



# SHORELINE

AUGUST 2004



## Conference may clear up beach issues

By **DEBBIE FLACK**  
FSBPA Director of  
Governmental Affairs

**W**e've been focused on two issues in Washington over the past month — appropriations policy and Senate WRDA.

During a late July trip, I discussed strategy to overcome the administration's appropriations policy against federal cost-sharing in future renourishment projects and shared a draft provision for possible inclusion in the Energy & Water bill to accomplish such. I met with many of our House offices and Chairman Young's chief-of-staff.

Looks like our opportunity

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## FSBPA annual meeting moves to Marco Island

**A**s most of you know, Hurricane Charley paid an unwelcome visit to Southwest Florida Aug. 13. While the images most commonly seen in the media coverage were of the devastation in Charlotte County, initial landfall for the storm was on North Captiva — just a mile away from South Seas Resort, site of the FSBPA's annual meeting at the end of September.

South Seas Resort survived remarkably well, suffering mostly damage to roofs and downed vegetation. However, the time needed to make the repairs necessary to host a conference meant the FSBPA needed to find an alternate site to hold its event.

So, we're going to Marco Island!

The conference will move to the Marco Island Marriott Resort, Golf Club & Spa for

the same dates (Sept. 29-Oct. 1) and schedule. Room rates will \$135 per night, and reservations can be made by calling (239) 394-2511 (or toll-free at 800-438-4373), or go online to [www.marcoislandmarriott.com](http://www.marcoislandmarriott.com) for details.



Updated information on the annual meeting will also be available at the FSBPA Web site, [www.fsbpa.com](http://www.fsbpa.com), and your conference registration will be honored with this change of venue. (South Seas Resort is contacting those of you who had made room reservations already.)

We look forward to the FSBPA's first visit to Marco Island, and urge you to make your hotel reservations (and register for the conference if you haven't done so yet) today. ❖

- Same dates: Sept. 29-Oct. 1
- Same rates: \$135 per night
- Same great sessions



## CONFERENCE \_\_\_\_\_

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will be in conference. Some language to counter anti-renourishment policy must be included in either an omnibus bill or continuing resolution. I plan another "reminder" visit to D.C. in mid-September.

Both Sen. Nelson personally and Sen. Graham's chief-of-staff offered to help in the Senate, but given Senate leadership our best opportunity rests with the House, especially given our active Florida coastal members.

While many of our Congressmen are currently back in their districts, it's an excellent time to remind them how critical it is to preempt Corps implementation of this policy — our assurance is a statutory provision in the appropriations vehicle itself.

While in Washington, much of my time was spent with our Senate offices working on an ill-conceived advisory committee provision in WRDA 2004. With the personal involvement of Sen. Nelson, his capable staff, and Sen. Graham's chief-of-staff, I am confident Florida will have done far more than its fair share to modify the current committee proposal.

They are well-briefed advocates. Their concerns are on record, both verbally and in writing. I believe they will be successful! ❖

## Laser mapping system to chart coastal change post-Charley

The U.S. Geological Survey, NASA and the Corps of Engineers are cooperating in a research program investigating coastal change that occurred on the barrier islands of Southwest Florida during Hurricane Charley.

On Sunday, Aug. 15, coastal topography and bathymetry from Venice to Marco Island will be surveyed using NASA's EAARL (Experimental Advanced Airborne Research Lidar), a laser mapping system. These data will be compared to a survey of the same area conducted in June 2004 by the U.S. Army Corps of Engineers using CHARTS (Compact Hydrographic Airborne Rapid Total Survey).

The comparison will detect the magnitude and spatial variability of coastal changes such as beach erosion, overwash deposition, and island breaches. This data will be used to develop and test predictive models of coastal impacts of severe storms. The data will be made available to local, state and federal agencies for disaster recovery and erosion mitigation.

For examples of research products from previous storms see:

■ For 2003's Hurricane

Isabel: <http://coastal.er.usgs.gov/hurricanes/isabel/>

■ For background and other storms: <http://coastal.er.usgs.gov/hurricanes/>

For information about USGS extreme storms research program, contact Abby Sallenger at [asallenger@usgs.gov](mailto:asallenger@usgs.gov). For information about NASA's EAARL program, contact Wayne Wright at [wright@osb.wff.nasa.gov](mailto:wright@osb.wff.nasa.gov). And for details on the Corps' CHARTS work, contact Jeff Lillycrop at [jeff.lillycrop@usace.army.mil](mailto:jeff.lillycrop@usace.army.mil). ❖

## State assesses Charley's impact

The state Bureau of Beaches and Wetland Resources has conducted a preliminary look at the effect Hurricane Charley had on coastlines and state parks in the storm-strike areas.

The two reports — "Hurricane Charley—Post Storm Impact: Preliminary Beach Conditions Report #2" and "Parks: A Hurricane Charley Damage Assessment" — are available online through a link at the FSBPA's Web site at [www.fsbpa.com](http://www.fsbpa.com). ❖



## Long Key and Treasure Island renourishment project under way

By NICOLE A. ELKO  
Coastal Coordinator,  
Pinellas County Dept. of  
Environmental Management

Renourishment of the Long Key and Treasure Island segments of the Pinellas County Federal Shore Protection Project is under way. Approximately 400,000 cubic yards of sediment will be removed from the federal navigation channel at Pass-a-Grille in southern Pinellas County by the end of October 2004.

The coordinated effort between Pinellas County, the U.S. Army Corps of Engineers, and the Florida Department of Environmental Protection will renourish Upham Beach, a



*Top and above: Renourishment progress at Upham Beach*

2,000-foot beach located downdrift of Blind Pass, and 5,000 feet of Sunset Beach on Treasure Island.

Norfolk Dredging has installed a submerged pipeline 1,000 feet offshore to transport the material approximately 5

miles to the beach disposal sites. At this time, one booster pump is in operation and a second is likely to be added. The estimated project cost is \$5.6 million.

Typically, over 300 feet of

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### PROJECT

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beach erodes from Upham Beach within one year of placement. The Corps has labeled this project a feeder beach. Presently, additional sand is being placed along an additional 2,000 feet south of Upham Beach, an area that has never been nourished before, as advance mitigation for potential downdrift erosion.

Once the federal nourishment project is complete, five geotextile T-head groins will be installed on Upham Beach at a cost of about \$1.5 million. Coastal Planning and Engineering has designed the geotubes to be stacked in a pyramid fashion and buried in the fill. The T-groins were designed to retain the design berm of 40



feet at the public beach and increase the nourishment interval on Upham Beach from three or four years to six years. Meanwhile, a more permanent structural solution is being considered. ❖

*Top: The dredge off the Pass-A-Grille channel. Above: An artist's rendering of the T-groins planned for Upham Beach.*



## FSU Beaches & Shores Resource Center update

By **MARK E. LEADON**  
Associate Director

The work conducted by the FSU-BSRC has evolved significantly over the past few years consistent with the progression of Florida's beach management program as a whole. The long-term mission of BSRC has been the mapping of Florida's coastal construction control lines and scientific support studies for the CCCLs.

The BSRC work had begun a change in scope well in advance of the winding down of the CCCL studies. The BSRC work has evolved in recent years with the shift in the state's beach management program in 1998 toward implementation of a strategic beach management plan on a more comprehensive regional approach. Most of the recent and current BSRC work efforts are performed within the regional

context in coordination with the FDEP Bureau of Beaches and Coastal Systems (BBCS).

For example, major regionally-implemented work tasks include the following:

1) Conducting review, QA/QC, and management of regional coastal monitoring data obtained by FDEP (topographic and hydrographic surveys, aerial photography and videography, LIDAR, etc.);

2) Development and maintenance of a comprehensive erosion control project monitoring database;

3) Establishment of lines defining zones for streamlined, simplified general permitting application for the CCCL permitting program; and

4) Initiation of regional wave data collection and nearshore wave hindcast databasedevelopment.

Other major BSRC work activities include review and

verification of beach nourishment equilibrium toe-of-fill and fill spreading prediction methodologies using project monitoring data, shoreline erosion rate analyses and 30-year erosion projections, coastal modeling support, and GIS mapping and support.

BSRC work products can be found on the BBCS Web site, <http://www.floridadep.org/beaches/data/data.htm>. Additional information about BSRC and examples of research done by BSRC staff can be found at the BSRC Web site at <http://beach10.beaches.fsu.edu/>.

For information, contact director Dr. Todd Walton at (850) 644-2847 or [twalton@mail.fsu.edu](mailto:twalton@mail.fsu.edu), or associate director Mark Leadon at (850) 487-4469 x.102 or [meleadon@mail.fsu.edu](mailto:meleadon@mail.fsu.edu). ❖

### FWC name change

Due to a reorganization of the Florida Fish and Wildlife Conservation Commission, the Bureau of Protected Species Management is now located in the Imperiled Species Management Section (ISMS), within the Division of Habitat and Species Conservation.

There is no immediate address change except for the name change and the phone/fax numbers remain the same. The new chief for this section is Kipp Frohlich. ❖



## SHORELINE

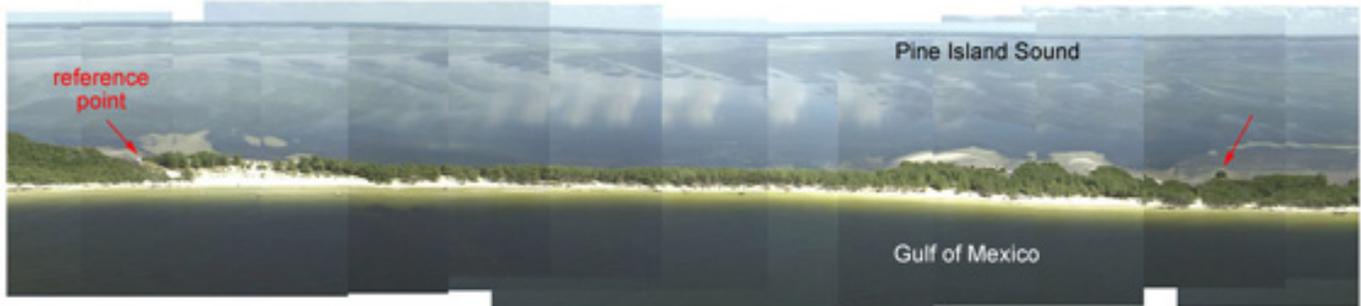
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North Captiva Island, FL  
September 29, 1999



August 15, 2004



### Charley's pass

*Hans Wilson, president of Hans Wilson & Associates Inc. in Fort Myers, was able to fly over many of the areas devastated by Hurricane Charley — including North Captiva (shown before and after here), where Charley chewed through a narrow portion of the island.*

### Conferences

Now is the time to register for the **FSBPA's annual meeting Sept 29-Oct. 1** at the Marco Island Marriott Resort. It has something for everyone.

Of course we'll be updated on the DEP, the Corps, and what is going on in Tallahassee and Washington. In addition, we be answering questions such as, "How do we better control the rising costs of environmental monitoring?" or "How can I better work with the DEP contracting and project management process?"

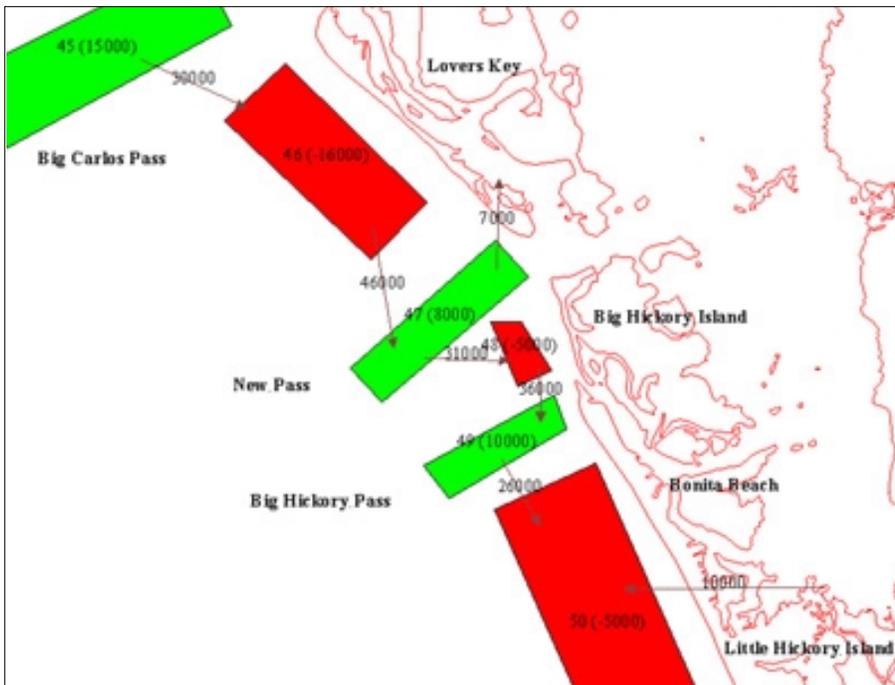
We'll hear about great projects including Boca Raton, Lovers Key, Fort Pierce, and Gulf Shores, AL. We'll look at environmental issues like artificial reef mitigation, hardbottom beach management issues, sea turtle nesting. Then there's the technical information including a new state database, sand searches, and regional sediment budgets.

You can find the full program and registration form on the Web at [www.fsbpa.org](http://www.fsbpa.org).

Just print the form, fill it out, add your credit card number

and fax to (850) 906-9228. Of course you can also mail it along with a check to 2952 Wellington Circle, Tallahassee, FL 32309. Early registration is through Aug. 27. CEUs are available for coastal engineers.

■ **American Shore & Beach Preservation Association's** annual meeting, "America's Shoreline: Beach and Ecosystem Restoration in the 21<sup>st</sup> Century," is at the New Orleans Marriott Sept. 13-15. Details are at [www.asbpa.org](http://www.asbpa.org). FSBPA is a co-sponsor of this conference. ❖



## Regional sediment budget for SW coast under way

By DAN HAUBNER, P.E.  
USACE, Jacksonville District

The Corps of Engineers and Florida's DEP, under contract through Taylor Engineering, produced a Regional Sediment Budget for the Southwest coast of Florida from Collier to Pinellas County as part of the Corps' Regional Sediment Management (RSM) initiative within Florida.

This sediment budget, generated from multiple literature sources, dredging records, and nourishment placements, covers from 1970 to 2000, which reflects the most common overlap of the avail-

able data. It does not reflect any new work involving volume calculations.

The regional sediment budget can continually be improved over time, as newer data becomes available and funding permits. The RSM team's goal is to maintain and improve this budget in order to make sound sediment management decisions and to provide periodic updates to the stakeholders within this region.

The budget can be found at: <https://rsm.saj.usace.army.mil/index2.html>. For information, contact Dan Haubner at the Jacksonville District, (904) 232-2798. ❖

### State faculty positions open

■ The Civil and Coastal Engineering Department at the University of Florida invites applications for up to three tenure-track positions in Coastal and Oceanographic Engineering. The Coastal and Oceanographic Engineering Program has a strong tradition in numerical modeling and field and laboratory studies of coastal, estuarine, and shelf processes. Please send a resume, a statement of teaching and research goals, and names and contact information of three references to: Professor Peter Sheng, Search Committee Chair, Civil and Coastal Engineering Department, University of Florida, Gainesville, FL 32611.

■ Florida Institute of Technology's College of Engineering, Department of Marine & Environmental Systems is accepting application for the position of 2004-05 Doherty Visiting Professor. Please visit the FIT Web site at [www.fit.edu/dmes](http://www.fit.edu/dmes) for additional information or contact department head Dr. George Maul at 150 West University Blvd., Melbourne, FL 32901. ❖