



A message from FSBPA's Incoming President Stephen "Pepper" Uchino "Preserving the Soul of Florida"



I would like to begin by sharing with you my personal story of the fundamental and foundational connection I have with Florida's beaches. This connection has guided me throughout my life and career. I grew up far away from Florida in a small suburb outside New Haven, Connecticut. My childhood memories are dominated with remembrances of exploring the woods, creeks and craggy hills of the New England landscape. When I moved to South Florida as a 13-year-old, it was like a different planet and everything familiar and comfortable was gone. The magic and promise of Florida took hold of me during my first visit to the beach. The endless expanse of white sand holding back the crystalline blue waters of the Atlantic was like nothing I had ever seen and is an experience I will never forget. My love of all things coastal only grew from there, from shore fishing and sailing to free diving and just plain relaxing on a towel under the sun. These experiences formed who I am today and were the driving

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US Army Corps
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**U.S. Army Corps of Engineers
South Atlantic Coastal Study:
Sand Availability and Needs
Determination Summary**



**FDEP Division of Water
Resource Management
Updates**



- ◆ Award Recipients
- ◆ Thank you Sponsors and Exhibitors!

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ABSTRACT DEADLINE:
OCTOBER 11, 2019



forces that led me to pursue master's and law degrees from the University of Miami, during which I focused my studies on the interactions between the land, water, and humans, and the policies that affect how we manage our natural coastal resources. To this day, every time I visit a beach, an overwhelming feeling of calmness washes over me with just my first few breaths of briny air and a glimpse of the sand and water. I am sure it is a feeling that all of us at FSBPA, staff and members alike, share. In fact, it is such a profound feeling that many of us need merely to see a picture of the beach and water to regain a sense of it. There is nothing like it in the world, and we have a duty to protect and preserve these resources for ours and future generations to come.

In furtherance of this deep and abiding sense of duty, I am honored and humbled by the Executive Committee's and Board of Directors' decision to place their trust in me to preside over such a phenomenal organization, founded more than 60 years ago. And while an organization should always endeavor to be greater than the sum of its parts, I want to specifically thank Debbie Flack for her years of leadership and guidance to the FSBPA. I have worked with Debbie for more than a decade since I was a staff attorney at the Senate Committee on Environmental Preservation and Conservation. Our members, residents of and visitors to Florida, and the state itself are in her debt for her selfless dedication and relentless tenacity to protect Florida's shores and beaches. While no one could ever hope to replace Debbie, my goal is to continue to build upon the legacy she leaves and the strength of the organization itself to ensure the FSBPA lives up to its mission to preserve Florida's shores and beaches for the next 60 years.

Meet our New President, the Inside Scoop

Pepper grew up in Woodbridge, CT, a small town outside New Haven. His environmental ethos formed during those years as he explored the New England wild. He moved to South Florida when he was 13, which began his love affair with Florida's natural beauty. Pepper has been studying and working in the natural resource arena for more than 15 years. Prior to joining FSBPA, he was a Partner at Anfield Consulting, a premier boutique lobbying firm, where he focused on natural resource policy. Pepper also served in various roles in the Florida Senate including Staff Director of the Committee on Environmental Preservation and Conservation and the Select Committee on Indian River Lagoon and Lake Okeechobee Basin. Throughout his tenure as a policy expert for the Florida Legislature, Pepper's work touched on nearly every aspect of Florida's environmental policy. During this time, he gained invaluable experience in navigating the inner workings of the Legislature to shepherd bills and appropriations through the process. FSBPA will be Pepper's third stint with non-profits, including roles as the Florida Director of Government Affairs for The Trust for Public Land and as the first Executive Director of Resiliency Florida, an organization focused on preparing Florida for impacts from climate change. He currently sits on the boards of Florida Water Advocates and the Florida Wildlife Federation. Pepper and his wife, Barbara, have two children, which they hope to instill the same sense of enchantment with the natural world as they have.

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Annual Conference - Last Call

The 62nd Annual Conference is just two weeks away, and FSBPA's Board of Directors, staff, and our new President, Pepper Uchino, look forward to seeing you there! This Conference is an important time when we can come together to discuss the latest developments in beach management and coastal protection measures and learn from one another's experiences. Hurricane Dorian reinforces the importance of this message and timely opportunity.

The Conference program and agenda are set, and FSBPA would like to take this moment to thank all who are contributing to the event. We are excited about the wide range of outstanding speakers, most notably our Keynote speaker, Senator Debbie Mayfield, and Colonel Andrew Kelly who will give the Annual Jacksonville District Update. FSBPA is most appreciative of our generous sponsors, especially Martin County our host, who are helping to make the conference more enjoyable for attendees. Please take time to [thank](#) them when you see them later this month. We hope you will also take advantage of the professional exchange breaks built into the agenda so that you can meet with [vendors](#) in the exhibit hall and members of your project teams. A final note, thank you Amber Moran for donating your artwork for the conference logo!

Not registered? No worries there is still time. Visit our conference website for all of your conference needs, and go to [Martin County's Tourism and Marketing website](#) for ideas on offsite excursions or dining.



While preparing for the upcoming conference, our thoughts are especially with those in the Bahamas impacted by Hurricane Dorian and for all who may be in the future path of this devastating storm. Please be vigilant and safe.

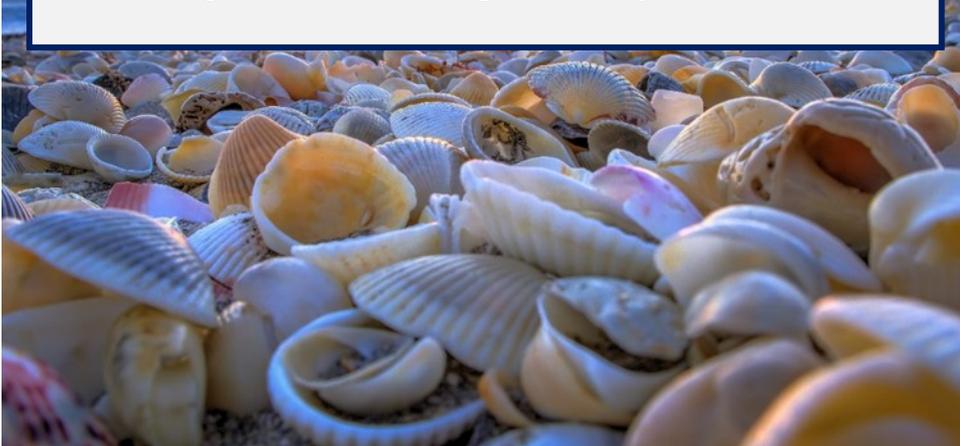


Photo courtesy of Martin County

In Recognition of FSBPA's 2019 Annual Award Winners

The Awards Banquet is one of our favorite times of the Year, an occasion to celebrate the accomplishments of our leaders, colleagues and friends. This year, we applaud four distinguished honorees for their dedicated service on behalf of Florida's beaches. As tradition holds, the Banquet will be held at 6:30 p.m. on Thursday evening at our conference hotel, Hutchinson Shores Resort. We sincerely appreciate our Gold Banquet Sponsor, Taylor Engineering, and Silver Banquet Sponsors, APTIM, Coastal Protection Engineering, Gahagan & Bryant Associations, Lewis, Longman & Walker, and Norfolk Dredging.

Thank you to our Award Plaques Sponsor, Brett Moore, Humiston & Moore Engineers for helping the evening to be especially meaningful for the award recipients.

STATESMAN OF THE YEAR AWARD

We are delighted to honor Senator Debbie Mayfield, Chair, Appropriations Subcommittee on Agriculture, Environment, and General Government, Florida Senate (District 17) with the Statesman of the Year Award. This is FSBPA's highest policy award and has been associated over its history with Senator Dennis Jones, the principal champion of Florida's successful beach management program. Senator Mayfield is most deserving of the Statesman of the Year Award for her outstanding leadership and legislative record in support of the Coastal Management Bill and \$50 million in State funding for the preservation and protection of Florida's beaches.



LOCAL GOVERNMENT AWARD



Alex DavisShaw, P.E., PTOE, F.FES, will receive the 2019 Local Government Award for her contributions to beach preservation and enhancement of the City of Sarasota's beaches. Tom Pierro and Michelle Pfeiffer nominated Alex for her years of dedicated service to the City's beaches and successful implementation of its Beach Management Program. Their joint nomination noted how Alex exemplifies the importance of this Award, particularly through her career as a government



employee of the City of Sarasota, years of management of the Lido Key Beach Nourishment Program, and active involvement of FSBPA. Alex has spent decades developing an appreciation for Florida's beaches and has led her community in finding the right balance of coastal protection, environmental stewardship, and public safety.

JIM PURPURA / T.Y. CHIU ENGINEERING AWARD

The Jim Purpura / T.Y. Chiu Engineering Award is named after the two scientists who pioneered Florida's Coastal Construction Control Line program (CCCL), and the recipient of this distinguished award is most deserving. Drum roll, please...and the award goes to Tony McNeal, Administrator for the FL Department of Environmental Protection's CCCL Program in recognition of his long-standing contributions to coastal engineering and beach preservation. Tony was nominated by an exceptional team of coastal professionals who have each worked with him for decades, including Michael Barnett, Michael Dombrowski, Lois Edwards, Doug Mann, Brett Moore, and Darwin Stubbs. The nominators prepared letters to recognize Tony's 34 years of dedicated service to FDEP, and each made a point of praising one of his many memorable leadership qualities of professionalism, knowledge, fairness, respect, and yes even humor. Tony will retire next year and be missed by his colleagues and peers. Congratulations Tony on your outstanding career.



LIFETIME ACHIEVEMENT AWARD



Richard Bouchard, coastal engineer for St. Lucie County, will be presented with the Lifetime Achievement Award, a unique award reserved for select individuals in recognition of their long-term commitment to the preservation of Florida's beaches. This will be only the fifth such award presented over the history of FSBPA's award ceremonies. Richard was nominated by Ken Craig and Josh Revord in honor of his 20+ years of dedicated service to the preservation of St. Lucie County's beach beaches. Since 1995, Richard has played a key role in the successful implementation of the County's beach and inlet management program, and he has further laid a solid framework for its future success. On a personal note from FSBPA, we greatly appreciate his years of service to the

Association as a Director on the Board for nearly 15 years, and as our honorable Chairman in 2015. Richard will retire from public service next year, and we will miss his tireless determination and passion for the preservation of Florida's beaches.



This conference is made possible by the generous contributions from our Sponsors and Exhibitors



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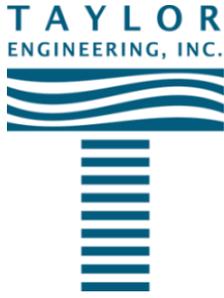
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U.S. Army Corps of Engineers South Atlantic Coastal Study: Sand Availability and Needs Determination Summary



US Army Corps
of Engineers®

The U.S. Army Corps of Engineers (USACE) is conducting a comprehensive coastal vulnerability and flood risk-reduction study within the South Atlantic Division which includes over 65,000 miles of tidally influenced shoreline (Figure 1). This study is known as the South Atlantic Coastal Study (SACS) and it is modeled after the North Atlantic Coast Comprehensive Study (NACCS), which was conducted along the North Atlantic coastline following Hurricane Sandy. The SACS has multiple key products; a Risk Assessment based on factors including population, infrastructure, environmental and cultural resources, and social vulnerabilities; the Coastal Hazards System (CHS), which includes four models that will provide current and projected water elevation data for the study area; State Appendices that will identify focus areas for each state, document existing risk reduction strategies and potential risk reduction strategies will be assessed for future implementation; and the Sand Availability and Needs Determination (SAND). This article will provide an overview of the SAND.

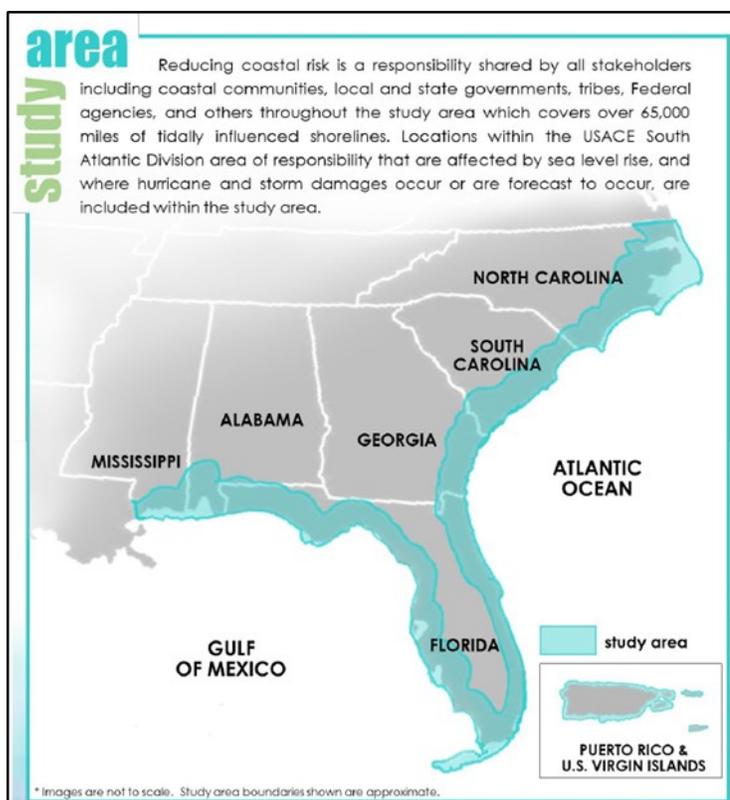


Figure 1: SACS Study Area

The objective of the SAND is to define sand needs and available sediment resources for all federal and non-federal beaches in the South Atlantic Division over the next 50 years.

The SAND is a collaborative effort led by USACE with support from state and federal coastal resource management throughout the region (Figure 2). The study aims to build on established state and regional programs and develop products consistent with programs such as the Florida Department of Environmental Protection (FDEP) Agency's Regional Sand Source Inventory (ROSSI) and the Bureau of Ocean Energy Management's (BOEM) Marine Minerals Information System (MMIS).

As part of the SAND study, a geodatabase of federal and non-federal beach nourishment projects, offshore sand sources, and Regional Sediment Management (RSM)/beneficial use sources will be developed. In addition, a summary report will be created for each state, territory, and district.

The importance of the SAND study is that beach compatible sediment is a finite resource that is quickly being depleted. In some areas, such as southeast Florida, offshore sand sources have been almost entirely depleted and sand is being trucked from upland mines. As sand sources are exhausted, sand and the cost to

construct coastal flood risk management projects will become more expensive. Part of the SAND study is to identify non-traditional potential sand sources such as confined upland placement areas and RSM opportunities associated with navigation channels and delta and inlet shoal complexes. By identifying and classifying available sand sources, it will allow for more efficient management of our limited coastal resources into the future.

The SAND study is currently in the process of gathering data on sand needs and availability through active engagement with coastal stakeholders. Beach nourishment projects that are being included in the sand needs database are those that have had nourishments with a single placement volume exceeding 100,000 cubic yards (cy) of sand, as well as those that have been replenished within the past 10 years. Estimated sand needs will be determined for the next 50 years (2020 to 2070).



Figure 2: The SAND Project Delivery Team

Available sand sources for the study include offshore sand sources and RSM/beneficial use sources. RSM sources with dredge events that exceed 50,000 cy per event and have a dredge maintenance cycle of less than 5 years will be included in the database.

In order to collect data from stakeholders an online database has been created. It has been pre-populated with nourishment projects and sand sources. Stakeholders will be able to review and edit sand needs and sources data for their areas of interest. Additional projects and data will be added to the database based on stakeholder input.

A stakeholder kickoff meeting was held on 15 August 2019 with over 150 participants. During the meeting, the stakeholders were asked to provide information via the online database through September 27. Workshops to review the data will be scheduled for May through June of 2020.

For more information, please email Clay McCoy, SAND Project Manager, at Clay.A.Mccoy@usace.army.mil or visit the project website at <https://www.sad.usace.army.mil/SACS/>.

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FDEP Division of Water Resource Management Updates



FY 2020-21 Local Government Funding Requests

The Beach Management Funding Assistance Program received 55 applications for the FY 2020-21 local government funding request cycle by the July 31 deadline. All were applications for beach projects except 15, which were applications for inlet projects. The total state share requested for all 55 applications is approximately \$147 million, supplemented by approximately \$86 million in federal funds and \$180 million in local funds, for a total commitment of \$413 million.

The applications have been evaluated by an internal review committee of planning, engineering and funding staff. Draft Assessments of all applications are publicly accessible online here: ftp://ftp.dep.state.fl.us/pub/ENV-PRMT/Beach_Funding_Assistance_Program-BECP. The draft assessments are organized in folders by county. Comments on the draft assessments can be sent to beaches_funding@dep.state.fl.us. The deadline for submitting comments is September 21, 2019.

Strategic Beach Management Plan (SBMP) Update

The 2019 Draft Strategic Beach Management Plan (SBMP) is now available online here: ftp://ftp.dep.state.fl.us/pub/outgoing/Beaches/SBMP_DRAFT_2019_edition/

Due to preparation and response efforts for Hurricane Dorian, the SBMP webinar has been tentatively rescheduled to Monday, September 16 from 9:30 am to 11:30 am. Please contact Guy Weeks in the Beaches, Inlets, and Ports Program at: 850-245-7696 or at William.Weeks@FloridaDEP.gov if you have questions or need additional information.

Personnel Notes

The **Beaches, Inlets, and Ports Program (BIP)** is pleased to welcome three new team members:

- Rachel Grundl is the new Permit Manager for the Northeast region. Rachel is originally from Fayetteville, Arkansas. She has degrees in Marine Biology (B.S.) and Environmental Writing and Media Studies (B.A.) from Unity College, Maine, as well as an advanced degree in Marine Biology (M.S.) from Bangor University in Wales, UK.
- Natalie Geyer has joined the Resource Review Section of BIP. Natalie was previously a project manager with the Division of Water Resource Management's Beach Funding Management Assistance Program. She holds a degree in Biology (B.S.) from the University of Evansville and an advanced degree (Ph.D.) in Oceanography from Florida State University.

- Alexandra (Alex) Wagner grew up in Tallahassee and joins BIP in a new position in its Compliance section. Alex holds a degree in Marine Biology (B.S.) from Stetson University. Over the summer she worked in Topsail Island, North Carolina, as a Marine Educator for Carolina Ocean Odyssey.

The **Beach Management Funding Assistance Program** welcomes Hanna Tillotson as a new Project Manager. She grew up on the coast in Rhode Island and received a degree in Marine Biology (B.S.) from the University of North Carolina at Wilmington and an advanced degree in Ecology and Evolution (M.S.) from Florida State University. Her graduate work, as well as her later research for the DEP's Apalachicola National Estuarine Research Reserve, investigated the decline of oyster reefs across the Gulf and Atlantic coasts of northern Florida. Prior to joining BMFA, Hanna previously worked in the research, management, outreach, and education sectors of the marine fisheries and coastal ecosystem fields.

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FLORIDA SHORE & BEACH PRESERVATION ASSOCIATION

A League of Cities, Counties, and other Coastal Interests on Beach Issues

Notice of 2020 General Membership Dues

General Membership Dues invoices will be emailed next week for the 2020 calendar year. Your membership is important to us and each member adds to the effectiveness of our organization and common goal – healthy beaches are vital to the state’s economy, coastal environment, and quality of life. Thank you for your past support, and we hope you will renew.

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Call for Abstracts - Deadline is October 11, 2019

We welcome abstracts on the topics listed below:

- **Shore Protection Projects and Coastal Management**
- **Coastal Research and Environmental Science**
- **Additional Topics**
 - ◆ Beach and nearshore hydrographic surveying technology
 - ◆ Beach operations and maintenance
 - ◆ Coastal management policy decisions and lessons learned
 - ◆ Coastal Pier Construction Projects
 - ◆ Coastal Resiliency Initiatives
 - ◆ Dredging technology
 - ◆ Living shorelines, seagrass and habitat creation
 - ◆ Red tide and other Harmful Algal Blooms
 - ◆ Sea level rise
 - ◆ Storm surge modeling

Who Should Submit?

- Public and private sector engineers
- Environmental scientists
- Coastal geologists
- Marine scientists and biologists
- Academic researchers
- Coastal surveyors
- Coastal managers and local government representatives

For complete information on the abstract topics and the submittal process, visit www.fsbpa.com/tech-conference/presentations.html

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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 18-20, 2019

**62nd Annual Conference
 Hutchinson Shores Resort
 Hutchinson Island, Florida**



February 5-7, 2020

**National Conference on Beach Preservation Technology
 Hyatt Regency Sarasota, Florida**

Other Dates of Interest

October 22-25, 2019

**ASBPA National Coastal Conference
 Myrtle Beach, SC**

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