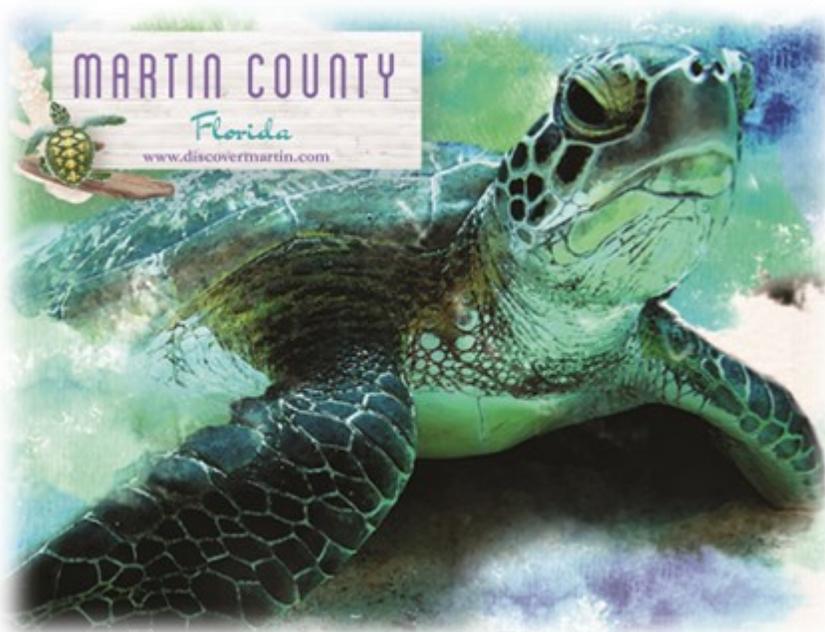




## 30th Annual National Conference on Beach Preservation Technology



February 8-10, 2017

Hutchinson Island Marriott ♦ Stuart, Florida

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By Debbie Flack

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**Register Now!**  
**2017 Tech**  
**Conference**

## JUST THE HIGHLIGHTS: “Beaches 2017 and Beyond” Initiative

By Debbie Flack

We’ve written about FSBPA’s 2017 beach agenda for several months and will continue to ask for member support, so that the message is repeated often and clearly. Our number one goal is supporting increased state funding for beach nourishment and inlet management projects to preserve our beaches and protect Florida’s brand. Adequate and predictable annual funding is essential to ensure that the statewide beach management program is on sound footing going forward and is key to leveraging federal and local dollars. We hope to achieve this by

- Replacing historical documentary stamp tax allocation with a minimum of \$50M annually from a predictable funding source
- Revisiting project ranking criteria for beach and inlet projects to ensure funding is used for projects in greatest need and to better capture the economic and storm damage reduction benefits of each project
- Assisting local governments with Hurricanes Matthew and Hermine storm damage recovery needs, assessments and funding (USACE, FEMA, and FDEP)

To reinforce this message with decision-makers at every opportunity, FSBPA’s briefing points are online at: <http://www.fsbpa.com/17Slide1.pdf>.

Just last week, FDEP released the 2017/18 Local Government funding request:

[http://www.dep.state.fl.us/beaches/programs/becp/docs/FY1718\\_LGFR.pdf](http://www.dep.state.fl.us/beaches/programs/becp/docs/FY1718_LGFR.pdf)

Our starting point this Session has been to stress with legislators the adverse effects to Florida’s beaches of continued state cost sharing of just over \$30M/year, roughly equivalent to the Legislature’s 1998 documentary stamp allocation for beach repair. Since then, there have been 30% more miles added to the critically eroded beaches list, miles participating in the program have increased 50%, and still 184 miles of beaches are not part of any solution. Hurricane Matthew pinpointed exactly where the neglected miles are located. The severe disparity between the amount of state funding appropriated and the amount of funding requested by local governments never seems to diminish, leaving a growing backlog of eroded beaches needing repair. Continuing at the current funding level will grow the backlog of beaches needing to be restored or maintained and prevents implementation of a meaningful inlet management component of the statewide program. Florida’s beaches are losing ground, and the cost of doing nothing is too great.

Fortunately, our historical efforts have recently enjoyed the insight and active support of Senator Jack Latvala, Chair of the Senate Appropriations Committee, as presented at our fall conference. The Senate’s response to Hurricane Matthew, beginning at the first committee meeting in December, has been

exceptional. DEP and FSBPA have worked cooperatively to identify and quantify storm damage recovery needs, which has been especially challenging for those areas and communities not a part of the statewide program.

Last Friday, Governor Scott, through executive orders, provided **\$15.8M to facilitate emergency dune repairs** in four northeastern counties in critically-eroded areas. The sole purpose is to provide some minimal targeted dune repair in the worst areas before turtle nesting season— and prior to the 2017 Legislative Session, specifically the appropriations process for FY 2017/18. St. Johns, Flagler, Volusia and Brevard are the designated counties. This was just the first indicator by the Governor of his unprecedented commitment to repair Florida's storm-damaged beaches.

The Governor further provided **\$61.2 million in his Budget Recommendation** released Tuesday morning to bring the entire **storm recovery state share total to \$77 million**. This is based on December 2016 estimates and still only preliminary costs to restore hurricane-damaged beaches, as described in DEP's draft hurricane damage assessment related to Matthew and Hermine.

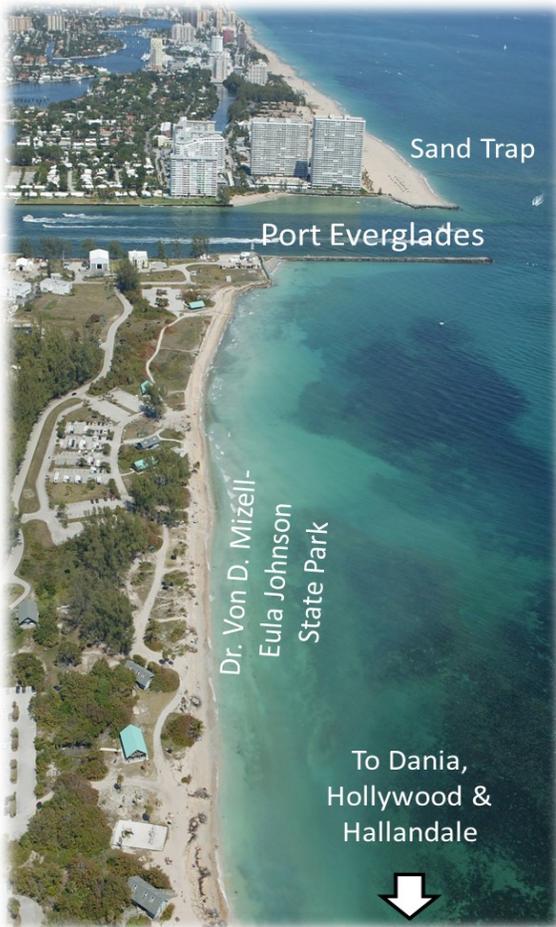
FSBPA and DEP came to amazingly close total state costs, but followed somewhat different paths. The major differences were the Association anticipated a separate Hermine Supplemental, while DEP includes just less than \$2.5 M for 4 separate southwest coast projects; we tried to provide additional funding in an alternative scenario if all Cat G requests (75% FEMA, 12.5% State, 12.5% ) were not approved, there is no Plan B in the department's recovery plan; FSBPA made an assumption, albeit cautious, that a few federal projects would have positive PIRs and accelerated supplemental nourishment; and we did not include state parks and DEP related-studies. These are not obstacles just issues that will be addressed going forward.

The good news is the Governor's Budget Recommendation for FY 2017/18 and the Senate's previously expressed interest in storm-related beach recovery are most encouraging, and exceed expectations as we start an advocacy strategy that will need refinement and be subject to changes along the way.



The totally unexpected and truly exceptional part of Governor Scott's recommended budget for beaches is the **\$50 million** (not the \$25M in the agency's earlier online budget documents) for the **traditional annual statewide beach program**. Yes, this is the first significant step forward as part of the "Beaches 2017 and Beyond" initiative to substantially increase annual funding. Seems our often repeated annual funding goal has taken on life.

### Port Everglades Inlet Management Plan Implementation Project



### Excerpt: "Governor Scott's Budget Fights to Protect Florida's Environment for Future Generations"

*\$111 million for beach restoration and renourishment— This is the highest amount of funding for Florida's beaches since Governor Scott took office. Recognizing the importance of well-nourished and maintained beaches for the environment, economy and way of life, Governor Scott is recommending funding to protect, preserve and restore Florida's world-renowned beaches and dune systems. This includes \$61 million to help communities recover from damages impacting their beaches during this past hurricane season. This is in addition to the \$15.8 million in state funding for emergency beach restoration projects Governor Scott announced last week. Governor Scott is also proposing \$50 million to fully fund Beach Restoration and Nourishment Project requests submitted to DEP's Beach Management Funding Assistance Program for the upcoming fiscal year. This funding will be used to restore and maintain critically eroded beaches across the state.*

### FSBPA's accompanying comment Regarding the Governor's Budget Recommendation

*"Our coastal communities and local governments are most appreciative of Governor Scott's budget commitment to sustaining and repairing Florida's beaches. It is further evidence of his recognition and appreciation of the economic importance of healthy beaches to tourism, storm damage reduction, and our quality of life," said Deborah Flack, president of Florida Shore & Beach Preservation Association. "FSBPA's members are further grateful to the Governor for raising awareness of the need to proactively preserve our beaches. His budget commitment of over \$111 million for supplemental hurricane damages and increased traditional program funding make him a true champion on behalf of Florida's beaches."*

The Governor's budget is Step 1 — a recommendation that will be considered by the House and Senate during budget deliberations that begin next week. It is not going to be an easy session with “alternative math” and disparate funding priorities already the subject of discussion. Still each of us should recognize and appreciate the starting point provided by Governor Scott. We can't succeed without champions. The Governor and Senator Latvala have raised the awareness of the need to proactively preserve our beaches. They get it—healthy beaches grow revenues, investing in beaches is a worthy investment with a 5.4 ROI (EDR), statewide projects leverage vital local and federal matching dollars, and of course nourished beaches reduce storm damage. FSBPA, every coastal community, and our beach “Coalition of Interests” including FAC, the League of Cities, Board of Realtors, FADMO (TDCs and CVBs), and other business-related interests need to reinforce their message.

Hopefully, the next *Shoreline* will focus on the status and content of legislation being sponsored by Senator Latvala and Representative Kathleen Peters, with Representative George Moraitis, as prime co-sponsor. The intent of this substantive legislation is to selectively revisit the beach program's statutory framework to ensure the most effective use of any additional state funding.

**[Back to Main Page](#)**

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## 2017 Tech Conference • February 8-10 • Hutchinson Island Marriott • Stuart, FL

The 30th Annual Tech Conference promises to be one of the best yet. We are excited about the number of registrants attending – a testament to the outstanding lineup of presenters constructed by the planning committee. We are also very thankful to our generous Sponsors and Exhibitors, including the Host Sponsor, Martin County, for helping to ensure the conference is enjoyable for all attendees. The most up-to-date conference program is online at [www.fsbpa.com/tech-conference.html](http://www.fsbpa.com/tech-conference.html), but is also available on the following pages. There are just two more days to register at the Regular Rate.



### Conference Registration

**Register Now!**  
**2017 Tech**  
**Conference**

**Save \$100 - February 3, 2017 Last Day  
for Regular Registration**

### Hotel Reservations

The conference venue, the Hutchinson Island Marriott, is now sold out but FSBPA secured an Overflow Hotel, the Holiday Inn at Port St. Lucie. Room rates are \$109 plus tax. For complete details and to reserve your room online, [click here](#).



# 30<sup>th</sup> Annual National Conference on Beach Preservation Technology Conference Program

February 8-10, 2017 ♦ Hutchinson Island Marriott ♦ Stuart, FL

## Wednesday, February 8, 2017

### OPENING SESSION

1:00 p.m. to 9:00 p.m.

**Moderator: Kevin Bodge, Ph.D., P.E. Olsen Associates, Inc.**

1:00 p.m.

Welcome – Martin County Commissioner Ed Ciampi

1:10 p.m.

Hurricane Forecasts and Impact Decision Support Information

Robert Molleda, National Oceanic and Atmospheric Administration, National Weather Service, Miami, FL

1:40 p.m.

FEMA Coastal Hazard Mapping and Beyond – What FEMA is Doing to Increase Flood Risk Communication

Michael DelCharco, P.E., Taylor Engineering, Inc., Jacksonville, FL and Christina Lindemer, Federal Emergency Management Agency, Region IV, Atlanta, GA

2:00 p.m.

The 2016 Hurricane Season in Historic Perspective: Matthew, Hermine and Storms from Years Gone By

Michael Jenkins, Ph.D., P.E., Applied Technology and Management, Inc., West Palm Beach, FL

2:20 p.m.

An Inland Perspective on Hurricane Impacts and the 2016 Storm Season

Tim Blankenship, P.E. Moffatt & Nichol, Inc. Miami, Florida

2:40 p.m.

Professional Exchange Break

**Moderator: John Ramsey, P.E., Applied Coastal Research & Engineering**

3:10 p.m.

The Impact of Hurricane Matthew on the Atlantic Coast of Florida

Ralph Clark, P.E., Jennifer Steele, Ph.D., P.G., William Weeks, and Michael Manausa, Division of Water Resource Management, Florida Department of Environmental Protection, Tallahassee, FL

3:35 p.m.

How the USACE's Overall Hurricane Response Efforts Have Evolved, and the Specific Response and Observations Following Hurricane Matthew

Jason Engle, P.E., Kevin Hodgens, P.E. and Jennifer Coor, Ph.D., P.G., U.S. Army Corps of Engineers, Jacksonville District, FL

4:00 p.m.

Hurricane Matthew Impacts to Jacksonville Beaches

Kevin Bodge, Ph.D., P.E. and Steve Howard, P.E., Olsen Associates, Inc., Jacksonville, FL

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**Wednesday, February 8, 2017 continued**

**OPENING SESSION**

**1:00 p.m. to 9:00 p.m.**

**4:25 p.m.**

**Game of Inches: Nuisance Flooding and the King Tide Phenomenon**

**David Kriebel, Ph.D., P.E., Ocean Engineering Department, U.S. Naval Academy, Annapolis, MD**

**4:50 p.m.**

**Sea Level Rise Adaptation for a Portfolio of Assets**

**Angela Schedel, Ph.D., P.E., Commander, U.S. Navy, Ocean Engineering Department, U.S. Naval Academy, Annapolis, MD**

**5:15 p.m.**

**Return Period Economics: The Impact of Sea Level Rise**

**David Kriebel, Ph.D., P.E., Ocean Engineering Department and John Schedel, Ph.D., P.E., Commander, U.S. Navy, Mechanical Engineering Department, U.S. Naval Academy, Annapolis, MD**

**5:40 p.m.**

**Adjourn**

**6:00 p.m.**

**Welcome Reception**

**Location: Exhibit Hall (6:00 - 7:00 pm)**

**7:00 p.m.**

**Game Night—30th annual Celebration**

**Location: Poolside (7:00 pm—9:00 pm)**

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**Thursday, February 9, 2017**

**CONCURRENT SESSIONS**

**8:00 a.m. to 10:05 a.m.**

**SESSION A**

**Moderator: James Houston, Ph.D., USACE Research and Development Center**

**8:00 a.m.**

**Summer Haven River Restoration Project and the Hurricane Matthew Breach**

**Kenneth Craig, P.E. and Michael Trudnak, P.E., Taylor Engineering, Inc., Jacksonville, FL**

**8:25 a.m.**

**Hurricane Matthew Impacts and Response in Indian River County, FL**

**Will Reilly, P.E. and Michelle Pfeiffer, P.E., CB&I, Boca Raton, FL and James Gray, Jr., Public Works, Indian River County, FL**

**8:50 a.m.**

**Pre Post Storm Photographic Assessment of Hurricane Hermine**

**John Bishop, Ph.D. and Andrew Squires, Pinellas County Environmental Management Division, Clearwater, FL**

**9:15 a.m.**

**Honeymoon Island Erosion Control Project Performance during 2016 Tropical Season**

**Brett Moore, P.E., Humiston & Moore Engineers, Naples, FL**

**9:40 a.m.**

**The Tale of Two Storms and Two Islands: 2016 Storm Season Impacts and Response in Anna Maria Island and Lido Key, FL**

**Michelle Pfeiffer, P.E., Thomas Pierro, P.E., and Will Reilly, P.E., CB&I, Boca Raton, FL**

**10:05 a.m.**

**Professional Exchange Break**

**SESSION B**

**Moderator: Lauren Floyd, CB&I**

**8:00 a.m.**

**Lessons Learned Designing and Permitting Living Shorelines and Successful Seagrass Mitigation Options**

**Dianne Rosensweig, M.P.H. and Thomas Ries, Scheda Ecological Associates, Inc., Sarasota and Tampa, FL**

**8:25 a.m.**

**The Evolution of Lake Worth Lagoon Restoration and Living Shorelines Projects**

**David Carson and Eric Anderson, Palm Beach County Department of Environmental Resources Management, West Palm Beach, FL**

**8:45 a.m.**

**Innovative Seagrass Habitat Creation Approach at the Rookery at Perico Preserve in Coastal Southwest Florida**

**Ryan Horstman, ICON Consultant Group, Tampa, FL and Damon Moore, Manatee County Parks and Natural Resources Department, Bradenton, FL**

**9:05 a.m.**

**Grassy Flats Restoration: Creatively Capping Muck to Restore Lake Worth Lagoon**

**Eric Anderson, Palm Beach County Department of Environmental Resources Management, West Palm Beach, FL**

**9:25 a.m.**

**Implementing Living Shorelines in Highly Urbanized Environments**

**Nicole Sharp, P.E., Greg Ward, and David Stout, Environmental Planning and Community Resilience Division, Broward County, FL**

**9:45 a.m.**

**Coastal Restoration with Breakwaters**

**Bruce Hasbrouck, Faller, Davis & Associates, Inc., Tampa, FL**

**10:05 a.m.**

**Professional Exchange Break**

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**Thursday, February 9, 2017**

**CONCURRENT SESSIONS**

**10:35 a.m. to 12:15 p.m.**

**SESSION C**

**Moderator: Lee Weishar, Ph.D., PWS, Woods Hole Group**

**10:35 a.m.**

**Collier County Beach Renourishment Projects: North County and South Marco Island Status of Construction**

**Gary McAlpin, P.E., Coastal Zone Management, Collier County, FL, and Tara Brenner, P.G. and Stephen Keehn, P.E., Coastal Planning & Engineering, Inc., Boca Raton, FL**

**11:00 a.m.**

**Development and Construction of the Longboat Key, FL 2016 Multi-Phase Beach Nourishment Project**

**Albert Browder, Ph.D., P.E. and Juan Florensa, Town of Longboat Key, FL**

**11:25 a.m.**

**Miami Beach Hotspot Project Summer 2016**

**Jamie Monty, Department of Regulatory and Economic Resources, Miami-Dade County, FL and Betsy Wheaton, Environment and Sustainability Department, City of Miami Beach, FL**

**11:50 a.m.**

**Renourishment of Pensacola Beach, FL**

**Krista Egan and Albert Browder, Ph.D., P.E., Olsen Associates, Inc., Jacksonville, FL**

**12:15 p.m.**

**Luncheon**

**SESSION D**

**Moderator: Nicole Sharp, P.E., Broward County**

**10:35 a.m.**

**A Regulatory Perspective on Seagrass Monitoring**

**Jennifer Peterson, Ph.D., Division of Water Resource Management, Florida Department of Environmental Protection, Tallahassee, FL**

**11:00 a.m.**

**A Preliminary Review of Beach Profile and Nearshore Hardbottom Interactions**

**Douglas Mann, P.E., CB&I, Boca Raton, FL**

**11:25 a.m.**

**Regulation and Evaluation of Hardbottom Monitoring**

**Brendan Biggs, Ph.D. and Lainie Edwards, Ph.D., Division of Water Resource Management, Florida Department of Environmental Protection, Tallahassee, FL**

**11:50 a.m.**

**Sand Tracer Study in the Fort Pierce Inlet**

**Erin Hodel, CSA Ocean Sciences Inc., Stuart, FL, Jonathan Marsh, Ph.D., ETS Worldwide Ltd., Helensburgh, UK, Michael Trudnak, P.E., Taylor Engineering, Inc., Jacksonville, FL, and Richard Bouchard, P.E., St. Lucie County Erosion District, Ft. Pierce, FL**

**12:15 p.m.**

**Luncheon**

**Next Page**

**Thursday, February 9, 2017**

**CONCURRENT SESSIONS**

**1:15 p.m. to 3:20 p.m.**

**SESSION E**

**Moderator: Cliff Truitt, Ph.D., P.E. Taylor Engineering, Inc.**

**1:15 p.m.**

**Improving Coastal Resilience through Dunes**

**Doris Otero, Michelle Pfeiffer, P.E., and Thomas Pierro, P.E.,  
CB&I, Boca Raton, FL**

**1:40 p.m.**

**Sediment Sorting During Coastal Restoration Projects:  
Implications for Resource Management, Environmental  
Impacts, and Multiple Use Conflicts**

**Katherine Brutsché, Ph.D., Coastal Hydraulics Laboratory, U.S.  
Army Engineer Research and Development Center, Vicksburg,  
MS and Douglas Piatkowski, Bureau of Ocean Energy  
Management, Headquarters, Department of the Interior,  
Sterling, VA**

**2:05 p.m.**

**Web Application for Siting Nearshore Placement Areas of  
Dredged Sediment**

**Katherine Brutsché, Ph.D. and Brian McFall, Ph.D., Coastal  
Hydraulics Laboratory, U.S. Army Engineer Research and  
Development Center, Vicksburg, MS**

**2:30 p.m.**

**Proof of Concept Tests UAS Feasibility for Coastal Surveys**

**Tim Cawood, PLS, McKim & Creed, Inc., Wilmington, NC**

**2:55 p.m.**

**Applications of Full Motion Video (FMV) Technology in  
Examining Coastal and Nearshore Issues**

**Jodi Harney, Ph.D. and Dustin Myers, CSA Ocean Sciences Inc.,  
Stuart, FL**

**3:20 p.m.**

**Professional Exchange Break**

**SESSION F**

**Moderator: Doug Mann, P.E., CB&I**

**1:15 p.m.**

**Seagrass Monitoring at Two Different Sites for the Miami  
Harbor Phase III Federal Channel Expansion Project**

**Martha Robbart, Alex Schroder, Christina Marmet, Ryan Fura,  
Kristian Rogers, and William Precht, Dial Cordy and  
Associates, Inc., Miami, FL**

**1:30 p.m.**

**Julia Tuttle Seagrass Mitigation Site – Restoration of a  
Historic Dredge Hole in Biscayne Bay, Florida**

**Michael Barnett, P.E., Tetra Tech, Inc., Mobile, AL and Terri  
Jordan-Sellers, U.S. Army Corps of Engineers, Jacksonville  
District, FL**

**1:45 p.m.**

**Miami Harbor Mitigative Artificial Reef**

**Jesse Davis, P.E., Tetra Tech, Inc., Boynton Beach, FL and  
Terri Jordan-Sellers., U.S. Army Corps of Engineers,  
Jacksonville District, FL**

**2:00 p.m.**

**We Built it. Did they come?**

**Terri Jordan-Sellers, U.S. Army Corps of Engineers,  
Jacksonville District, FL**

**2:15 p.m.**

**Deciphering Between Project-Related and Regional Impacts  
to Coral Reef Communities Near the Miami Harbor Dredging  
Project – The Science Behind the Story**

**William Precht, Brooke Gintert, Jason Croop, Ryan Fura,  
Lindsey Precht, Kristian Rogers, Alex Schroeder, M. Strueben,  
and Martha Robbart, Dial Cordy and Associates, Inc., Miami,  
FL and Terri Jordan-Sellers, U.S. Army Corps of Engineers,  
Jacksonville District, FL**

**2:35 p.m.**

**The Impacts of Dredging on Reefs: Lessons from the Port of  
Miami Expansion**

**Rachel Silverstein, Ph.D., Miami Waterkeeper, Miami, FL**

**3:00 p.m.**

**Discussion**

**3:20 p.m.**

**Professional Exchange Break**

**Thursday, February 9, 2017**

**CONCURRENT SESSIONS**

**3:50 p.m. to 5:20 p.m.**

**SESSION G**

**Announcement of Student Scholarship Winner**

**Moderator: Chris Creed, P.E., Olsen Associates, Inc.**

**3:50 p.m.**

**Comparisons of Florida Department of Environmental Protection (FDEP) and Federal Emergency Management Agency (FEMA) 100-yr (1% annual chance) Coastal Water Levels**  
Christopher Bender, Ph.D., P.E. and William Miller, Ph.D., P.E., Taylor Engineering, Inc., Jacksonville, FL and Ashley Kauppila, P.E., Taylor Engineering, Inc., Charlottesville, VA

**4:15 p.m.**

**Nearshore Morphology Response to Hurricane Matthew**  
Irene Watts, George Maul, Ph.D., and Gary Zarillo, Ph.D., P.G., Department of Ocean Engineering and Sciences, Florida Institute of Technology, Melbourne, FL

**4:40 p.m.**

**Numerical Simulations of Morphological Changes in Barrier Islands and Inlets Induced by Storm Surges and Waves**  
Yan Ding, Ph.D., Coastal Hydraulics Laboratory, U.S. Army Engineer Research and Development Center, Vicksburg, MS

**5:05 p.m.**

**Morphological Modeling of Inlets and Adjacent Shorelines on Engineering Timescales: Challenges and Model Improvements based on Recent Studies on the West Coast of Florida and North Carolina**  
Lindino Benedet, Joao Dobrochinski, Morjana Signorin, and Thomas Pierro, P.E., CB&I, Boca Raton, FL

**5:30 p.m.**

**Adjourn**

**SESSION H**

**Announcement of Student Scholarship Winner**

**Moderator: Michael Barnett, P.E., Tetra Tech, Inc.**

**3:50 p.m.**

**Development of a Decision Support Tool to Reduce Sea Turtle Dredging Entrainment Risk**  
Douglas Piatkowski, Bureau of Ocean Energy Management, Headquarters, Department of the Interior, Sterling, VA

**4:15 p.m.**

**Sea Turtle Relocation Trawling: Satellite-tags Providing New Data for the Gulf of Mexico**  
Kristen Hart, Ph.D., Margaret Lamont, Ph.D., Michael Cherkiss, Autumn Iverson, Andrew Crowder, Devon Nemire-Pepe, U.S. Geological Survey, Davie and Gainesville, FL and Jessica Mallindine and Michael Miner, Ph.D., P.G., Bureau of Ocean Energy Management Headquarters, Department of the Interior, New Orleans, LA

**4:40 p.m.**

**The New Age of Sea Turtle Permit-Compliance Monitoring: Using Laser-Sighted GPS to Enhance Coastal Lighting Evaluations**  
Joseph Scarola, Ecological Associates, Inc., Jensen Beach, FL

**5:05 p.m.**

**Advances in Coastal Mapping and Modeling for the Florida Beaches Habitat Conservation Plan (FBHCP)**  
Jennifer McGee, Ph.D., Florida Fish and Wildlife Conservation Commission, Tallahassee, FL, Amy Knight, Florida National Area Inventory, Tallahassee, FL, and Michael Flaxman, Ph.D., GeoDesign Technologies, Inc., San Francisco, CA

**5:30 p.m.**

**Adjourn**

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**Friday, February 10, 2017****CLOSING GENERAL SESSION****7:30 a.m. to 12:15 p.m.****Moderator: Michael Poff, P.E., Coastal Engineering Consultants, Inc.****7:30 a.m. Professional Exchange Break****8:00 a.m.****Shoreline Change in Response to Sea Level Rise on Florida's Panhandle Coast****James Houston, Ph.D., U.S. Army Engineer Research and Development Center, Vicksburg, MS****8:25 a.m.****Update on NMFS Southeast Regional Office's Endangered Species Action Section 7 Consultations****Rachel Sweeney, National Oceanic and Atmospheric Administration, National Marine Fisheries Service Southeast Regional Office, St. Petersburg, FL****8:50 a.m.****Beach and Barrier Island Restoration Project – Dauphin Island, Alabama****Scott Douglass, Ph.D., South Coast Engineers, Fairhope, AL****9:15 a.m.****The “Biggest,” the “Baddest,” and the “Bestest” – Coastal Restoration Cajun Style****Michael Poff, P.E., Coastal Engineering Consultants, Inc., Naples, FL****9:40 a.m.****Harbor Town Golf Links 18<sup>th</sup> Green Shoreline Stabilization and Marsh Restoration Project****Christopher Creed, P.E., Olsen Associates, Inc., Jacksonville, FL****10:05 a.m. Professional Exchange Break****Moderator: Erin Hodel, CSA Ocean Sciences Inc.****10:35 a.m.****Fast Tracking the Martin County Bathtub Beach Dune Project****Robert Barron, Coastal Management and Consulting, Coastal Growers, Inc., Boynton Beach, FL****11:00 a.m.****Long Term Success and Future Approach of the Captiva and Sanibel Islands Beach Renourishment Program****Thomas Pierro, P.E., Michelle Pfeiffer, P.E., and Stephen Keehn, P.E., CB&I, Boca Raton, FL and Kathleen Rooker, Captiva Erosion Prevention District, Captiva, FL****11:25 a.m.****Which Way Do We Go? Regional Sediment Management and Improved Inlet Management****John Duchock, P.E., Town of Jupiter Island, FL and Michael Jenkins, Ph.D., P.E., Applied Technology and Management, Inc., West Palm Beach, FL****11:50 a.m.****Chula Vista Bayfront Sea Level Rise Analysis & Emergency Shoreline Stabilization****Bryan Flynn, P.E., Robert Battalio, P.E., Nick Garrity, P.E., and Lindsey Sheehan, P.E., Environmental Science Associates, Tampa, FL and Linda Scott, Port of San Diego, CA****12:15 p.m. Conference Adjourns****Next Page**

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## Game Night - a 30th Annual Celebration



## Morning Beverage Breaks



## Ice Cream Social



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## Pretzels & Candy Bar Break



## Sweets & Treats Break



## Friday Breakfast Break



## Friends of FSBPA



# 30<sup>th</sup> Annual National Conference on Beach Technology Exhibitors



## FEDERAL PROJECT STATUS UPDATES – February 2017

U.S. Army Corps of Engineers  
Jacksonville District



### FEASIBILITY STUDIES:

#### Flagler County

The Chief of Engineer's Report was signed by Lieutenant General Thomas Bostick on December 23, 2014. With this signing, the USACE is certifying that the beach and dune project is environmentally sound and economically beneficial to the nation. The report was transmitted to Congress by the Assistant Secretary of the Army for Civil Works (ASA(CW)) and was authorized in the Water Infrastructure Improvements for the Nation (WIIN) Act of 2016. The non-federal sponsor and the USACE plan to execute a contributed funds design agreement in early March 2017.

#### St. Johns County

The St. Johns County feasibility study includes beach and dune nourishment within the Vilano Beach reach and a small portion of the South Ponte Vedra Beach reach. The design includes construction of a 60 foot equilibrated berm extension from the +8.0 foot 1988 North Atlantic Vertical Datum (NAVD88) contour between the reference monuments R103.5 and R116.5 along 2.6 miles of shoreline. The project template will include a dune feature varying in height between +14.0 to +20.0 feet NAVD88, reflecting the average 2015 dune position. One thousand foot tapers will extend from the northern and southern ends of the berm extension, connecting the extension to the existing shoreline. The addition of tapers results in sand placement from R102.5 to R117.5 along 3 miles of shoreline. The St. Augustine Inlet system will be the sand source for the Recommended Plan. The next milestone is the Civil Works Review Board (CWRB) which is scheduled for March 2017. The purpose of the CWRB is to determine that the final decision and NEPA documents, and the proposed Report of the Chief of Engineers are ready to release for State and Agency (S&A) Review. The Final Chiefs Report is scheduled to be signed in May 2017.

**St. Lucie County** – Re-scoping efforts were completed in FY2014 to modify the scope of the study to WRRDA 2014 USACE SMART Planning 3x3x3 standards. Vertical team concurrence that the St. Lucie feasibility study is in compliance with SMART planning was received on October 21, 2014. The team presented the focused array of alternatives at the Alternatives Milestone Meeting (AMM) in June 2015 and the Tentatively Selected Plan at the Tentatively Selected Plan (TSP) Milestone Meeting in April 2016. The draft report was then released to the agencies and the public for comment. The next milestone is the Agency Decision Milestone (ADM) in which the USACE vertical team endorses the recommended plan. The ADM is scheduled for November 2017. Following the ADM is the CWRB scheduled for July 2017.

### OTHER MAJOR PLANNING REPORTS:

#### Brevard County North & South Reach

A Project Information Report (PIR) is underway for the North and South Reaches of Brevard County, FL.

#### Broward County Shore Protection Project - Segment III

Broward County submitted a letter of interest in March 2016 to request extension of the Federal project an additional 15 years. Broward County is under procurement to obtain an A/E to initiate the LRR for Segment III. Additionally a PIR is underway for the Segments II and III.

**Ft. Pierce Shore Protection Project**

Limited activities related to the 11<sup>th</sup> renourishment will begin in October 2016. The 11<sup>th</sup> renourishment in FY 2016 is dependent on either work plan funding OR FCCE funding from Hurricane Matthew (a Project Information Report (PIR) is underway). The County is assisting in obtaining surveys that will be used to calculate quantity lost by the Hurricane and will be used for the PIR.

**Jupiter/Carlin Shore Protection Project**

Palm Beach County has submitted a draft Section 934 report and NEPA document for the Jupiter/Carlin Segment to extend Federal participation for the next renourishment and out to 50 years of Federal participation. Following review of the data and report, revisions were recommended to the Beach-fx model. Having received Federal funds for Palm Beach County projects, the model revisions and completion of the 934 report are being conducted at the Jacksonville District. The Tentatively Selected Plan (TSP) Milestone Meeting was held in January 2017; the report is scheduled to be released to the public in Feb/March 2017. Additionally a PIR is being prepared in response to Hurricane Matthew.

**Lee County, Gasparilla**

A Section 934 report has been initiated to determine the Federal interest in extension of Federal participation in cost-sharing from the current 10 years to a 50-year period of Federal participation, or an additional 40 years. The Tentatively Selected Plan (TSP) Milestone Meeting was held on October 17, 2016. The draft report was released for agency and public comment and an Agency Decision Milestone (ADM) meeting will be held in February 2017.

**Manatee County Shore Protection Project**

The Project Delivery Team (PDT) is working on various activities in preparation for the 2022 renourishment and permitting of the expanded borrow area. The sponsor has provided funding for this effort. The next team meeting scheduled for November 2016.

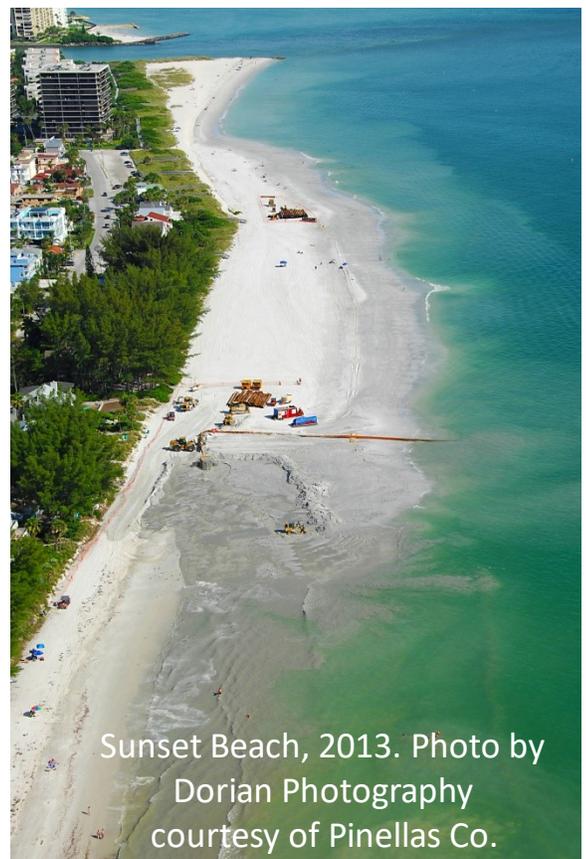
**Pinellas County**

There was a Congressional Visit on July 26, 2016 to investigate Shell Key preserve as a potential CAP Section 206 or as a borrow source for the shore protection project. Local interest includes homeowners, Tampa Bay Watch, and the County, no formal CAP request has been received to date.

Sand Key: Multiple activities are underway to prepare for the 4<sup>th</sup> Renourishment of Sand Key. The 4<sup>th</sup> Renourishment is expected to be advertised in January of 2017 and awarded in February. The PIR prepared for the Sand Key Segment recommends P.L. 84-99 assistance due to Hurricane Hermine. The PIR was transmitted to SAD on 28 October 2016.

Long Key: The 7<sup>th</sup> Post construction monitoring data assessment is underway. The PIR does not recommend P.L. 84-99 assistance for Long Key.

Treasure Island: The 10<sup>th</sup> Post-construction monitoring data assessment is underway. The PDT is investigating the ability to utilize current Construction General (CG) funds on hand to initiate Section 1037 WRRDA 14 analysis for the extension of 15 years of federal participation. Treasure Island federal participation is set to expire in 2022. The PIR does not recommend P.L. 84-99 assistance for Treasure Island.

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Sunset Beach, 2013. Photo by  
Dorian Photography  
courtesy of Pinellas Co.

**REGIONAL SEDIMENT MANAGEMENT (RSM):**

The Jacksonville District has been officially named the South Atlantic Division's Center of Expertise (CX) for RSM. With this designation, SAJ will lead a virtual team of subject matter experts from SAD to further operationalize RSM throughout the District. Work has begun to quantify the value of RSM provided by jointly managing navigation, coastal storm risk management (CSR), and ecosystem restoration projects.

**South Atlantic Comprehensive Coastal Study (SACCS) / RSM Strategy**

Initial coordination to include scope and Project Management Plan (PMP) development are tentatively moving forward as determination of path forward regarding Authority and funding are finalized.

**SAD RSM Optimization Pilot**

The pilot has been presented to USACE Major Subordinate Command (MSC) Operations Chiefs as well as USACEHQ Navigation and other HQ leaders. Feedback has been extremely positive and a meeting will be scheduled with MG Jackson and Mr. Stockton. Roll out to begin with other MSC's.

**ENGINEERING AND DESIGN:****Nassau County**

The Nassau County Shore Protection Project (NCSPP) is located from FDEP "R" monuments R-13 to R-33; there has been an existing RSM strategy of placing beach quality material dredged from the Kings Bay Entrance Channel (KBEC) maintenance dredging project and placing within the NCSPP template. An acquisition strategy has been developed which will allow for a more effective placement of material within the NCSPP which minimizing overall costs to the NCSPP and KBEC Project. The current acquisition for the KBEC Project (which includes a NCSPP renourishment component) has been awarded and is expected to begin in January 2017. A PIR is underway due to Hurricane Matthew.

**St. Johns County, St. Augustine Beach**

The engineering team is currently evaluating monitoring data to revise the erosion rates and quantities for the next renourishment event. Investigation into potential offshore sand sources is ongoing. The next renourishment is scheduled for 2017. A PIR is underway due to Hurricane Matthew.

**Sarasota County, Lido Key**

Two Big Key Milestones Achieved: The PDT release the draft EA/draft FONSI for public comment/review on 30 Mar 2015. The FDEP JCP application was also submitted to the State on 15 Mar 2015. The application represent the latest design of the groins. This is a significant cost savings to the project (reduction of approximately 11,000 Tons of Granite Armor Stone) and it removes a major hurdle for the project to overcome. A NEPA public meeting was held on 15 Apr 2015 at City Hall City of Sarasota. The public comment period for NEPA closed on 15 May and the PDT is addressing over 300 comments provided by the public through the NEPA process. FDEP provided RAI comment on 15 Apr 2015. PDT has finalized responses to RAI and submitted response to FDEP on 04 September 2015. FDEP requested 2<sup>nd</sup> RAI on 07 October 2015. PDT is working to respond to 2<sup>nd</sup> RAI. A newly proposed mitigation site has been identified and the PDT is coordinating with FDEP and FWSS for acceptance. Sarasota County's consultant (ATKINS) has released comments to their Peer review. PDT is working on response to the ATKINS report. PED phase will be complete with acquisition of permit and project will be ready for New Start Construction funding by 1<sup>st</sup> quarter FY17. SAJ PDT responded to FDEP for 2<sup>nd</sup> RAI on 1 August 2016. On 31 August the team requested a 30 day waiver to provide FDEP with additional time to review the submitted package and to obtain additional documentation needed from Manatee County. Manatee County approved the use of Perico Seagrass Mitigation site on 28 September. Team received Notice of Completeness from FDEP on 30 September. The Notice of Intent was issued by FDEP 22 December 2016. There are 3 formal petitions of the permit at this time. FDEP is reviewing the petitions to determine if they have merit.

**CONSTRUCTION:****Brevard County Mid-Reach**

The General Reevaluation Report (GRR) and Supplemental EIS (SEIS) was approved in September 2014 with the ROD signed by the Assistant Secretary of the Army for Civil Works. The Design Agreement was executed in October 2014 and the Pre-Construction Engineering and Design (PED) kickoff meeting was held in December 2014. The contract was awarded to Shoreline Foundation, Inc on 29 Sept 2016. Construction Division is preparing for the pre-construction conference.

**Broward County Shore Protection Project - Segment II 2<sup>nd</sup> Renourishment**

Construction recommencement was kicked off on October 27. Construction is scheduled to be complete at the end of January. Approximately 565,000 of the 665,000 cy of sand has been placed on the project (85% complete). A PIR for Segments II and III are underway in response to Hurricane Matthew.



*Photo of Broward County during previous Beach Renourishment (2014)*

**Dade County Renourishment**

Final approval of the Limited Re-evaluation Report (LRR) and Environmental Assessment (EA) from South Atlantic Division was completed on 24 March 2016. A PIR is underway in response to Hurricane Matthew.

*FY 16 Renourishment:* The team held several public meetings in Miami as the kickoff to this summer's Miami Beach renourishment. The Truck Haul project will place an estimated 200,000 cy of material at two troublesome hot spots in Miami Beach for a total of \$11.9m. Construction at the 46<sup>th</sup> street location 1 of 2 is now completed. The contractor is demobilizing and returning to complete 55<sup>th</sup> street in January. The period of performance is until April of 2017.

*FY 17 Renourishment (Sunny Isles):* Team working on completion of draft plans and specs. R-7 through R-15 is currently permitted for truck haul. PM would like to add use of IWW material to help curb costs of truck haul and enlarge placement from R-15 to R-19. Two separate FDEP permit modifications are needed. ETOF is needed from EN-DW to initiate these permit actions.

**Duval County**

Renourishment is currently underway with the \$13.5M awarded contract to Great Lakes. Approximately 700k cy of sand will be placed along Jacksonville, Atlantic and Neptune beaches. A PIR is underway in response to Hurricane Matthew. Hurricane Matthew struck the Duval Shore Protection Project in the middle of its sixth renourishment. The hurricane delayed the renourishment because the contractor's dredge was fully booked with previous contractual agreements requirements that caused the restoration work to be paused on December 3, 2016. The work will be reinitiated in May of 2017.

**Sarasota County, Venice**

LRR: SAD provided comments on the Draft LRR on 24 Nov 2014. LRR has been endorsed to SAD on 27 Jan 2016.

FY14 Award: Contract was awarded to GLDD on 25 Sep 2014 under MATOC Group 4. Estimated quantity to be placed on the beach is approximately 750,000 CY. The Pre-Con meeting was held on 13 Nov 2014. Dredging commenced on 16 Jan 2015. Project was physically completed on 12 Apr 2015. On 02 April 2015, approximately 2000 CY of material was leaked from the floating dredge pipeline. GLDD has performed the corrective action plan and FDEP has provided clearance on the remediation action. Area Office has finalized the Final Estimated Quantities modification (a decreased of approx. \$403K).

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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 27-29, 2017**

**60th Annual Conference**

**Westin Fort Lauderdale Beach Resort**

**Fort Lauderdale, FL**

**OTHER DATES OF INTEREST**

**February 24-26, 2017**

**20th Annual Florida Marine Turtle Permit Holder Meeting**

**Wyndham Garden Hotel**

**Gainesville, Florida**

**February 28-March 2, 2017**

**ASBPA Coastal Summit**

**Washington, DC**

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