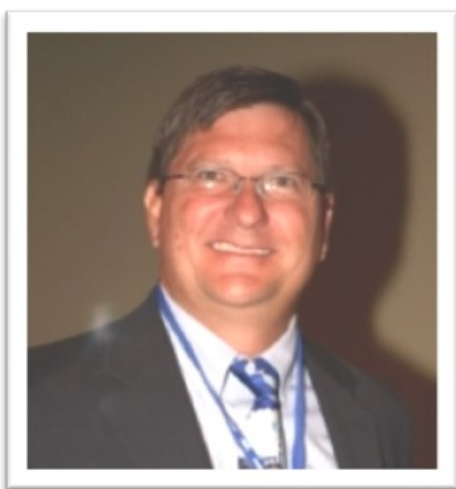




A Message from FSBPA's Incoming Chair - Don Donaldson



The expectation at the end of one term and the beginning of another is that the incoming Chair provides both a reflection on the previous year and a vision for the next. While I believe it is important to learn from history, I think that our energies need to be completely focused on the future.

The first and unchanging issue requiring our focus is dedicated funding for beach programs. We, in Florida, are in a unique position. The expression "a blessing and a curse" springs to mind. Other states have a concentration of water assets, either beaches or lakes and rivers, which require support. In Florida we are literally surrounded by and immersed in water and the funding pool (no pun intended) must be divided among all three, with strong advocates for each.

This year's hurricane season saw devastation to both coasts and, if meteorologists are to be believed, we are in an active cycle and should anticipate more of the same, perhaps for the foreseeable future. Accepting this as the new normal precipitates an even more urgent need for dedicated funding.

Our strong partnerships with the Army Corps of Engineers and the Florida Legislature, have helped sustain us in the past. However, if we are to be more proactive rather than reactive in our shoreline protection efforts, as I believe we must, an established and reasonable funding source is imperative. \$50M in recurring trust fund dollars for beach and inlet projects is the goal. While it may

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Panama City Beach, Florida
Conference Registration
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seem that we are asking a lot, it is a miniscule amount compared to the \$50B in annual recreational value (Houston, 2013). Florida's beaches outstrip National Parks and theme parks combined in the number of tourist visitors each year. We have more than enough solid data on the value of our beaches to Florida's economy to substantiate our appeal for \$50M in recurring funding.

However, all of this evidence does not take into account the most important reason to focus our energies on a dedicated funding source. For those of us who understand that the real value of our shoreline is not measured in dollars, it is our responsibility to preserve an irreplaceable asset for preservation sake and for future generations. This is, perhaps, our strongest argument if not the most quantifiable.

If we need an example of untiring effort and spirit, we need only look to Debbie Flack for inspiration. Her leadership, policy initiatives, and legacy in Tallahassee may be FSBPA's best hope. I challenge each of you to reinvigorate your individual efforts to get the word out to your residents and local officials and to support our collective effort as lead by the indomitable Debbie Flack.

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Session 2018 – December Update

by **Debbie Flack, President**
(A Summary from recent BeachWatch Member Updates)



December 4th begins the last week of interim committee meetings before the 2018 Session officially gets under way on January 9th. We expect beaches to be a part of multiple presentations in both House and Senate appropriations full and subcommittees on the Governor's proposed \$87.4 billion budget for FY 2018/2019. We also expect beaches to be discussed at the two meetings scheduled for the House Select Committee on Hurricane Response and Preparedness (House Select Committee).

FSBPA was asked to testify before the House Select Committee on November 13th regarding storm damages to beaches, project assessments, cost-sharing opportunities and potential funding needs. While assuring lawmakers of the preliminary nature of the Association's comments, it was extremely helpful to have the Governor's formal Recommended Budget released the day after the Select Committee presentation. It was a perfect fit with our initial "guesstimates"— **\$50M in General Revenue for Hurricane Irma recovery/repair of damages beaches**. Governor Scott's budget and FSBPA's committee comments emphasized the importance and priority of matching federal funding from the Corps (FCCE/CG) and FEMA (Category G), as well as beginning to bring critically-eroded segments of beach, not part of any existing project, into the state program.

The Governor's budget document breaks out the Hurricane Irma recovery/repair funding from the traditional beach management funding in two separate line-items (1594, 1597). As he did last year, the Governor recommended our much celebrated current year funding level of **\$50M for the traditional statewide beach program** (Approx. \$20.5M General Revenue and \$29.5M LATF). This is a great "base budget" starting point. As part



Post Hurricane Irma, St. Johns County.
 Photo credit: FDEP COASTS

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of our Beaches and Beyond initiative, our advocacy will focus on increased recurring Land Acquisition Trust Fund dollars, ideally to the \$50M level “dedicated” in Ch. 375, F.S., or hopefully, at least, as part of the General Appropriations Act (budget) for FY 2018/19. Although, the Beaches and Beyond initiative has much uncertainty moving forward, our priority continues to be supporting the Coastal Management legislation (SB 174 and HB 131) that recognizes annual recurring funding in LATF for beach and inlet management projects, as well as increased minimum funding for inlet sand management projects and improved ranking criteria to better capture economic and storm damage reduction benefits.

On a related news front, the full Senate Appropriations Committee recently examined the LATF base budget (current fiscal year allocations) and new proposed uses of trust funds for filed bills for the 2018 Session. There are far more current uses and amounts of funding in new bills than there are available trust funds for FY18/19, presenting a possible wrinkle in our desired starting point of \$50M. The competition for very limited LATF dollars is formidable, and the Florida Forever Land Acquisition Program will be in the mix. Together we will have to work hard to convince every coastal Senator and Representative of the importance of beaches and dedicated, consistent state matching funds to sustain them.

Here are a few of the relevant numbers discussed by the Senate Appropriations Committee to demonstrate the extent of competition for limited LATF dollars:

- Estimated 33% Documentary Stamp/LATF: (\$862,220,000)
- Fiscal Year 2018-19 Base Budget: \$819,116,179 (Beach Program \$29.5M)
- Available LATF Balance: \$43,103,821
- Of the five related bills filed by the Senate to date, LAFT funding would need to be increased by \$260M, including the \$20.5M for beaches.

During the last week of interim committee meetings, FSBPA will closely monitor presentations on the Governor’s recommended budget at the House and Senate appropriations full and subcommittees, as well as attend the House Select Committee on Hurricane Response and Preparedness. Chair Nuñez assigned focus groups from the House Select Committee, including a group for beaches, to develop recommendations for consideration by the full committee on December 7th.

We will provide more information about the Committee recommendations and updates on the coastal management bills in our January Shoreline. Until then, on behalf of the entire FSBPA team, have a delightful holiday season, and please feel free to reach out to us if you have questions.

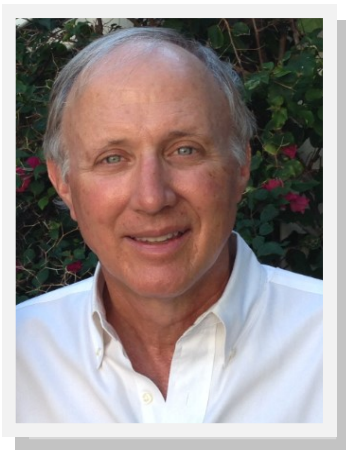


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Meet the 2018 FSBPA Board of Directors

A note from Jackie Larson

I am pleased to announce that we have two new Directors joining FSBPA's Board in 2018, Charlie Hunsicker, a returning board member with Manatee County, and Broward County's Nicole Sharp, who will begin her first board term. Retiring board members include Richard Bouchard (St. Lucie Co.) and Jim Trifilio (Okaloosa Co.), although Jim will continue serving on the board for one year as Immediate Past Chair. We appreciate Richard's multiple terms, totaling 14 years, and for his service as Chairman in 2015. Thank you, Richard! Likewise, we would like to thank Leanne Welch for her past service to the Association. After a year in her new role with the City of Boca Raton, Leanne will step down to dedicate her time as the Manager of Gumbo Limbo Nature Center. Congratulations, we know you will do incredible work at the Center. Alex Davis-Shaw, City of Sarasota, was appointed by the Board to fill Leanne's vacated seat for the remainder of the unexpired term. Welcome back, Alex! And now, let's get back to introductions.



Charlie Hunsicker
Director
Parks & Natural Resources Dept
Manatee County

“FSBPA has a storied history of advocacy for member interests with the Governor’s Office and key state agencies, the Florida legislature, the ACOE and its consulting federal agencies. State fiscal pressures from the remnants of Hurricane Matthew, Maria and Irma have positioned FSBPA and its Beachwatch affiliate in a critical role in the legislative process. FSBPA provides continuing advocacy for scientific and technological advances in storm defenses and mitigation and I consider Board membership an honor and privilege.”

Charlie Hunsicker has been involved with FSBPA in some elected form since 2011. Most recently Charlie has served as Chair (2013), served as Vice-Chair, and has been part of the executive Committee (2011-2013).

During his 37-year career with Manatee County Government, Charlie has been involved in a variety of environmental issues. He holds a Bachelor of Science Degree in Agriculture from the University of Wisconsin-Madison, and a Master's Degree in Urban and Regional Planning from Florida State University.

Reporting to the County Administrator, he is currently the Director for Manatee County's Parks & Natural Resources Department with 174 employees with five divisions. The Resource Management Division is responsible for over 30,000 acres of County conservation preserve lands, coastal resources, and recreational boating facilities. The Environmental Protection Division is responsible for monitoring the County's surface and groundwater resources, air quality, and permitting for phosphate mining and mineral extraction. The Volunteer/Education Division is responsible for

outreach programs in the preserves, including volunteer restoration events and recreational field trips. The Agriculture and Extension Division is responsible for applying research-based solutions to everyday problems to improve the lives of Manatee County citizens. The Recreation Division is responsible for providing various recreational programs including summer camps, aquatics, fitness, and ball related sports. Mr. Hunsicker directs the beach renourishment program for Anna Maria Island's nine miles of sandy beach. Mr. Hunsicker is also serves as the County Commission's congressional liaison to the Florida *Delegation*.



Nicole Sharp
Beach Administrator
Broward County

"It's a great honor to serve as a director for FSBPA. I look forward to advocating for the health of Florida's beaches for future generations to enjoy."

Nicole has a BCE in civil engineering from the University of Delaware and a MS in coastal and oceanographic engineering from University of Florida. She is currently the Natural Resources Administrator for Broward County's Environmental Planning and Community Resilience Division. Nicole's primary focus is management of the County's Federal shore protection projects along with sand bypassing at Port Everglades. Prior to Broward County, Nicole was a coastal engineering consultant working on projects throughout the east coast of the United States.

While not at the beach, Nicole enjoys spoiling her niece and nephew, spending time with her two cats, Lola and Lucky, golfing, rock climbing, and running.

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2018 Board of Directors

Officers for 2018

Don Donaldson (Martin County): **Chair**
Laird Wreford (Sarasota County): **Vice-Chair**
Gary McAlpin (Collier County): **Secretary-Treasurer**

These officers and the past chair, Jim Trifilio (Okaloosa County), will serve as the Executive Committee for 2018.

Board of Directors

Virginia Barker, Brevard County
Steve Boutelle, Lee County
Alexandria Davis-Shaw, City of Sarasota
James Gray, Indian River County
James Houston, USACE Engineer Research and Development Center
Charlie Hunsicker, Manatee County
Tamara Pigott, Lee County Visitor & Convention Bureau
Nicole Sharp, Broward County
Marty Smithson, Sebastian Inlet District
Andy Squires, Pinellas County

Ex-Officio Board Members

Ken Craig, Taylor Engineering, Inc.
Dan Hussin, Manson Construction
Erin Hodel, CSA Ocean Sciences Inc.
Jackie Keiser and Jason Engle, USACE Jacksonville District
Jenny Jacobsen, USACE Mobile District
Trina Vielhaurer, FDEP

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Drone Technology and Coastal Management

By Naeem Rahman, Vice President of Operations, Coastal Systems International, Inc.



Drones, Unmanned Aerial Systems and Unmanned Aerial Vehicles (UAV's) all point to the deluge of non-military aircraft that have been spun into the news as nuisances but remain equipment of as yet unrealized potential in commercial applications. The industry is very young and the focus is quite rightly shifting from seeing the aircraft as the point of interest to seeing the payload as what's important.

As researchers and advocates of the preservation of the coastal environment, we are seeing a rise in the applications possible with drones. We are finding that they are becoming more effective in capturing data from the very granular to the big picture. A multitude of sensors are emerging, becoming smaller, lighter, and more accurate, with faster processors and demanding less power. Speed, efficiency, convenience and an overall superior final product are some of the benefits to utilizing drones for mapping vs. the traditional route.

We can now scan and collect visible light, NDVI data, thermal frequencies, LiDAR, radiometric and multi-spectral data. Supporting these devices are dozens of drone manufacturers and a multitude of post-processing software tools that produce output that converge inside popular analytical and decision making tools in use in government, the private sector and in education.

We can focus on lengthy discussions on the technical merits of equipment, or we can explore how the acquisition of the data, which previously was only possible using expensive aircrafts with custom equipment or satellite technology, can be used to change our methods of data interpretation, expedite analyses, reduce response times and increase the overall effectiveness of policy.

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Collecting Data with Precision

A UAV equipped with a high-resolution camera; 40 megapixels or higher, flying at 100 meters (328 ft) above ground, can produce imagery where a single pixel represents 1.4 cm (0.5 inch) on the ground. In a single day, it is possible to cover roughly 400 acres with this system. From this data and with ruggedized end-to-end photogrammetric post-processing, one can generate geo-referenced ortho-mosaics, digital terrain models, dense point clouds, a digital surface model, Google Earth KML files, high-definition 3D textured maps, ESRI shapefiles, Autodesk DXF files, contours and LAS files. Add a LiDAR module and post-processed kinematic GPS positioning, one can achieve all of the above but the vertical accuracy will be increased to 2.5 to 3.5 cm (roughly 1 to 1.4 inches).

In reality, there is very little that a UAV cannot cover with regards to coastal data collection. The possibilities of its applications lie in its versatility to capture different kinds of data, depending on the hardware and post-processing software utilized. Possible applications are described below:

Terrain Mapping

Aerial photogrammetric data can be collected to record essential geographical and physical features, such as terrain, coastlines and roadways. Gathering topographical data is essential to recording current conditions for the purposes of providing a base map for a possible project or to present benchmarks for comparison of changes over time. Alterations in coastline, beach contours and dune-edge mapping are some of the critical information that can be collected through the use of a UAV.



Beach Nourishment

When planning and managing large-scale beach nourishment projects, efficiency and timeliness of project completion are key. UAV's can be utilized to measure progress over time, spot possible inefficiencies and problem areas, as well as quickly evaluate sand volumes necessary for re-nourishment and validate stockpiles sizes during construction.

Disaster Recovery

The first steps in disaster response execution lie with gaining a thorough understanding of the prevailing conditions after the event. The quality of the data and the speed of data collection play a key role in determining who is needed where and what tools should be employed. Resources can be allocated effectively only if you understand obstacles to mobilization, like downed trees and power lines, flooded streets and damaged bridges. Drones can be used to document these post-event conditions in ways that are conducive to mapping analysis in a GIS environment, where before and after scenarios can be studied. Pre-event data sets can allow assessments of impact against population density, medical needs against surviving infrastructure and determining first-responder availability against accessibility. Aerial photogrammetric data can also provide pre and post-storm condition surveys to assess impacts and support insurance claims. Drones can also be used in later recovery efforts to document the extent of erosion and sand migration along shorelines.

Coastal Resilience Planning

Drones provide opportunities to study vulnerable areas on a larger scale, thus providing a map of current conditions to plan for sustainability and resilience in study areas. UAV's can quickly record high resolution imagery and collect very accurate elevation data in low-lying areas, over weak infrastructure and areas prone to flooding. Maps of at-risk communities with the ability to assess what may be at risk allow local governments to enhance their disaster recovery efforts and become proactive in building more resilient communities.

Structural Assessment

Aerial photogrammetric technology coupled with airborne LiDAR offer rapid data collection of an area's vital infrastructural components, providing crucial evaluations of their structural conditions. Waterfront structures such as piers, docks and breakwaters can be assessed on a regular basis to document potential damage or decay. LiDAR offers a highly accurate non-contact method of determining dimensions of structures and components that can be converted for use in CAD software or any of a multitude of file types. The data is three-dimensional and can be electronically mapped to color values for a real-world view of the existing conditions.



Drones' cost-efficiency allow for more affordable and thus, more frequent structural inspections. This allows for more recurrent preventative maintenance to drastically reduce costs over time. Most importantly, aerial inspections can keep employees out of harm's way in potentially hazardous areas.

Wetland Management and Marine Mammal Protection

Equipped with the right sensors, a drone can collect aerial imagery, multi-spectral, hyper-spectral and thermal data to quantitatively describe and characterize plant traits. By extension, the same data sets can be used to measure soil moisture content and establish the limits of inundation. Drones equipped with thermal or near infra-red cameras can assist in recording wildlife distribution in non-invasive ways.

Lately, and after many years of intensive study, drones are being used to monitor marine mammals using carefully managed survey protocols to establish health and condition, aggregation counts, and with specialized tools, collect exhaled breath condensate for subsequent laboratory analysis. This relatively new approach to marine mammal conservation has added a unique tool that's easy to deploy and cost-effective. Because the data is digitally recorded, it lends itself to peer-review for more accurate interpretation – unlike the older methods of employing observers in an aircraft recording what they see and sometimes without the benefit of corroboration.



Project Management

In comparison, a traditional survey will require manpower to gather a few hundred data points in a day, UAV's are able to map an entire site to centimeter resolution, usually within only a few hours on-site, resulting in a full 3D model covering every square inch of the site.

The recent introduction of the UAV SmartHub allows project managers the ability to collect data from smart sensors like RFID tags and Bluetooth devices to extend their knowledge of what's going on, locate construction assets and construction staff, and even collect critical data on construction equipment in real-time and have all this available in a secure Cloud platform.

Drones provide the means to build a high-accuracy digital survey of your project, with the option to replicate that survey on a regular basis. This ability to form a visual and highly accurate temporal record of progress is changing the expectations of the project manager and collaborators who, before now, were only able to collect samples of data and extrapolate estimates unless time-consuming and expensive alternatives were employed.



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Conclusion

Drones continue to improve with better and more robust components and the ability to remain in flight for longer periods. The real gains however, can be seen in the payloads. Multi-sensor platforms are not too far out and in some cases, several products are already in the testing phase. These new approaches to sensor technology will allow the user easier integration, lower power consumption, centralized data management, more streamlined processing and of course, a lowered cost of entry.

The first recreational drone became available in 2010. In less than a decade, the applications are astounding and has shaped itself as a game changer in Journalism, Security, Surveying and Mapping, Construction Monitoring, Wildlife Monitoring, Agriculture, Search and Rescue – to name a few. Drones have impacted our social consciousness to the extent that laws have been passed to govern how we use them. These laws are not only here to stay, but are in constant review to keep up with the innovative applications driven by the technology you can attach to them.

The benefits to the Coastal and Beach Management community are clear, and the technology should become an important part of our toolkit in an era of large data, rapid data collection and the ever-important shrinking budget.

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USACE Jacksonville District

U. S. Army Corps of Engineers Conducts Assessments of Florida Federal Beaches as part of the Flood Control and Coastal Emergencies Act



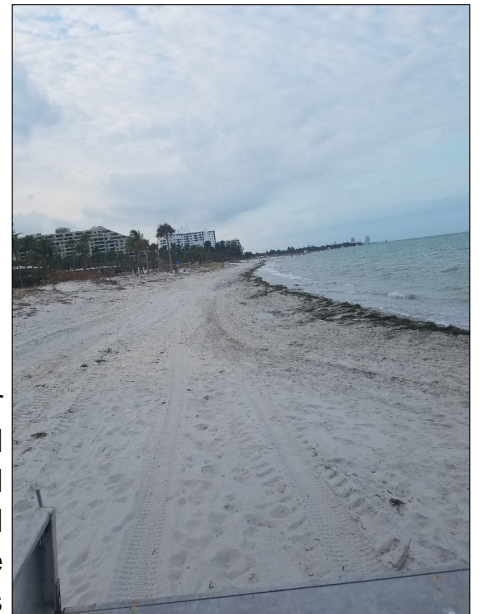
**US Army Corps
of Engineers®**

By Gabriel Todaro
Intern, EN-WC
USACE
Jacksonville District

During September and October, U. S. Army Corps of Engineers South Atlantic Division Jacksonville District (USACE SAJ) employees conducted assessments of federal beach projects as part of the Flood Control and Coastal Emergency Act (FCCE) in response to Hurricane Irma. The specific USACE program that provides for the inspection and rehabilitation of Federal and non-Federal Hurricane/Shore Protection Projects (HSPPs) is called the Rehabilitation and Inspection Program (RIP).

As part of the RIP, after any storm, hurricane, tsunami, typhoon, or similar event that could damage HSPP's, the district will telephonically contact the public sponsors of potentially affected HSPP's. If there is any indication that any HSPP has sustained damage, the district will prepare a Notice to Public Sponsors. The Notice to Public Sponsors will be mailed to all HSPP public sponsors in the potentially affected area.

The public sponsor must submit a written request for assistance within 30 days of issuance of the Notice to Public Sponsors. Upon receipt of a public sponsor's written request for HSPP Rehabilitation Assistance, the district will check to ensure that the HSPP is Active. Next, the district will review information submitted by the public sponsor, district records on the project (to include the last and next scheduled renourishment effort), weather/storm records and data, and any other current information



Miami-Dade County, Key Biscayne Post-Irma
Inspection Photographs

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available. This review is a check for reasonableness of damages incurred by the project (as identified by the public sponsor in its request for assistance) that could be eligible for HSPP Rehabilitation Assistance. If the HSPP is Active and there is reasonable evidence that the storm event can meet the definition of an extraordinary storm, the district will request funds to perform a field investigation to determine the extent of damages. An extraordinary storm is defined as a storm that creates weather conditions that cause significant amounts of damage to a Hurricane/Shore Protection Project due to length or severity.

If the field investigation provides sufficient evidence that major damages have occurred (loss of significant quantities of sand or damage to hardened features, the district will complete a Project Information Report (PIR). The PIR contains justification that the storm meets the criteria of “extraordinary storm”, justification of the need of the Hurricane/Shore Protection Project’s need for rehabilitation assistance, and an economics section that determines the Cost Share Allocation and other costs. The PIR will be completed no later than 40 days after the receipt of the public sponsor’s request for assistance.

If the district determines that the HSPP is ineligible for HSPP Rehabilitation Assistance, the district will notify the public sponsor. This notification will include a summary of reasons why the HSPP is ineligible and a copy of the PIR and supporting documents.

When the Cooperation Agreement for the HSPP Rehabilitation Assistance has been signed, Flood Control and Coastal Emergencies (FCCE) funds are requested for construction. The actual construction will commence within 60 calendar days following Project Information Report approval or execution of the Cooperation Agreement, whichever is later.

After Hurricane Irma, Federal projects in Pinellas, Manatee, Sarasota, Lee, Nassau, Duval, St. Johns, Flagler, Brevard, St. Lucie, Martin, Palm Beach, Broward, and Miami-Dade Counties were inspected by USACE SAJ employees. Out of these counties, the following counties (Table 1) requested federal assistance.

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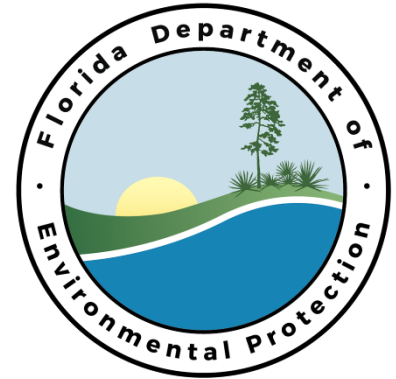
Table 1 Florida Counties Requesting Rehabilitation Assistance after Hurricane Irma:

| Project | Date of Sponsor Request | Start Date (Funding Received) |
|--|--------------------------------|--------------------------------------|
| Brevard County (North and South) | 12-Sep-17 | 19-Sep-17 |
| Broward County (Seg II and III) | 13-Sep-17 | 19-Oct-17 |
| Dade County (Main Seg and Sunny Isles) | 21-Sep-17 | 19-Oct-17 |
| Duval County | 14-Sep-17 | 19-Sep-17 |
| St. Lucie County | 14-Sep-17 | 19-Oct-17 |
| Lee County | 12-Sep-17 | 27-Oct-17 |
| Manatee County | 10-Oct-17 | 27-Oct-17 |
| Nassau County | 15-Sep-17 | 19-Sep-17 |
| Palm Beach County (Boca) | 13-Sep-17 | 19-Oct-17 |
| Palm Beach County (Delray) | 13-Sep-17 | 19-Oct-17 |
| Palm Beach County (Jupiter Carlin) | 13-Sep-17 | 19-Oct-17 |
| Palm Beach County (Ocean Ridge) | 13-Sep-17 | 19-Oct-17 |
| Pinellas County (Long Key) | 18-Sep-17 | 10-Oct-17 |
| Pinellas County (Sand Key) | 18-Sep-17 | 10-Oct-17 |
| Pinellas County (Treasure Island) | 18-Sep-17 | 10-Oct-17 |
| St. Johns County | 14-Sep-17 | 10-Oct-17 |

The PIRs for the above counties are being conducted. If the counties are deemed to have suffered enough damage as a direct results of Hurricane Irma, then they will be eligible for FCCE construction funds for their renourishments as part of the hurricane recovery process.

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FDEP Division of Water Resource Management Agency Updates



DEP Launches New Website

DEP has redesigned the website to improve functionality and visitor experience. The new website is more modern, visually appealing, user-friendly and Americans with Disabilities Act compliant so that our pages are accessible to a wide range of users.

The content management system helps keep the look consistent while providing many useful features that include:

- A “How do I ...” list on our home page that is generated from web statistics. DEP pages with the most hits are added to this list, to make our most visited pages easy to find for our users.
- Site navigability by topic as well as by division and district.
- DEP events and public notice calendars are sortable by date, event type or by division/district.
- A responsive design that works well on all devices, from desktop computers to smartphones and tablets.
- An automated translation feature available for eight different languages.

To make it easier and to encourage Floridians to visit the website, a new, easier-to-remember and say web domain is being used: www.floridadep.gov.

Reset your bookmarks. If you have bookmarked any page at dep.state.fl.us (besides the homepage), you might need to create a new bookmark. Some links from the old site will redirect to a division or district homepage, but not to the specific page. Also, if you previously subscribed to email alerts for news, calendars or meeting agendas, be aware that the transition to the new site may affect the functionality of the alerts for a few days. There is no need to re-subscribe.

To be consistent with the new web address, DEP has added a new email address: @floridadep.gov. Email prefixes will be the same (roxane.dow@floridadep.gov) as before. Both email addresses will work, but “floridadep” is easier to remember!

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Also remember that the Beaches, Inlets and Ports; Coastal Construction Control Line; Engineering, Geology and Hydrology; and Beaches Field Services Programs are all in the Division of Water Resource Management. The Beach Management Funding Assistance Program is in the Division of Water Restoration Assistance.

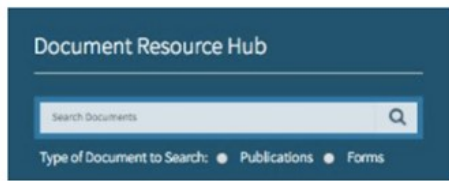
Website Update

Home > Divisions > Office of Communications > Office of Communications (General) > Website Update

Office of Communications Quick Links

- DEP 101
- Updates and Topics of Interest
- Fact Sheets
- Resources
- Contacts
- All Office of Communications Content

DEP has redesigned the website to improve functionality and visitor experience. The new site is also designed to work well on smartphones and tablets.



The Document Resource Hub Search includes publications and forms available on DEP's website. Additional records, resources and permit information are available through [Oculus](#), DEP's [Information Portal](#) and [Business Portal](#).

In addition to searching the site by district and division, you can also search the site by topic to find what you need.

Hurricane Reports and Others

The beaches programs in the Division of Water Resource Management have had a busy summer of doing assessments before hurricane season and after Irma, holding numerous meetings with local governments and homeowners in Northeast Florida, and issuing CCCL permits. The Department issued Final Order (OGC No. 17-0989) - Emergency Authorization for Repairs, Replacement, Restoration, and Certain Other Measures Made Necessary by Hurricane Irma on September 5, 2017, and has amended and extended it four times. The current expiration date is December 3, 2017. An Emergency Order for Protection of Major Structures in St. Johns County made Necessary by Hurricane Irma - OGC No. 17-1001 was issued September 18, 2017 and amended and extended twice. It also will expire on December 3, 2017 unless extended.

The Preliminary Hurricane Irma Post-Storm Beach Conditions and Coastal Impact Report is posted to the Division's Hurricane Season Storm Information webpage at <https://floridadep.gov/water/water/content/dwrm-2017-hurricane-season-storm-information>, along with more hurricane information. The final Hurricane Irma report, as well as the 2016 Hurricane Matthew report, is expected by the end of the year. The storms have delayed the issuance of the 2017 Critically Eroded Beaches in Florida and the Strategic Beach Management Plan. These reports are currently being updated to include the most up-to-date information following hurricane season.

Beaches, Inlets and Ports Welcomes New Permit Manager

Sean Green is a Marine Biologist with over 15 years' experience in natural resource and coastal zone management. He is a former employee of the National Environment and Planning Agency (NEPA), where he worked as a coordinator in the Ecosystems Management Branch. Mr. Green has been actively involved in coastal zone management since 2001 and is adept at coastal ecosystem monitoring, data analysis and marine spatial planning. He represented NEPA at several regional and international meetings which included ecosystem management, marine atlas development, disaster risk reduction, climate change issues and was a member of the United Nations panel of experts for the First World Ocean Assessment. He holds a BSc. in Environmental Sciences and a M.Phil. in Marine Sciences from the University of the West Indies, Jamaica. Mr. Green is also certified as a PADI certified Rescue Diver and REEF Check Trainer.

CCCL Program Welcomes Doug Aarons New Environmental Administrator

Doug Aarons graduated from Louisiana Tech University with a B.S. in Civil Engineering and has a M.B.A. from the University of Florida. He worked for the Louisiana Department of Transportation and Development for four years, and then worked in construction in the private sector for 17 years. In his spare time, he enjoys wood working, spending time with his kids, and college football.

CCCL Program Welcomes Josh Adams as New Engineering Specialist III

Josh Adams has a Bachelor's degree in Environmental Studies, and a Master's Degree in Environmental Planning from Florida State University. He was an intern in the Florida Coastal Office, and worked in a private environmental engineering firm for three years before joining CCCL. His primary task is to help implement the Florida Beaches Habitat Conservation Plan, and thereby obtain an Incidental Take Permit from the U.S. Fish and Wildlife Service for CCCL permitted activities. See <http://www.flbeacheshcp.com/> for more information. In his spare time, he likes to play tennis, fish and duck hunt.

FY2018-19 Local Government Funding Request Status

The Beach Management Funding Assistance Program in the Division of Water Restoration Assistance held a teleconference with the External Review Team on November 17, 2017. Some revisions were made, and final Project Assessments were posted to the webpage at <https://floridadep.gov/wra/beaches-funding/content/beaches-funding-assistance-information> (scroll to the bottom of the page).

The state share funding request for beaches (including monitoring only) is \$40,005,130. The state share funding request for inlets (including monitoring only) is \$16,742,984. The TOTAL state share funding request for FY2018-19 is \$56,748,114. It is anticipated that the request will be submitted to the Legislature in mid-December.

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2018 Tech Conference February 7 - 9 Edgewater Beach Resort * Panama City Beach, Florida



Conference Registration

Register Online

For details on registration fees, go to

www.fsbpa.com/tech-conference/registration.html

Hotel Reservations

Hotel reservations should be made directly with the conference hotel, the Edgewater Beach Resort. The hotel will honor the group rates as long as rooms remain in FSBPA's block or until January 12, 2018, whichever occurs first. For complete details on group room rates which start at \$116 plus tax, visit, www.fsbpa.com/tech-conference/hotel.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

February 7-9, 2018

2018 Tech Conference

**Edgewater Beach & Golf Resort
 Panama City Beach, Florida**

September 19-21, 2018

61st Annual Conference

**Hyatt Regency Clearwater Beach Resort
 Clearwater Beach, Florida**

OTHER DATES OF INTEREST

January 9 - 11, 2018

Florida Coastal Mapping Program

St. Petersburg Beach, FL

February 2-4, 2018

21st Annual Florida Marine Turtle Permit Holder Meeting

**World Renaissance Renaissance
 St. Augustine, Florida**

March 20-22, 2018

ASBPA Coastal Summit

Washington, DC

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