reach**

Brevard North Reach received funding from Congress in the Fiscal Year 2020 workplan. The contract was advertised in September 2020. Construction commenced on 1 April 2021 and was completed on 30 April 2021.

Brevard County South Reach

Brevard County South Reach contract was awarded on 20 September 2019 to The Dutra Group. South Reach has eroded significantly due to high tides and nor'easters and additional work funds may be required to complete the project. Beach placement began in December 2020, and construction was completed on 30 April 2021.

Brevard County Mid Reach

The contract for Brevard County Mid Reach was awarded on 20 September 2019 to The Dutra Group. A revised request for proposal was sent to the contractor for additional volume quantities for Mid Reach due to erosion due to hurricane Dorian. Construction was completed in May 2020.

Brevard County Patrick Air Force Base (AFB)

The Patrick AFB Option was advertised with the Brevard Mid and South Reach contract and awarded to The Dutra Group on 20 September 2019. The project was paused in April 2020 due to Covid-19 impacts and resumed in December 2020. Beach placement for Patrick AFB was completed in February 2021. Planting of dune vegetation was completed in April 2021.

Broward County Shore Protection Project - Segment II

The contract for the Broward County SPP Segment II was awarded to Eastman Aggregates on 11 January 2021. Notice to proceed was issued on 26 January 2021 and the contractor plans to mobilize in March 2021, with demobilization by 20 April 2021. Beach placement was stopped on 30 April due to the turtle nesting season and work will resume in November 2021.

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 is scheduled to begin in November 2021. All work for the contract must be completed by 30 April 2023.

Ft. Pierce Shore Protection Project

Advertisement for the upcoming construction event was issued on 21 August 2020 and award occurred on 28 September 2020. The contract was awarded to Great Lakes Dredge & Dock Corp. for \$8.5 million. The contract was substantially completed on 14 May 2021.

Manatee County Shore Protection Project

The 3rd renourishment of the Manatee County SPP was completed on 31 December 2020.

Palm Beach County Shore Protection Project

Jupiter Carlin: Construction is completed on 17 March 2020.

Ocean Ridge: Construction completed on 27 March 2020.

Delray Beach: Construction completed on 13 March 2020.

North Boca Raton: Construction completed on 30 April 2020.

Mid-town: Construction was completed on 15 May 2020.

Sarasota County - Lido Key

Construction contract was awarded on 19 March 2020 to Cottrell for \$12 million. Dredging is started in August 2020. The first of two groins is under construction. Groin construction was completed in April 2021. Post-construction monitoring is ongoing.

St. Johns County Coastal Storm Risk Management Project – Vilano and South Ponte Vedra

The contractor has completed all dune vegetation planting. Post-construction monitoring report is underway.

FDEP Office of Resilience and Coastal Protection Updates - August 2021



Updated Version of “Critically Eroded Beaches” Now Available

The 2021 update of [the Critically Eroded Beaches](#) report is now available at [Critically Eroded Beaches](#).

Monitoring reports, studies and survey data indicated that critical erosion has expanded in a southerly direction on Casey Key in Sarasota County (0.6 mile), and new segments were added in Volusia County (1.2 mile) and Broward County (0.6 mile). Additional measurements were made in the Florida Keys with GIS maps to provide more precise distances resulting in greater lengths for the existing critically eroded areas (1.2 mile).

The 2021 list includes 426.6 miles of critically eroded beach, 9.1 miles of critically eroded inlet shoreline, 88.7 miles of non-critically eroded beach and 3.2 miles of non-critically eroded inlet shoreline statewide.

Join the Coastal Resilience Forum featuring the Sea Level Impact Projection (SLIP) Tool Launch

WHAT: Florida Resilient Coastlines Program Quarterly Resilience Forum
WHEN: Wednesday, Aug. 4, 2021
9 to 11 a.m. ET
WHERE: Virtually on Microsoft Teams
CONTACT: Emma.Huggins@FloridaDEP.gov

The Florida Resilient Coastlines Program is hosting its third quarterly Coastal Resilience Forum of 2021 on Wednesday, Aug. 4. This will be an informative event with three presentations and a wide variety of topics. The agenda includes:

- Assess Vulnerability of Onsite Treatment and Disposal Systems (OSTDS) to Sea Level Rise and Storm Surge to Develop Adaptation Plans (Phase 1) – Tricia Kyzar, Jessica Beach and Eban Bean, University of Florida and the city of St. Augustine.
- Get to Know the Program for Local Adaptation to Climate Effects: Sea Level Rise (PLACE:SLR) – Renee Collini, PLACE:SLR.
- SLIP Tool Launch – Florida Department of Environmental Protection (DEP).
- FRCP updates, including information on the Resilient Florida Grant Program and a demonstration of the new story map.
- Forum member announcements and updates.

[Registration for the Aug. 4, 2021 forum is now open.](#)

If you would like to present at a future meeting or if you have an agenda item or announcement, please contact Emma Huggins at Emma.Huggins@FloridaDEP.gov.

Resilient Florida Grant Applications Now Being Accepted

The Florida Department of Environmental Protection is seeking project proposals for the Resilient Florida Grant Program. Visit the [Project Portal](#) to add your project proposal by September 1, 2021. The Resilient Florida program includes a selection of grants available to counties, municipalities, water management districts, flood control districts and regional resilience entities. To effectively address the impacts of flooding and sea level rise that the state faces, eligible applicants may receive funding assistance to analyze and plan for vulnerabilities, as well as implement projects for adaptation and mitigation. Proposals will be screened for submission to one of the three Resilient Florida grant types: planning, implementation/adaptation and regional resilience entities. Ranked projects will be submitted to the Legislature by December 1, 2021.

Please refer to section 380.093 Florida Statutes for more information on available grant programs, definitions and required parameters. Questions may be directed to Resilience@FloridaDEP.gov.

Guidance on Seagrass Surveys Now Available

Guidance documents describe DEP-approved monitoring protocols for submerged aquatic vegetation (SAV) for various scenarios (e.g., planning and permitting, documenting potential secondary impacts, documenting the success of compensatory mitigation projects). These guidance documents make the regulatory process more efficient, predictable and consistent.

A [webinar on “Guidance for Surveying Submerged Aquatic Vegetation”](#) is now available. PDF copies of the two documents are available:

- Guidance on Surveys for SAV Mitigation: <https://floridadep.gov/rcp/beaches-inlets-ports/documents/guidance-surveys-submerged-aquatic-vegetation-compensatory>
- Guidance on Surveys for Potential Impacts to SAV: <https://floridadep.gov/rcp/beaches-inlets-ports/documents/guidance-surveys-potential-impacts-submerged-aquatic-vegetation>

New Team Member!

Shamim Murshid, Ph.D., is a Coastal Engineering Specialist working for the Florida Department of Environmental Protection’s Office of Resilience and Coastal Protection. His area of expertise includes numerical modeling of coastal hydro-morphodynamics, hydrographic data analysis and beach erosion assessment. At his current position, Shamim is responsible for conducting coastal engineering reviews of beach and inlet management projects as well as evaluating post-storm impacts of major storm events on coastal construction, beach and dune resources.

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Shoreline

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

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CALENDAR OF EVENTS**FSBPA Conferences**

September 15-17, 2021

64th Annual Conference

Opal Grand Oceanfront Resort, Delray Beach, Florida

February 2-4, 2021

35th Annual Tech Conference

Embassy Suites by Hilton, St. Augustine Beach, Florida



35th National Conference on Beach Preservation Technology
 February 2-4, 2022 - St. Augustine Embassy Suites

Other Dates of Interest

ASBPA National Coastal Conference

September 28-October 1, 2021

New Orleans, LA

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