

# Shoreline

July 2011

news from the Florida Shore & Beach Preservation Association

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## 55<sup>th</sup> FSBPA Annual Conference September 14-16, 2011 Eden Roc Renaissance \* Miami Beach, Florida

FSBPA's 55<sup>th</sup> fall meeting promises to be an exceptional event. We are pleased to present on the following pages the program being offered at the annual conference, September 14-16, 2011, at the Eden Roc Renaissance, Miami Beach. We hope you agree that after looking over the individual topics, distinguished speakers and panel discussions, you will not want to miss this conference.

We are especially excited about the host site. This upcoming visit to Miami Beach, the coastal community that served as the major catalyst for Florida's successful beach management program, is long overdue. As part of the conference, we will celebrate the Miami-Dade County shore-protection project – its rich history, outstanding physical performance over the years, and the demonstrated economic benefits that provided the justification and [Continued on next page](#)

### IMPORTANT LINKS

[Award Nominations](#)

Deadline is July 15, 2011

[Hotel Information](#)

Reservation deadline is  
August 13, 2011

[Conference Registration](#)

Early Registration ends  
August 13, 2011

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Eden Roc Renaissance, Miami Beach, FL

The conference program is available on the following pages.

Palm Beach County DERM Monthly Report



[\*Calendar of Events\*](#)

[\*About Shoreline\*](#)

**Florida Shore & Beach Preservation Association**



*Aerial view of Miami Beach*

political support that resulted in our current statewide program which maintains 218 miles of Florida's beaches. We hope the quality of the program and the attendance at this year's conference adequately expresses the Association's appreciation for the leadership and vision Miami-Dade County demonstrated decades ago when it pursued a beach nourishment project of unprecedented size, scope and cost.

This year's conference has an overriding focus on the sustainability of the State's beach program – its survival and growth during these fiscally challenging times. The realities are fairly simple, the solutions are not. Current direction from Tallahassee and Washington lawmakers is quite

specific. We need a more cost-effective regulatory program for permitting beach nourishment projects, and intergovernmental funding for such projects must be more strategic and better coordinated. We need to do more with less, streamline regulatory processes, and put fewer dollars to work in a much more timely fashion. Now is the time for us to further contribute to the discussion. Be assured permitting reform will be a priority of the 2012 Florida Legislature and scrutiny of state trust fund balances including beach project expenditures will be a focus of the appropriations process. We are fortunate to have the Secretary of the Department of Environmental Protection, Herschel Vinyard, opening the conference. There will also be an extended panel discussion on expediting the permitting process for beach nourishment projects. We are hopeful this distinguished panel of agency leaders, experts, and local government will identify issues, problems and even offer recommendations that will benefit the upcoming legislative debate. Other program topics will try to help us all better understand when is the best time for local sponsors to ask for state and federal funds; appropriations simply can no longer sit idle in trust funds regardless of the reasons why. The timing of funding requests will also be the subject of a Corps presentation on federal budgeting for Florida's beach projects in a post-earmarks environment. Benefitting from these regulatory reform and funding discussions, the framework is set to better appreciate a number of the remaining presentations on local government efforts to fund projects with less, to insure program sustainability, and creative case studies on the survival of local beach management programs.



*Herschel Vinyard, Jr.*



*Senator Dennis Jones*

We also have a few unique program presentations that we hope will be of considerable interest and enjoyment to you. Senator Dennis Jones, District 13, Pinellas, and Florida's official "Sandman" will reflect back over more than three decades of advocacy on behalf of our beaches, and also share his concerns and predictions for the future. In keeping with this opportunity for reflection, we have planned a roundtable discussion with a number of Florida's senior coastal statesmen to share anecdotal words of wisdom or lessons learned over the years regarding how projects have performed, the politics of project selection and funding, and public perception. Intent is to informally share stories, and let our guard down in order to share valuable insights to benefit the future. We hope the audience will add to the discussion as well.

These are just selected conference highlights. Add to this a very expert and diverse group of other presentations, a great destination, an anticipated group of 2011 FSBPA award winners, good company and we sure hope you will join us!

## 55<sup>th</sup> FSBPA Annual Conference Speaker Program

**Wednesday, September 14, 2011**

10:30 a.m. to 11:30 a.m.

### **COASTAL STRUCTURES 101**

**Kevin Bodge, Ph.D., P.E., Olsen Associates, Inc., Jacksonville, FL**

**1:00 p.m.**

#### **Opening Remarks**

Virginia Barker, Chair, FSBPA and Brevard County  
Natural Resources Management Office, Viera, FL

**1:15 p.m.**

#### **Session and Keynote Speaker Introductions**

Senator Dennis Jones, Florida Senate, District 13

**1:20 p.m.**

#### **The Keynote Address: Florida's Department of Environmental Protection and Beach Management**

Herschel Vinyard, Jr., Secretary, Florida Department of  
Environmental Protection, Tallahassee, FL

**1:50 p.m.**

#### **Recognizing the Legendary Miami-Dade County Shore Protection Project**

Brian Flynn, Special Projects Administrator, Miami-Dade County Environmental Resources Management, Miami, FL

**2:15 p.m.**

#### **The Value of Beaches to Local Tourism**

Rolando Aedo, Executive Vice President, Chief Marketing Officer, Greater Miami Convention & Visitors Bureau, Miami, FL

**2:40 p.m.**

#### **Budgeting for Florida's Federal Shore Protection Funding Needs, Post-Earmarks**

David Hobbie, Deputy District Engineer for Project Management, Jacksonville District, U.S. Army Corps of Engineers,  
Jacksonville, FL

**3:05 p.m.**

#### **Professional Exchange Break**



Photo courtesy of Greater Miami Convention & Visitors Bureau

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## 55<sup>th</sup> FSBPA Annual Conference Speaker Program

### Wednesday, September 14, 2011

3:35 p.m.

**Beach Management: Doing More with Less**

Michael Walther, P.E., D.CE., President, Coastal Technology Corporation, Vero Beach, FL

4:00 p.m.

**Expediting the Permitting Process for Beach Nourishment Projects: A Panel Discussion**

Jeff Littlejohn, P.E., Deputy Secretary, Regulatory Programs, Florida Department of Environmental Protection, Tallahassee, FL

Eric Summa, Environmental Branch Chief, Planning Division, Jacksonville District, U.S. Army Corps of Engineers, Jacksonville, FL

Kevin Bodge, Ph.D., P.E., Senior Vice President, Olsen Associates, Inc., Jacksonville, FL

Dan Bates, Environmental Resources Management Director, Palm Beach County, West Palm Beach, FL

Diana Ferguson, Rutledge, Ecenia & Purnell, P.A., Tallahassee, FL

5:05 p.m.

**Adjourn**

6:30 p.m. to 7:30 p.m.

**Welcome Reception**

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## 55<sup>th</sup> FSBPA Annual Conference Speaker Program

**Thursday, September 15, 2011**

**8:00 a.m.**

**Professional Exchange Break**

**8:25 a.m.**

**How the Town of Longboat Key Funds its Beach Management Program: The Good, the Bad & the Ugly**

Juan Florensa, Public Works Director, Town of Longboat Key, FL

**8:50 a.m.**

**Beach Management Program Sustainability**

Christopher Creed, P.E., Vice-President, Olsen Associates, Inc., Jacksonville, FL and Scott Liggett, Director of Public Projects and Facilities, Town of Hilton Head Island, SC

**9:15 a.m.**

**Optimizing Project Cost, Performance and Durability in a Slow Economy: Collier County, Beaches, Florida**

Gary McAlpin, P.E., Coastal Zone Management Director, Collier County, Naples, FL and Stephen Keehn, P.E., Senior Coastal Engineer, Coastal Planning & Engineering Inc., Boca Raton, FL

**9:40 a.m.**

**When to Ask for State Funding for Your Project:**

*“The State’s Perspective from the Governor’s Office to the Legislature”*

Lisa Armbruster, Director of Governmental Affairs, FSBPA, Tallahassee, FL

*“What Goes Into a Local Sponsor’s Decision Regarding When to Ask”*

Charlie Hunsicker, Director, Natural Resources Department, Manatee County, Bradenton, FL

*“How Can Design Professionals Contribute to Getting the Timing Right”*

Thomas Pierro, P.E., D.CE., Senior Coastal Engineer, Coastal Planning & Engineering, Inc., Boca Raton, FL

**10:15 a.m.**

**Professional Exchange Break**

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## 55<sup>th</sup> FSBPA Annual Conference Speaker Program

**Thursday, September 15, 2011**

**10:45 a.m.**

**Looking Back at Over 30 years as the Sandman and Anticipating the Challenges Ahead**

Senator Dennis Jones, District 13, Pinellas County, FL

**11:10 a.m.**

**Pay it Forward or Pass it On: Anecdotal Words of Wisdom and Lessons Learned Regarding Project Performance, the Politics of Project Selection and Funding, and Public Perception**

*A Roundtable Discussion with Florida's Senior Coastal Statesmen, including:*

Tom Campbell, P.E., D.CE., Executive Director, Coastal Planning & Engineering, Inc., Boca Raton, FL

Ken Humiston, P.E., Co-Founding Partner, Humiston & Moore Engineers, Naples, FL

Erik Olsen, P.E., President, Olsen Associates, Inc., Jacksonville, FL

Michael Walther, P.E., D.CE., President, Coastal Technology Corporation, Vero Beach, FL

**12:10 a.m.**

**Adjourn**

**12:15 pm**

**FSBPA Annual General Membership Meeting**

**6:00 p.m.**

**Cash Bar**

**6:30 p.m.**

**Annual Awards Banquet**

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## 55<sup>th</sup> FSBPA Annual Conference Speaker Program

**Friday, September 16, 2011**

**7:30 a.m.**

**Professional Exchange Break**

**8:15 a.m.**

**A Tribute to Charlie Stevens, Project Manager, Jacksonville District, U.S. Army Corps of Engineers**

Richard Bonner, Deputy District Engineer, *retired*, Jacksonville District, U.S. Army Corps of Engineers, Jacksonville, FL



**8:35 a.m.**

**FY 2012 and Beyond: Florida's Federally-Authorized Beach Projects and Funding Outlook**

Colonel Al Pantano, District Engineer, Jacksonville District, U.S. Army Corps of Engineers, Jacksonville, FL

**9:05 a.m.**

**Longboat Pass Unites Local Governments**

Tom Campbell, P.E., Executive Director, Coastal Planning & Engineering, Inc., Boca Raton, FL; Charlie Hunsicker, Director, Natural Resources Department, Manatee County, Bradenton, FL; Bruce St. Denis, Town Manager, Town of Longboat Key, FL

**9:30 a.m.**

**The South Lake Worth Inlet Projects (Sand Transfer Plant, Seawall, and Jetties), Rebuilding Three Projects for the Price of One...**

Leanne Welch, Environmental Program Supervisor, Palm Beach County Environmental Resources Management, West Palm Beach, FL

**9:55 a.m.**

**Professional Exchange Break**

**10:20 a.m.**

**Hideaway Beach Erosion Control Project: Sustainable Beach Fill Stabilization with Phased Construction of Erosion Control Structures**

Ken Humiston, P.E., Co-Founding Partner and Steve Foge, Senior Engineer, Humiston & Moore Engineers, Naples, FL

**10:45 a.m.**

**The Role of the Federal Government in Water Resources**

Michael Willis, Principal, Marlowe & Company, LLC, Washington, DC

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## 55<sup>th</sup> FSBPA Annual Conference Speaker Program

### **Friday, September 16, 2011**

**11:10 a.m.**

**Improving Interagency Coordination -- the Bureau of Ocean Energy Management, Regulation and Enforcement**

Jennifer Culbertson, Ph.D., Biological Oceanographer, Bureau of Ocean Energy Management, Regulation and Enforcement, Herndon, VA

**11:35 a.m.**

**The Evaluation of Artificial Reefs as Appropriate Mitigation for Beach Nourishment: An Innovative Look for Future Methodology and Potential Cost Savings**

Lindsay Aylesworth, Marine Biologist, Coastal Planning & Engineering, Inc., Boca Raton, FL

**12 noon**

**Conference Adjourns**

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## THE BEACHES 101 SERIES: Coastal Structures

Dr. Kevin Bodge, Olsen Associates, Inc., Jacksonville Florida

Wednesday, September 14, 2011 – 10:30 to 11:30 a.m.

For laymen or those who might enjoy a brief “refresher” presentation.

The class will describe how coastal structures – groins, breakwaters, revetments/seawalls – can both control and cause erosion of our beaches. A historical perspective of the use of such structures will highlight a time when they were virtually banned as well as why their cautious use is reemerging today. Useful or harmful?

You can indicate on the online or paper conference registration form , if you plan to attend on Wednesday morning, 10:30 to 11:30 a.m., September 14, 2011.



Hollywood Beach, Florida 1960's

## FSBPA Annual Conference Award Nominations

**Deadline is Friday, July 15, 2011**

**Awards Banquet, Thursday September 15, 2011  
6:30 to 9:00 p.m.**

You are invited to make nominations for FSBPA's Annual Conference Awards Program. The Awards will be presented during the Annual Awards Banquet on Thursday evening, September 15, 2011. There will be a special award presentation on Friday morning, September 16, 2011, by Richard Bonner, presenting the Richard E. Bonner Award posthumously to our good friend, Charlie Stevens.

The Awards Committee is looking for specific activities and accomplishments of your nominee rather than general background. On a separate page, state why your nominee should be considered, listing specific reasons or accomplishments. Attach supportive materials (newspaper articles, resolutions, etc.) which you believe merit consideration for an award.

Listed below are the award categories. **For complete details and to submit your award nomination, visit [www.fsbpa.com/awards.htm](http://www.fsbpa.com/awards.htm).**

### Awards Committee

**Charlie Hunsicker, Chair  
Paul Dorling  
Bruce St. Denis**

#### **Stan Tait Award**

For truly outstanding contributions in the preservation of Florida's beaches over a period of many years. These contributions may be for political, administrative, scientific, engineering or environmental achievements. This is FSBPA's highest award, named after the long-time leader of FSBPA. Non-Floridians are eligible.

#### **Per Bruun Distinguished Service Award**

For significant contributions in the cause of beach preservation. Unlike the Stan Tait Award, this can be awarded for a single noteworthy project or accomplishment. Non-Floridians are eligible. This award is named after the first Director of Coastal Engineering, University of Florida and founder of FSBPA in 1957.

#### **Bob Dean Coastal Research Award**

For outstanding research into beach and coastal processes which contributes to improved beach management. This award is named after the University of Florida distinguished research professor and FSBPA's Chair Emeritus.

#### **Jim Purpura/T.Y. Chiu Engineering Award**

For outstanding contribution to coastal engineering that enhances beach preservation. The award may be in recognition of innovative scientific research or for long excellence and contributions in coastal engineering. Non-Floridians are eligible. This award is named after the two scientists who pioneered Florida's coastal construction control line program.

#### **The Richard E. Bonner Award**

Recognizing outstanding service by an individual representing the U.S. Army Corps of Engineers.

#### **Local Government Award**

For a local government official who has contributed significantly to beach preservation and enhancement. Only Floridians are eligible.

#### **Legislative Award**

To the state or national lawmaker who has provided outstanding leadership in terms of funding or program support for managing our beaches.

#### **Environmental Award**

For outstanding contributions toward protection of the coastal environment.

#### **Member of the Year Award**

To a member of FSBPA, for outstanding service to the association.

#### **Public Service Award**

To a public employee whose service reflects admirably on the governmental sector, specifically in the area of beach management.

#### **Private Citizen Award**

For a private citizen who has made a significant contribution to the cause of beach preservation in Florida. Only Floridians are eligible.

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US Army Corps  
of Engineers

## US ARMY CORPS OF ENGINEERS BRIEFING

by Candida Bronson, Chief, Coastal/Navigation Section, Jacksonville District

July 11, 2011

### PROGRAMMATIC INFO

The Fiscal Year 2011 Work Plan was released by Corps Headquarters on May 17, 2011. More details can be found at the following website:

<http://www.usace.army.mil/CEPA/NewsReleases/Pages/CWWorkPlan.aspx>

### PERSONNEL CHANGES

Following the retirement of our Chief of Planning, Ms. Rebecca Griffith, Mr. Stuart Appelbaum has returned to the position. Most recently Chief of the Everglades Division, Stu was the previous Chief of Planning before Becky and brings a wealth of experience and knowledge back to the renamed Planning and Policy Division. Programs and Project Management Division is also undergoing a reorganization, incorporating the Everglades project management function into one organization under Mr. David Hobbie.

On coastal projects, Mr. Dan Haubner recently moved to Programs Branch, while Mr. Jason Harrah moved into the Coastal and Navigation Branch. Look for Jason as the new project manager on some of the coastal projects.

### FEDERAL PROJECT STATUS UPDATE

#### STUDIES:

- **St. Johns County** – Feasibility Scoping Meeting was held on 16 March 2011 documenting the future without project conditions for alternative analysis. The project has not received any funding in FY2011 and will be place on hold until funding is made available to continue the alternative analysis.
- **Flagler County** – Geotechnical Investigations are in the final report phase and have yielded promising results for beach quality material in Federal waters. Biological surveys are currently underway and will be completed by July. The alternative analysis process has been initiated and will be continuing for the remainder of the FY with calibration of STWAVE and GENESIS for alternative development.
- **St. Lucie County** –The Team is working towards a Feasibility Scoping Meeting (FSM) date of August 2011, for South Atlantic Division (SAD) and Headquarters review of existing and future without project conditions and the first 5 chapters of the feasibility report. Jacksonville District is continuing data collection and analysis within the study area (R89 to R115). The PDT has the Beach Fx model built, calibrated, and generating outputs. Existing and future without project conditions have been established and the PDT is currently evaluating monetary damage outputs. The Sponsor continues to move ahead with planning for a more immediate non-Federal initial nourishment project. The Federal feasibility study is separate and will investigate feasibility of many alternatives, including initial and periodic nourishment

- The **Brevard County Mid-Reach** General Reevaluation Report (GRR) team has completed updates to the report per Headquarters final review. The final report will now go out for final State and Agency review of the Supplemental Environmental Impact Statement, then to the Assistant Secretary of the Army for final approval.
- **Jupiter/Carlin Shore Protection Project** - Palm Beach County has started a 934 report/NEPA document for Jupiter/Carlin Segment to extend Federal participation for the next renourishment. The Sponsor will be running the Beach-fx model. Federal participation has expired under the existing cost sharing agreement and congressional funds were not appropriated for this project segment during fiscal year 2011. Corps' involvement continues to be to support the sponsor in their preparation of the Section 934 report.
- The **Palm Beach County, Ocean Ridge LRR** is being prepared by the project sponsor in anticipation of their next reimbursable nourishment. The LRR is required to support a new project partnership agreement for the reimbursement.
- The Draft **Ft. Pierce Shore Protection Project GRR** seeks an additional 50 years of Federal participation in the project as well as the inclusion of groins to the project area. The sponsor is currently running Beach-fx, and the GRR is undergoing further evaluation to establish the tentative plan. A Draft GRR is expected to be completed by the Sponsor in July 2011, and then will begin undergoing reviews by Jacksonville District.



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- **Broward County Shore Protection Project - Segment I** (north county line to Hillsboro Inlet) – Integrated GRR and NEPA document – Preparation of the GRR and NEPA document for initial construction of this segment has been put on hold and is waiting for funding. Jacksonville District had completed the first phase of Beach-fx data collection and shoreline biological surveys. **Segment II** – GRR Addendum and NEPA document – Sponsor has initiated their GRR Addendum for the upcoming renourishment. **Segment III** – A Draft Detailed Design Report (DDR) has been completed to address the subsidence/erosion of the beach fill at the northern end of Segment III under the authority for the shore protection project. The document is undergoing final review with the District prior to submittal to South Atlantic Division. A new project partnership agreement will be required prior to implementation.
- The **Martin County Draft Limited Reevaluation Report (LRR)** and Supplemental Environmental Impact Statement (SEIS) evaluates impacts to the Benefit/Cost ratio of the approved Shore Protection Project due to the use of a new borrow area. Turtle-friendly beach construction templates are also being evaluated for use on this project. The final SEIS has been submitted to South Atlantic Division (SAD) in Atlanta and is currently awaiting approval so it may be coordinated with the public, state and federal agencies one last time and then work towards signing of the Record of Decision.
- The **Manatee County Shore Protection Project LRR** is being prepared by the project sponsor in anticipation of their next reimbursable nourishment. The LRR is required to support a new project partnership agreement for the reimbursement.

## REGIONAL SEDIMENT MANAGEMENT:

- Jacksonville District responses to Office of Water Project Review (OWPR) comments on the **Dade County Letter Report** were provided on January 31, 2011. OWPR sought additional information on the unavailability of domestic sand sources as well as further description of potential non-domestic sand sources and the NEPA work that could be involved with any source. The District team is working on a project management plan outlining the tasks, budget and schedule necessary to complete the NEPA work.

## ENGINEERING AND DESIGN:

Borrow area investigations continue in **Sarasota County**. The **Lido Key** project is looking at alternative sources, currently focusing on 3.2 million cubic yards identified in Big Sarasota Pass and potential other sources in New Pass. Once the sand source is identified, a Limited Reevaluation Report with NEPA



document will be completed to document the new construction cost. For the **Venice Beach** project, additional core borings will be taken this spring along with cultural resources surveys to document the new borrow area. A Limited Reevaluation Report and NEPA document will also be completed for this project.

The **Pinellas County, Sand Key** team is completing plans to use a new borrow area for the next renourishment. FDEP issued the draft permit on May 20, 2011. The team is still working through some issues with BOEMRE on the borrow area and with contracting on strategy to be able to award a contract in FY2011.

In **Dade County**, work was funded for a **Section 227 Project** at 63rd Street in Miami and was reinitiated in August 2008. A design and build contract is being evaluated in cooperation with the Department of Environmental Resources Management (DERM) and Reef Innovation, Inc. Implementation has been delayed in order to follow the Dade County Contract E beach nourishment.

**Ft Myers Beach** is expected to receive beach quality material from channel maintenance dredging during the next event. In FY11, the team is working on updating the NEPA document, environmental resource surveys and geotechnical investigations. Pending funding, the construction may occur in FY12.

**St Lucie Inlet O&M** is expected to place beach quality material from channel maintenance dredging in the nearshore during the next event. In FY11, the team is working on updating the NEPA document. Pending funding, the construction may occur in FY12.

**Broward County Segment 2 FCCE** construction is scheduled for FY13. The team has initiated preparation of plans and specs and an updated NEPA document towards this effort.

## CONSTRUCTION:

FY11 Construction: **Intracoastal Waterway - Bakers Haulover O&M:** dredging commenced on November 18, 2010 and was completed in February 2011 with some beach placement. **Intracoastal Waterway – Matanzas O&M** was separated from the St Augustine portion to simplify the FDEP permit, which was received on 1 Sep. The beach placement area was shortened to 3000 feet well south of the breach. The construction contract was awarded on April 27, 2011. **Kings Bay/Fernandina Entrance Channel O&M** commenced dredging on February 17, 2011 and completed in mid March using beach placement. **Intracoastal Waterway –St Augustine O&M** has been rescoped to allow for the removal of a portion of the Vilano Point Shoal at the request of the St. Augustine Port and Beach Authority. The team is currently working through Office of Counsel to determine the agreements necessary and targeting construction award in late FY11 with beach placement. **Duval County** Shore Protection Project - A renourishment contract for approximately 700,000 cubic yards was awarded on April 21, 2011 and construction is scheduled begin by July of 2011. **St Johns County, St Augustine** beach nourishment project received from FDEP a negotiated alternative Draft permit for review on May 20, 2011. The team is also reviewing engineering information to determine the quantities available from within the navigation channel. The construction contract will proceed upon resolution of the permit. **Dade County** contract E has received the WQC permit on March 25, 2011. The current schedule is for award of the construction contract in late FY2011 or early FY2012. The Reefball breakwater to be installed at the **63rd Street** hotspot as an innovative design with funding through the Engineer Research and Development Center was also delayed until after the Contract E construction. **Pinellas County, Gasparilla and Estero Islands**, are scheduled for construction of groins and a portion of the beach nourishment by the project sponsor with later reimbursement. **Pinellas County, Sand Key** is scheduled for late FY2011 award with Fall construction and the team is currently working through the BOEMRE agreement and WQC permit application,

including concerns over hardbottom monitoring. Due to funding constraints, construction will be limited to the northern half of Sand Key. **Palm Beach Harbor O&M** dredging was completed in early April 2011 including beach placement of material from the channel and settling basin. SAJ is also pursuing approval to expand the settling basin to allow more flexibility in scheduling dredging events. **Ft Pierce Beach** is scheduled for contract award in late FY2011, following receipt of funds in the FY11 Workplan.



Madeira Beach – Sand Key

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## Quarterly Update on Beach Restoration and Inlet Maintenance Projects –

Michael R. Barnett, P.E.  
Bureau of Beaches and Coastal Systems  
Florida Department of Environmental Protection



### JOINT COASTAL PERMITS

#### Final Orders - Beach Restoration, Nourishment, Inlet Bypassing/Sand Transfer, and Port Projects:

**Sand Key Beach Nourishment Project (Pinellas County)** – a 10-year permit to nourish approximately 8.7 miles of shoreline fronting the Gulf of Mexico using approximately 1 million cubic yards of sand from an offshore borrow area located in federal waters was issued on 7/6/11.

**Port Canaveral Marine Structures (Brevard County)** – a five-year permit authorizing construction of in-water berthing structures was issued on 5/23/11. Authorized activities include dredging of approximately 40,000 cubic yards of fill and constructing steel sheet pile bulkheads, with below grade concrete relieving platforms and tie-backs.

**Alligator Point Beach Restoration Project (Franklin County)** – a permit to restore a 2.9 mile segment of shoreline using an offshore borrow area was issued on 5/12/11 after a petition filed in 2008 was withdrawn.

**Canaveral West Turning Basin (Brevard County)** – a minor modification to increase the authorized dredge depth in the Corner Cut-Off and West Access Channel was issued on 4/26/11.

**Ft. Pierce Shore Protection Project (St. Lucie County)** – a minor modification to an existing permit was issued on 4/4/11, authorizing a one-time sand placement event (approximately 78,000 cubic yards) along a 1,700- foot section of beach beginning at the Ft. Pierce Inlet south jetty using upland sand sources (see photos). This project is intended to provide interim storm protection to the South Jetty Park and adjacent shoreline until the next scheduled nourishment.



*Photos of the Ft. Pierce Shore Protection Project (upland sand sources), courtesy of the Florida DEP*

**Miami-Dade Federal Erosion Control Project - Contract "E" (Miami-Dade County)** – a permit for a one-time nourishment of 1.65 miles of North Miami Beach shoreline using 300,000 cubic yards of sand from an offshore borrow area, as well as nourishment of 44<sup>th</sup> Street and 27<sup>th</sup> Street shorelines using 220,000 cubic yards of sand from the accretional portion of Lummus Park beach was issued on 3/25/11.

**Sailfish Point Maintenance Dredging (Martin County)** – a minor modification to allow placement of approximately 6,000 cubic yards of dredged material from Sailfish Point along 500 feet of shoreline was issued on 2/23/11.

**Patrick Air Force Base Nourishment (Brevard County)** – a permit authorizing a one-time fill placement with approximately 310,000 cubic yards of sand from an offshore borrow area and a new upland borrow area along 3.1 miles of shoreline was issued on 2/22/11.

**South Amelia Island Beach Nourishment (Nassau County)** – a permit to nourish approximately 3.4 miles of shoreline using 2 million cubic yards of sand from an offshore borrow area located offshore of Nassau Sound was issued on 2/18/11.



*Photo of the South Amelia Island Beach Nourishment Project (Nassau County), courtesy of Olsen Associates, Inc.*

## Notice of Intent/Draft Permits Processed:

**Martin County Beach Nourishment (Martin County)** – proposed nourishment of 4 miles of shoreline fronting the Atlantic Ocean using approximately 880,000 cubic yards of sand from an offshore borrow area. The Notice of Intent and Draft Permit were issued on 5/25/11.

## Recently Completed JCP Applications:

**Tampa Harbor Channel Expansion—Widen Cuts A & B (Hillsborough County)** – request to widen cuts A & B immediately landward of Tampa Bay Entrance Channel. Complete on 5/12/11.

**Miami Harbor Phase III Expansion and Maintenance Project (Miami-Dade County)** – request to dredge approximately 6 million cubic yards of mostly rocky material from the federal channel and dispose the material in an Ocean Dredged Material Disposal Site. Complete on 6/2/2011.

## PETITIONED FILES/ADMINISTRATIVE CHALLENGES

***St. Johns County Beach Nourishment Project (St. Johns County)*** – Request to nourish 2.9 miles of Atlantic shoreline along St. Augustine Beach with approximately 3.1 million cubic yards of sand from the St. Augustine Inlet ebb shoal. The Department’s Notice of Intent to Issue a Joint Coastal Permit and authorization to use state-owned lands to the U.S. Army Corps of Engineers was petitioned on June 28, 2011. The Petitioners requested the decision be referred to the Division of Administrative Hearings. The petition is currently being reviewed.

***Western Destin Beach Restoration Project (Okaloosa County)*** – Five-year authorization request to restore 1.7 miles of Gulf of Mexico shoreline with 831,000 cubic yards of sand from an offshore borrow area. The Florida Division of Administrative Hearings took testimony from the Petitioners, the Department, Okaloosa County and Intervenors in August 2010. Proposed Recommended Orders from the Parties were transmitted on January 24, 2011 to the Administrative Law Judge. ALJ David M. Maloney issued a Recommended Order on June 29, 2011. At this writing, the Department is reviewing the 129-page Order.

***Okaloosa Island Beach Restoration Project (Okaloosa County)*** – Request to restore 2.9 miles of Gulf of Mexico shoreline with approximately 913,000 cubic yards of sand from an offshore borrow area (note: the borrow area for this proposed project was also utilized for the Eglin Air Force Base Beach Restoration Project, and will be used for the Western Destin Beach Restoration Project, if permitted). The Administrative Hearing was conducted over several days in mid- and late-November 2010 in Fort Walton Beach, and concluded in Tallahassee on December 14, 2010. Proposed Recommended Orders from the Parties were transmitted to the Administrative Law Judge in March 2011. A Recommended Order from the ALJ is anticipated to be issued soon.

## ADMINISTRATIVE MATTERS

### **New Division Director, Water Resource Management**

Mr. Mark Thomasson, P.E., was appointed as the Director of the Division of Water Resource Management, effective May 16, 2011. Mr. Thomasson joins us from the private sector and is a graduate of Louisiana State University where he received both Bachelor and Master of Science degrees in Civil Engineering.

### **Local Government Funding Requests for Fiscal Year 2012/2013**

The Beach Erosion Control Program sent notification letters to local governments on May 18, 2011, requesting their FY 2012-2013 funding priorities. The deadline for funding submittals is July 18, 2011.

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## **Florida Administrative Code – Rule Development/Rulemaking**

Pursuant to Governor Scott's Executive Order Number 11-01, all agency rulemaking is suspended unless otherwise directed to proceed by the Office of Fiscal Accountability and Regulatory Reform (OFFAR). The most immediate delay to our rulemaking procedures related to Chapters 62B-41.005 (creation of new inlets) and 62B-36, F.A.C.

Based on statutory changes in 2010, the DEP is required to prepare a Statement of Estimated Regulatory Costs (SERC) for Rule 62B-41, F.A.C., which is under development. Once the SERC is complete, we will publish a notice of availability and submit the rule amendments for final adoption upon approval by OFFAR.

The rulemaking package for Rule 62B-36, F.A.C. is complete and will be discussed with the Division Director this month. A SERC is not required for Rule 62B-36.

Depending on the length of time the suspension extends, anticipated actions to Rule 62B-33, F.A.C. (CCCL) will also be impacted.

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US Army Corps  
of Engineers

## Continuing Authorities Program Projects for Shoreline Protection

prepared by the Jacksonville District

When it comes to protecting shorelines in Florida, the most common solution that comes to mind is large scale beach nourishment. These projects have successfully reduced damages while maintaining healthy beaches for environmental and recreation purposes all around the state. In addition to these traditional beach projects, the Corps is also involved in smaller projects to protect stretches of shoreline with erosion problems through the Continuing Authorities Program (CAP).

Congress has provided the Corps with standing authorities to study and build specific water resource projects for specific purposes and with specified Federal spending limits. CAP establishes a process by which the Corps of Engineers can respond to a variety of water resource problems without the need to obtain specific congressional authorization for each project. This decreases the amount of time required to budget, develop, and approve a potential project for construction. Four of the ten CAP authorities are associated with shoreline protection. These four authorities are:

### **Section 14 – Emergency Streambank and Shoreline Protection**

Authorized by Section 14 of the 1946 Flood Control Act, as amended; the Federal share may not exceed \$1 million for each project, including studies, plans and specifications, and construction. A non-Federal sponsor is required to contribute 35 percent of the total project costs, with a minimum cash contribution of 5 percent. Work under this authority allows emergency streambank and shoreline protection for public facilities, such as endangered roadways, bridge approaches, public works facilities such as water and sewer lines, and public and private non-profit schools and hospitals, that are in imminent danger of failing.

### **Section 111 – Shoreline Mitigation**

Authorized by Section 111 of the 1968 River and Harbor Act, as amended; the Federal share may not exceed \$5 million for each project, including studies, plans and specifications, and construction. A non-Federal sponsor is required to contribute funds in the same ratio as the original project causing the erosion or shoaling. Work under this authority provides for the prevention or mitigation of erosion damages to public or privately owned shores along the coastline of the United States when these damages are a result of a Federal navigation project. This authority cannot be used for shore damages caused by river bank erosion or vessel-generated wave wash. It is not intended to restore shorelines to historic dimensions, but only to reduce erosion to the level that would have existed without the construction of a Federal navigation project.

### **Section 204 – Beneficial use of Dredged Material**

Authorized by Section 204 of the Water Resources Development Act of 1992, as amended; the cost sharing (25% non-federal, 75% federal) would be applied to the incremental cost above the least cost method of dredged material disposal consistent with engineering and environmental criteria. Work under this authority provides for the use of

dredged material from new or existing Federal projects to protect, restore, or create aquatic and ecologically related habitats, including wetlands. In addition to the benefits justifying the costs, the project must not result in environmental degradation. One beneficial use option under this authority could be the use of dredged material for beach nourishment that could improve habitat while providing shoreline protection.

### **Section 103 – Shoreline Protection**

Authorized by Section 103 of the 1962 River and Harbor Act, as amended; the Federal share may not exceed \$5 million for each project, including studies, plans and specifications, and construction. A non-Federal sponsor is required to contribute up to 50 percent of the total project costs depending on the degree of public benefit. Work under this authority provides for protection or restoration of public shorelines by the construction of revetments, groins, and jetties, and may also include periodic sand replenishment. Potential projects must provide benefits other than for the purposes of recreation, such as beach stabilization to reduce flooding or to provide protection to public facilities.

### **Tarpon Springs Project**

The Jacksonville District is currently working on a Section 103 CAP project in Whitcomb and Kreamer Bayous, located in Tarpon Springs, Pinellas County, Florida. The Bayous are about 6 miles from the ocean up the Anclote River. Specifically, the study area includes the eastern shoreline of Whitcomb Bayou and the eastern and southern shorelines of Kreamer Bayou. The low elevation of the bayou shorelines makes them particularly vulnerable to storm damage, tides and currents. Erosion of the bayou banks is threatening the city and county maintained roadways. Portions of the roadways are subject to frequent flooding, having been constructed on low elevation land. The roads provide the only emergency evacuation route for some residents.



**Existing Conditions along the south segment of Kreamer Bayou.**

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The recommended plan for the Tarpon Springs project is for construction of a revetment along 1,700 linear feet along Kreamer Bayou and 2,800 linear feet along Whitcomb Bayou with varying cross-sections based on the presence and density of existing mangroves. The Final Detailed Project Report and Environmental Assessment for the project were approved by the Corps' South Atlantic Division this year, and the design and implementation phase is underway.



Study area locations, along Whitcomb and Kreamer's Bayous.

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## THE SCHEDULE FOR DEP'S FY 2012/13 LOCAL GOVERNMENT FUNDING REQUESTS

### Local Sponsor Funding Request Submittal Deadline

**July 18, 2011**

Department Notification of Funding Request Deficiencies

August 1, 2011

Local Sponsor Deficiency Submittal Deadline

August 15, 2011

Department Project Assessments sent to Local Sponsors for review

September 13, 2011

Local Sponsor Project Assessment Comment Deadline

September 27, 2011

Notification Packet, with application checklist and example application, and a blank application form can be downloaded from the Bureau's webpage: <http://www.dep.state.fl.us/beaches/programs/bcherosn.htm>

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## CALENDAR OF EVENTS

### FSBPA Conferences

**September 14-16, 2011**

FSBPA Annual Conference

Eden Roc Renaissance Miami Beach

Miami Beach, FL

**February 8-10, 2012**

National Conference on Beach Preservation Technology

Marriott Hutchinson Island Resort

Stuart, FL

Save the Date cards will be mailed soon! But note the Call for Presentation Deadline below:

**Call for Presentations: Abstracts due October 3, 2011**

### OTHER DATES OF INTEREST

**October 18-21, 2011**

ASBPA National Coastal Conference

New Orleans, LA

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#### **Legislative committee weeks for the 2012 Session are set for Fall**

The fall committee meetings are scheduled for earlier than usual because session will be held in January and February 2012 instead of the typical March and April. The change is due to redistricting. In redistricting years, the Legislature meets early to spend the rest of the spring drawing the legislative and congressional districts.

The Florida House and Senate have already scheduled six different weeks of committee meetings before session convenes in January. No rest for the weary!

The two chambers will have committee meetings during the weeks of September 19, October 3, October 17, October 31, November 14 and December 5.

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