

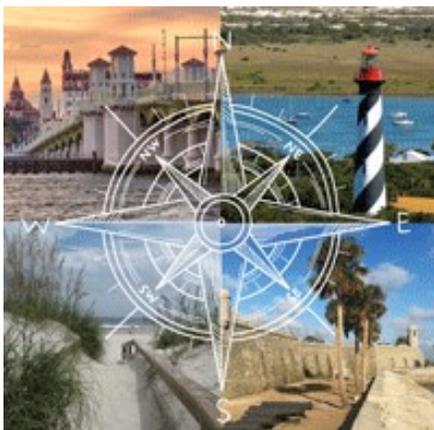
2019 National Conference on Beach Preservation Technology

February 6-8

St. Augustine Beach Embassy Suites

**Conference Registration
is now open**

Reserve your hotel room today!



A Message from FSBPA's Incoming Chair - Laird Wreford



Laird Wreford is the Coastal Initiatives Manager for Sarasota County and has served on the FSBPA Board of Directors since 2014. Laird previously served on FSBPA's nominating and awards committees, volunteered as conference moderator, and now he's agreed to serve as our Chairman in 2019. Please join us in welcoming Laird and take a few moments to [learn more](#) about him and why he's excited about this new role.

Meet the 2019 FSBPA Board of Directors

At the September 20, 2018, annual business meeting, we elected four new board members to serve a three-year term beginning in 2019. To read about our new board members, [click here](#)

Canaveral Harbor Sand Bypass Construction

by Kevin Bodge, Ph.D., P.E.
President, Olsen Associates Inc.

The fifth construction of the Canaveral Harbor Sand Bypass Project and the largest by almost twice the volume of the last two events, begins the first week of December. Follow this [LINK](#) to learn more about the project.



US Army Corps
of Engineers®

Jacksonville District

**U.S. Army Corps of
Engineers Hosts a Trio
of NEPA Scoping
Meetings**



FDEP Updates

*Updates provided by
Division of Water Resource
Management*

A Message from FSBPA's Incoming Chair - Laird Wreford



As we approach the beginning of 2019, I do so with a real sense of excitement! First, on a personal level, I am embarking on my first term serving as the FSBPA Chair. I have been attending the conferences for more years than I care to remember, and have had the privilege of serving on the Board of Directors in recent years. But throughout the entire time, I have been repeatedly impressed by the countless benefits FSBPA has provided to the coastal communities of Florida, in terms of beach funding, legislation and coastal management. So you can imagine how honored (in fact, humbled) I am to now serve as the Chair of this magnificent organization!

Second, I am excited about following on the heels of two consecutive years of unprecedented beach funding – in excess of \$50M, rather than the \$30M or less in preceding years. We need to keep this ball rolling in 2019, and continue to chip away at the backlog of unfunded projects. As your incoming Chair, I urge each of you to continue your advocacy efforts – with your local elected officials and your legislative delegation – to provide them the information they need to understand the importance of beaches and the critical need to secure annual dedicated funding.

Looking to the future, one of the greatest challenges we need to face is supply of beach nourishment sand. As more and more communities are turning to beach nourishment as a shoreline remedy, offshore submerged sand deposits are becoming scarcer, depleted and farther offshore. This not only makes these projects more difficult, but also significantly more expensive. With rapidly increasing demand and steadily decreasing supply, something's got to give. As coastal managers, we must 1) find ways to work more collaboratively, to make the most of the existing remaining sources of suitable sand; and 2) become more innovative and flexible in finding alternatives to offshore submerged sand.

Finally, the most important way that 2019 will be unique is this: At some point during the year, for the first time in a very long time, the FSBPA President will be someone other than Debbie Flack. When that time comes, Debbie will be missed more than any of us can express. What she has accomplished for FSBPA, for beaches, for coastal management, for the citizens of Florida is astounding and immeasurable – and never with self-promotion. This is why she is and will always be my Life-Hero (a sentiment shared by many!) We owe her a debt of gratitude that can never be repaid. Heart-felt thanks and kudos to you, Debbie Flack! We wish you the very best, in your future life and endeavors.

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MEET OUR NEW CHAIR

Laird grew up in the Detroit area in Michigan, but has been a Sarasota County resident for the past 40 years – 37 years of which working for Sarasota County in various environmental programs and positions. He has a Bachelor of Science degree in Biology from the Univ. of Michigan, and an MBA degree from the Univ. of South Florida. In his current position, Coastal Initiatives Manager, Laird is responsible for managing an array of coastal programs, including beach and inlet management projects. This position has exposed him to a number of interesting and diverse efforts, such as preparing a county-wide post disaster redevelopment plan, and serving as the central RESTORE Act coordinator for the county.

Laird and his wife Bridget have two grown children – a son living in Houston and a daughter living locally, in the neighboring county to the north. His daughter has also provided Laird with his current greatest joy - two beautiful grandchildren: a six-year-old grandson and a granddaughter who is two-and-a-half. As he will happily tell anyone who is willing to listen, “As much as I love my job and serving my community, my greatest role and joy by far is being Grandpa!”



Laird Wreford, MC for the South Siesta Key Beach Nourishment project ribbon-cutting ceremony, 2016

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Meet the 2019 FSBPA Board of Directors

It is our pleasure to introduce four new members to the FSBPA Board of Directors who will be serving their first three year term beginning January 2019. Our new members are Jennifer Bistyga, City of Boca Raton, Coastal Program Manager; Marina Blanco-Pape, Miami-Dade County, Division Director, Water Management, RER-DERM; Jay Brawley, P.E., St. Johns County, County Engineer; and Emily Lewis, Charlotte County, Legislative Manager. Retiring board members include Steve Boutelle, Alex Davis Shaw, James Gray, and Dr. Jim Houston. Thank you for your service to the Board of Directors and this Association!

Now, let's meet our new members.



Jennifer Bistyga
Coastal Program Manager
City of Boca Raton

Jennifer Bistyga has been the Coastal Program Manager for the City of Boca Raton for over 12 years. Ms. Bistyga is responsible for the City's on-going beach renourishment program including overseeing the dredge division and the continuous dredging of the Boca Raton Inlet. Ms. Bistyga is also the project manager for a number of waterfront park development projects including the Lake Wyman and Rutherford Park Restoration Project, Wildflower Park development and the redesign of the Silver Palm Park and boat ramps. Prior to working for the City, Ms. Bistyga worked as a coastal engineer for a private consulting firm as a project manager for beach nourishment projects throughout the state of Florida as well as the project manager for an artificial reef construction project in the Florida Keys. Jennifer has a bachelors degree in Ocean Engineering from Florida Institute of Technology and a MBA with an emphasis on Public Administration.



Marina Blanco-Pape, P.E.
Water Management Director,
Miami Dade County RER,
DERM

Marina Blanco-Pape is the Water Management Director for the Miami Dade County Department of Regulatory and Economic Resources (RER), Division of Environmental Resources Management (DERM). She has a Bachelor of Architecture and a Master's of Science in Mechanical Engineering, both from the University of Miami. Ms. Blanco-Pape is a licensed Professional Engineer and a Stormwater, Erosion, and Sedimentation Control Inspector, in the State of Florida.

Ms. Blanco-Pape has over thirty years of experience in professional engineering practice and senior management. Her experience includes leadership positions in engineering and architectural consulting; stormwater, water, wastewater, and electric utilities; in regulatory and transit agencies; and in two universities. She has extensive experience in industrial, commercial and residential mechanical, civil and architectural design; beach and coastal

engineering; Stormwater modeling, planning and engineering; construction management; contracts administration, negotiations, bidding, and claim resolution; program and project management; permitting, negotiations and reporting to regulatory agencies such as the USEPA, FEMA, USDA- NRCS, USACE, FTA, FDEP, SFWMD and FDOT.

Ms. Blanco-Pape has managed large engineering programs including the \$174 million Miami-Dade County Water and Sewer Consent Decree/Settlement Agreement Pump Station and Sewer Collection Rehabilitation Program mandated by the USEPA in the 1990's; the \$235 million Miami-Dade County Secondary Canal Dredging Program including dredging, bank stabilization, and culvert replacement cost shared by FEMA, State and local funding after Hurricane Irene and the No-Name Storm in 1999 and 2000, respectively; the Local Sponsor partnership on the \$90 million US Army Corps of Engineers Miami River Dredging; the \$50 million Miami-Dade County's Beach Renourishment Program; and the \$31 million Miami-Dade County's Stormwater Utility with over 260,000 customers.



Jay Brawley, PE, AICP
County Engineer
St. Johns County



Jay Brawley is a licensed professional engineer and certified land planner (no, that is not entirely a paradox!) with more than 20 years experience in water resources, coastal resiliency, and community development and planning. His career has been equally split as a private consultant and public servant. Prior to joining St. Johns County in August 2016, he was the Bureau Chief of District Projects at St. Johns River Water Management District, where he contributed to numerous restoration projects that spanned 18 counties in Florida.

Jay is a native Floridian who grew up on the Gulf Coast (Naples) and has called the Atlantic Coast (St. Augustine) his home for the last 10 years. Protecting and preserving coastal and water resources are personal and professional endeavors. As the County Engineer for St. Johns County, his goal is to establish a resiliency framework, not only for the County, but in collaboration with neighboring counties, and through FSBPA, the state.

An avid salvage diver, Jay is always on the hunt for treasure in Florida's waters. His wife, Cathy, continues to wait for the bounty (beyond pottery shards, cannon balls, and bronze spikes) and has enticed him to be a land lover too. They are now on a mission to explore each Florida state park, for starters, with their travel trailer in tow.

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Emily S. Lewis
Legislative Manager
Charlotte County

Emily Lewis joined the Charlotte County Board of County Commissioners in 2006 and currently works in Administration as the Legislative Manager. In this role, Emily is responsible for developing both the state and federal legislative programs for the Board of County Commissioners and directing the County's state and federal lobbying efforts. Emily is a diligent advocate for the interests of Charlotte County in Tallahassee and Washington, DC.

Emily holds a Bachelor's in Business Administration from the University of Florida and a Master's in Public Administration from Hodges University. She has been recognized as one of Gulfshore Business Magazine's Top 40 under 40 in Southwest Florida. Emily is currently an affiliate member of both the International City/County Managers Association (ICMA) and the Florida City County Manager's Association (FCCMA) and serves on FCCMA's legislative committee. She is also a graduate of the Emerging Leaders program through ICMA.

Emily is a fourth-generation Floridian and currently resides in Punta Gorda, Florida with her husband and three children. She and her husband are committed to passing on their love and appreciation for the outdoors to their children and they enjoy spending time at many of the gulf beaches and state parks.

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2019 Board of Directors

Officers for 2019

Laird Wreford (Sarasota County): **Chair**
Gary McAlpin (Collier County): **Vice-Chair**
Virginia Barker (Brevard County): **Secretary-Treasurer**

These officers and the past chair, Don Donaldson (Martin County), will serve as the Executive Committee for 2019.

Board of Directors

Jennifer Bistyga, City of Boca Raton
Marina Blanco-Pape, Miami-Dade County
James Brawley, St. Johns County
Don Donaldson, Martin County
Charlie Hunsicker, Manatee County
Emily Lewis, Charlotte County
Tamara Pigott, Lee County Visitor & Convention Bureau
Nicole Sharp, Broward County
Marty Smithson, Sebastian Inlet District
Andy Squires, Pinellas County

Ex-Officio Board Members

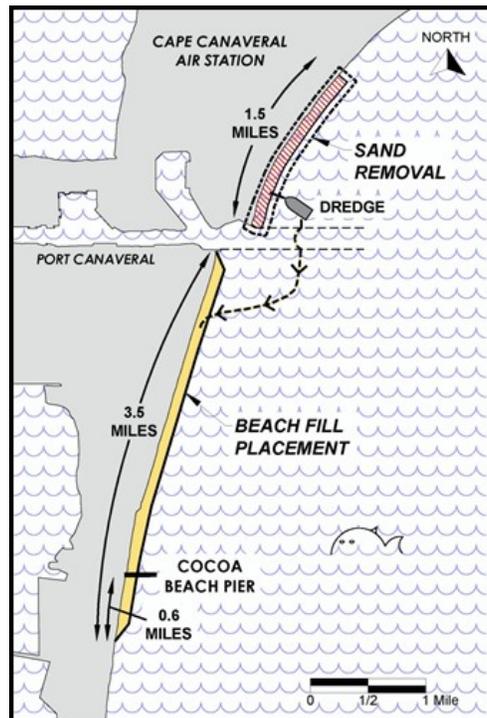
Kevin Bodge, Olsen Associates, Inc.
Bernie Eastman, Eastman Aggregates
Bill Hanson, Great Lakes Dredge & Dock Company
Jackie Keiser and Jason Engle, USACE Jacksonville District
Jenny Jacobson, USACE Mobile District
Alex Reed, FDEP Division of Water Resource Management

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Canaveral Harbor Sand Bypass Construction

by Kevin Bodge, Ph.D., P.E.
President, Olsen Associates Inc.

Beginning the first week of December 2018, the Canaveral Harbor Federal Sand Bypass Project (Phase V) will dredge 1,340,000 cubic yards of sand from the shoreline north of the Port Canaveral Entrance inlet and place the sand along 3.5 miles of shoreline south of the inlet. The project, located in Brevard County, transfers sand from north to south across the inlet that is otherwise interrupted from natural drift by the federal inlet, jetties, and channel. This is the fifth construction of the sand bypass project since its inception in 1995. It is also the largest project to-date (almost twice the volume of the last two bypass events), and it will place the bypassed sand about one mile further south than any of the prior projects. Construction is to be completed by 30 April 2019.



The construction contractor is Norfolk Dredging Company. The Canaveral Port Authority (CPA) is the project sponsor. Construction is managed and 100% funded by the US Army Corps of Engineers, Jacksonville District. Additional project monitoring, permitting and design are provided by the CPA with cost-share from the Florida Dept of Environmental Protection – along with logistical support from the USAF 45th Space Wing and Brevard County. The construction contract award is \$18,076,560 (which includes costs to establish a trench for the pipeline below the entrance channel depth).

Norfolk Dredging will use the 24-inch cutterhead dredge “Charleston”. After installation of the temporary pipeline across the inlet channel seabed, sand will be dredged from the beach and nearshore seabed along

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the Cape Canaveral Air Force Station (CCAFS), within about 1.5 miles north of the inlet, and placed to the beach along the City of Cape Canaveral and north Cocoa Beach, from Jetty Park at the inlet to just north of the SR 520 Cocoa Beach causeway. The sand is dredged from within about 500 feet of the ocean shoreline, from between Mean High Water and -16 ft depth (MLW). During dredging, the beachface recedes by 25 to 50 feet, and then typically recovers its width within 2 to 3 years. The beach along the dredge borrow area north of the inlet is not open to the public – being part of secure US Navy and US Air Force missile launch facilities.



Because it can sweep sand from several miles of shoreline – where sand accumulates fairly uniformly along the beach north of the inlet – periodic mobilization of a conventional dredge has been concluded to be a more cost- and physically-effective bypassing method at Port Canaveral (versus a fixed pier). The project's nominal schedule is to bypass the equivalent of about 156,000 cubic yards per year, at nominal 6-year intervals. To-date, the project's four prior events (1995, 1998, 2007, 2010) have bypassed about 3.5 mcy of sand. This project -- combined with the Brevard County Federal Shore Protection Project, and periodic beach nourishment by the US Air Force at Patrick AFB (which place sand from offshore borrow area sources) – have successfully restored the shoreline to its historical pre-inlet (1950) location within the 10-15 mile length of shore for which the inlet's effects are directly demonstrated. Port Canaveral was excavated into the otherwise continuous coastline in 1950-53 -- after which the beach north of the inlet grew by hundreds of feet, while the shoreline south of the inlet rapidly eroded.

The sand bypass project is part of the "Port Canaveral Inlet Management Plan", developed in 1992-94. Implementation of the Plan's many elements has reduced the inlet's littoral impact from 350,000 cy/yr to nearly negligible levels today; and, it has reduced the need for maintenance dredging of the inlet entrance by half. For more information and progress updates, visit <http://olsen-associates.com/canaveral>.

USACE Jacksonville District U.S. Army Corps of Engineers Hosts a Trio of NEPA Scoping Meetings

By Gabriel Todaro, Intern, EN-WC, USACE Jacksonville District



US Army Corps
of Engineers®

The U.S. Army Corps of Engineers, Jacksonville District hosted a trio of National Environmental Policy Act (NEPA) scoping meetings in November 2018. The purpose of these scoping meetings is to present information about an impending study and to solicit public feedback and questions regarding the studies. The three studies in question include the upcoming Pinellas County Coastal Storm Risk Management Study, the Puerto Rico Coastal Storm Damage Reduction Study, and the San Juan Metro Area Coastal Storm Damage Reduction Study.

The Pinellas County Beach Erosion Control project (Figure 1) was originally authorized in 1966 for a 50-year period of federal participation from the time of initial construction. Treasure Island, Long Key, and Sand Key were constructed at different times, and their periods of participation expire in 2025, 2030, and 2043, respectively. The Corps of Engineers is studying opportunities for continued federal participation for these segments and evaluating an array of structural and non-structural storm risk management measures that may be implemented. Alternatives under consideration for the study include, but are not limited to, shoreline revetments, breakwaters, and sand placement. Sand placement to extend the mean high water line seaward was the original recommended plan previously authorized in 1966.

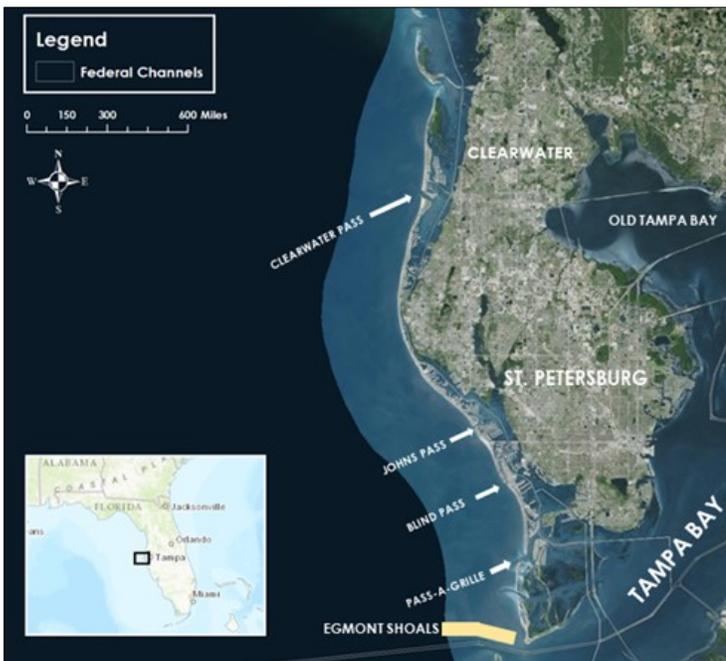


Figure 1: Pinellas Study Area

Pinellas County held their public scoping meeting November 15th, and Andy Squires, Pinellas County's Environmental Manager, provided a few comments about the outcome of the meeting.

"With expiration dates fast approaching for Long Key and especially Treasure Island, Pinellas County has been seeking funds to begin this study for several years. The County was relieved and very thankful to receive \$2 million of federal funds from the Bipartisan Budget Act of 2018 to finally begin work. Due to a limited budget Sand Key will not be part of the study. Since this feasibility study took years to get funded, the public scoping meeting participants urged the Army Corps to include both Treasure Island and Long Key in the study. A draft feasibility study will be released in Spring 2020 with a final report completed by Spring 2021."

The San Juan metro Area Coastal Storm Damage Reduction Study (Figure 2) will look to assess the effects of potential alternatives to reduce coastal storm damages to infrastructure along the coastline of the San Juan Metro Area extending from El Morro, San Juan Municipality to Boca De Cangrejos, Carolina Municipality, San Juan, Puerto Rico. Alternatives under consideration for this study include: No action, if no economically justified alternatives are feasible; or actions including (but not limited to) shoreline revetments, breakwaters such as artificial reefs, sand placement, and non-structural measures.



Figure 2: San Juan Metro Study Area

The Puerto Rico Coastal Storm Risk Management Study (Figure 3) looks at areas around the island outside of the San Juan metro area. The purpose of this study is similar to the San Juan Metro Area study as it looks to reduce coastal storm damages to infrastructure. Alternatives under consideration for this study include: No action, if no economically justified alternatives are feasible; or actions including (but not limited to) shoreline revetments, breakwaters such as artificial reefs, sand placement, and non-structural measures.

These studies are expected to be completed within 3 years of their kickoff and any construction activities needed as a result of these studies would likely begin in 2022.

Puerto Rico Coastal Storm Risk Management Study

Environmental Considerations

National Environmental Policy Act (NEPA)
NEPA is a Federal law enacted in 1969. As required by NEPA, the Corps will evaluate potential environmental effects of the array of alternatives and recommended plan to the human environment.

Cultural Resources
The Corps will conduct archeological analysis to assess any potential cultural resources within the reduced study scope.

Analysis to Identify Species of Concern & Sensitive Habitats
The Corps will conduct: 1) Coordination with applicable environmental regulatory agencies; 2) Avoid and minimize effects to the maximum extent practicable.



The Puerto Rico Coastal Storm Risk Management Study is authorized as part of the Bipartisan Budget Act of 2018 (PL 115-123), under Section 204 of the Flood Control Act of 1970, Public Law 91-611. This study is currently looking at over 100 miles of shoreline. The study will reduce the scope and will explore and ultimately recommend a project where a feasible Federal coastal project could potentially reduce hurricane and storm damages to public infrastructure, residential and commercial buildings. The Puerto Rico Department of Natural Resources (DNER) is the local sponsor for the project.



Planning & Engineering

Once the study area scope is reduced, an array of alternatives will be assessed and modeled to determine the alternative which best addresses the primary study objective to reduce coastal storm damages. The alternatives could include but are not limited to stand alone or combinations of soft structures (beach and dune), hard structures (seawalls, reefs, rock revetment), and non-structural alternatives (flood proofing).

Examples of Types of Solutions

Beach Nourishment



Dunes and Vegetation



Artificial Reefs



Rock Revetment





Economics

COASTAL STORM RISK MANAGEMENT (CSR) KEY FORMULAS

Plans recommending Federal action should represent an alternative that achieves the greatest net benefits consistent with protecting the environment

BENEFITS > COSTS

In addition, plans must have a positive benefit to cost ratio.

BENEFITS
Primary: Storm damage reduction
Incidental: Recreation

COSTS
• Cost of alternative over a 50 year period of Federal participation
• Associated costs

CSR BENEFITS	=	ESTIMATED \$ DAMAGES WITHOUT PROJECT	-	ESTIMATED \$ DAMAGES WITH PROJECT
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ESTIMATED STUDY SCHEDULE



U.S. ARMY CORPS OF ENGINEERS | JACKSONVILLE DISTRICT FOR ADDITIONAL INFORMATION: WWW.SAJ.USACE.ARMY.MIL

Figure 3: Puerto Rico Study Area

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Florida Department of Environmental Protection Agency Updates



Hurricane Response

Florida Department of Environmental Protection (DEP) personnel have conducted storm assessments on all beaches affected by Hurricane Michael and are preparing a report. The draft report assesses damages along the coast of Bay, Gulf, Franklin and Wakulla counties, focusing on damages occurring within the coastal building zone. It identifies areas where storm erosion has left upland development and infrastructure vulnerable to imminent damage from future storms, where beaches and dunes may be restored, and where expedited permitting may be needed to assist homeowners with repair and reconstruction. DEP is working with local governments in affected areas to address severe beach erosion, loss of dunes and shoaling of inlets.

DEP is also coordinating closely with the Mobile and Jacksonville District offices of the U. S. Army Corps of Engineers (Corps) to implement the projects funded under the 2018 Storm Damage Supplemental bill. Most of the Flood Control and Coastal Emergencies projects, used to repair constructed Corps beach projects and perform emergency dredging of shoaled waterways, are permitted, and we are working to permit the remainder. Pre-construction and compliance meetings are held weekly.

Long term recovery projects include construction projects and studies to extend the federal participation in several beach projects, authorization of new beach projects, resiliency projects and port projects. DEP is participating in planning for the studies, resource assessments and permitting in most of these projects.

Changes to the Coastal Construction Control Line Rules

Amendments to Chapters 62B-33 and 62B-34, Florida Administrative Code (F.A.C.), (including amendments to the application forms for both chapters), governing the Coastal Construction Control Line program, noticed in the Florida Administrative Register (FAR) on June 22, 2018, will go into effect on November 28, 2018. See <https://floridadep.gov/water/water/content/water-resource-management-rules-development>. Notices of



**Mexico Beach in the vicinity of R136
Photo credit FDEP**

change for both chapters to address comments by the Joint Administrative Procedures Committee and timely received public comment were published in the FAR on October 8, 2018.

The amendments to Chapter 62B-33, F.A.C., will clarify and update existing rule language, delete obsolete definitions, revise the definitions of “armoring,” “coastal system,” “construction debris” and “Department,”

The revisions also:

- Provide additional exemptions from permitting for certain minor activities
- Delete obsolete references to the Florida Building Code
- Establish criteria for fill material
- Provide more specific criteria for siting of both major and minor structures (including those where armoring exists)
- Establish criteria for rebuilt pipelines and ocean outfalls crossing the beach
- Clarify requirements for geotechnical data and other information required in the application process
- Delete the requirement to submit multiple copies of certain documents to the DEP
- Simplify fee calculation
- Eliminate the permit fee for exemption determinations and permit transfers
- Allow for reissued permits for the same project that was not completed in time
- Reduce the permit fee for reissued permits
- Clarify permit duration for projects
- Provide for electronic submission of applications and related documents
- Provide success criteria for site re-vegetation
- Eliminate the requirement for submission of construction progress reports
- Clarify the duration of time extensions for projects
- Clarify the methodology used to establish the 30-year erosion projection line where there is a beach restoration project.

The amendments to Chapter 62B-34, F.A.C, establish General Permits for swimming pools associated with single-family homes, for dune restoration, for minor reconstruction of existing coastal armoring and for certain minor structures. Amendments to the Chapter will also add a definition of “registered professional” and “marine turtle nesting habitat;” amend the application fee schedule; add general conditions applicable to all General Permits regarding beach walkovers and sand fencing; clarify existing siting criteria; and establish standards for beach fill quality.

Amendments to both chapters will streamline the permitting process and save time and money for permit applicants, while maintaining the same level of protection to the beach and dune system. The application forms associated with both chapters have also been updated to reflect the amendments to the rules.

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2019 Tech Conference



**2019 National Conference
on Beach Preservation Technology**
February 6-8, 2019
Embassy Suites St. Augustine Beach
Oceanfront Resort

[Conference Registration](#)

Register Online

For details on registration fees, [click here](#)

[Hotel Reservations](#)

Hotel reservations should be made directly with the conference hotel, the Embassy Suites St. Augustine Beach. The hotel will honor the group rates as long as rooms remain in FSBPA's block or until January 11, 2019, whichever occurs first. The group rate is \$149 single or double, plus tax and a \$15 per day resort fee. For complete details visit, www.fsbpa.com/tech-conference/hotel.html.

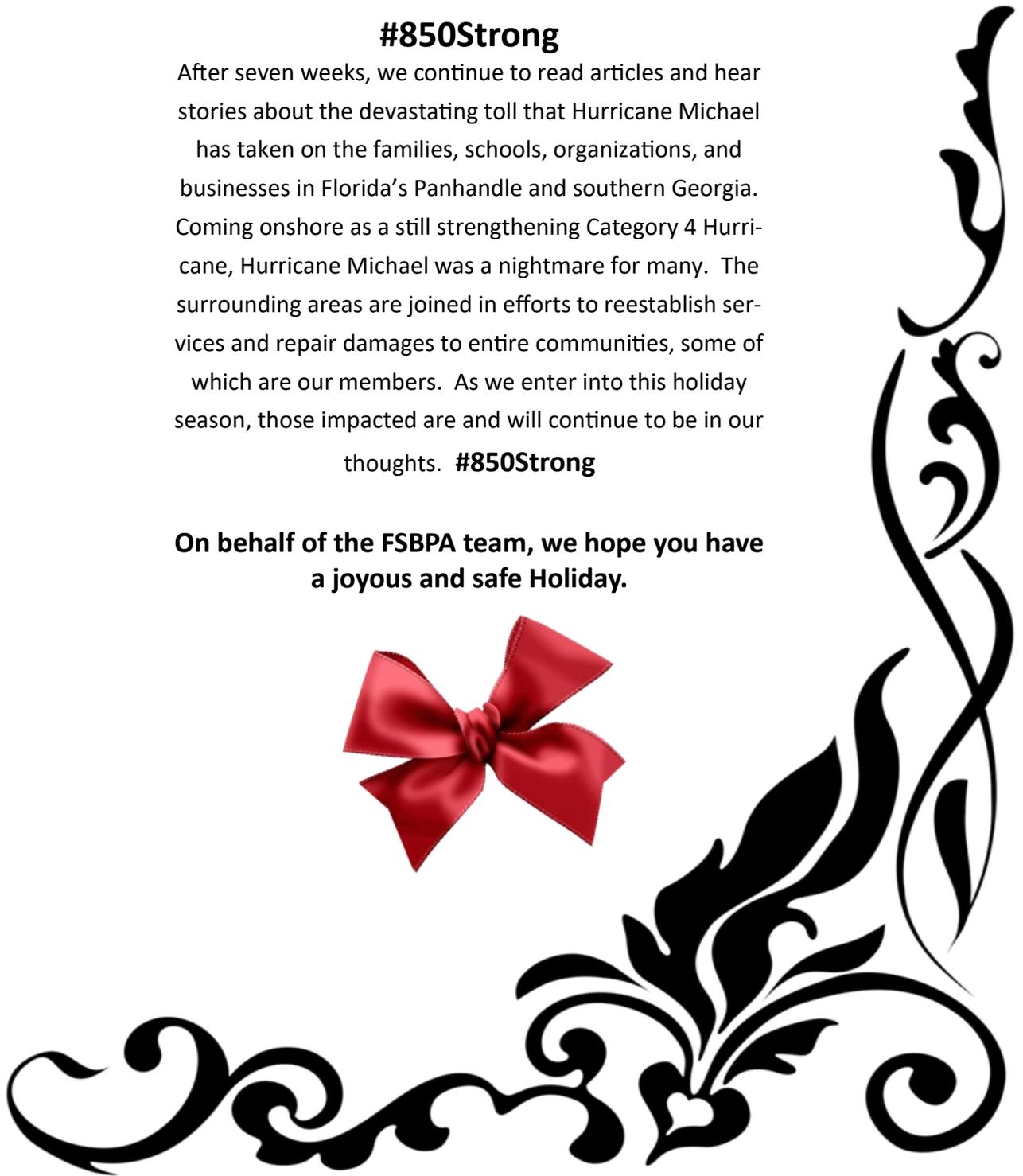
As conference organizer, FSBPA is excited to host the 2019 Tech conference for the first time in St. Augustine Beach at the brand new Embassy Suites hotel. We are even more excited about the content, number, and variety of abstracts submitted and under review by the Planning Committee – a sign the conference is shaping up to be an outstanding educational opportunity for attendees. The program will be posted online in December, so don't delay in registering or making your hotel reservations today!

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#850Strong

After seven weeks, we continue to read articles and hear stories about the devastating toll that Hurricane Michael has taken on the families, schools, organizations, and businesses in Florida's Panhandle and southern Georgia. Coming onshore as a still strengthening Category 4 Hurricane, Hurricane Michael was a nightmare for many. The surrounding areas are joined in efforts to reestablish services and repair damages to entire communities, some of which are our members. As we enter into this holiday season, those impacted are and will continue to be in our thoughts. **#850Strong**

On behalf of the FSBPA team, we hope you have a joyous and safe Holiday.



Shoreline

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

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Vice-Chair

Laird Wreford, Sarasota County

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Gary McAlpin, Collier County

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James Gray, Indian River County

James Houston, USACE ERDC

Charlie Hunsicker, Manatee County

Tamara Pigott, Lee County VCB

Nicole Sharp, Broward County

Marty Smithson, Sebastian Inlet District

Andy Squires, Pinellas County

Chair Emeritus

Allen Ten Broek

Ex Officio

USACE Jacksonville District, Jackie Keiser and Jason Engle

USACE Mobile District, Jenny Jacobson
FDEP, Alex Reed

Ken Craig, Taylor Engineering, Inc.

Erin Hodel, CSA Ocean Sciences Inc.

Dan Hussin, Manson Construction

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Executive Director: Jackie Larson

Governmental Affairs Director: Lisa Armbruster

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Florida Shore & Beach Preservation Association

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CALENDAR OF EVENTS**FSBPA Conferences**

February 6-8, 2019

**National Conference on Beach
Preservation Technology**

**St. Augustine Beach Hilton
Embassy Suites**

September 18-20, 2019

62nd Annual Conference

**Hutchinson Shores Resort & Spa
Hutchinson Island, Florida**



**2019 National Conference
on Beach Preservation Technology**
February 6-8, 2019
Embassy Suites St. Augustine Beach
Oceanfront Resort

Other Dates of Interest

February 22-24, 2019

**22nd Annual Florida Marine Turtle Permit Holder Meeting
Renaissance Orlando at Sea World Resort
Orlando, Florida**

March 12-14, 2019

**ASBPA Coastal Summit
Washington, DC**

May 27-31, 2019

**Coastal Sediments 2019
Tampa/St. Pete, Florida**

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