

South Carolina



Planning Education Advisory Committee

Committee Members:

Stephen G. Riley, Chairman
Representing MASC
Term Expires: 2017

Phillip L. Lindler
Representing SCAC
Term expires: 2019

Cliff Ellis
Representing Clemson
University
Term expires: 2020

Wayne Shuler
Representing SCAPA
Term expires: 2018

November 21, 2018

South Carolina Beach Advocates
Ms. Nicole Elko, Executive Director
P.O. Box 1451
Folly Beach, SC 29439

RE: Accreditation as a Sponsoring Organization of CE Programs

Dear Ms. Elko:

During our Committee meeting on Wednesday, November 14, 2018, we agreed to make South Carolina Beach Advocates an approved sponsor of continuing education programs. The criteria for sponsorship approvals is limited to programs in conjunction with Regional Planning Meetings and consistent with State Code. This means that you no longer need to submit individual applications for continuing education offerings. If you develop or offer a program that you believe is appropriate for continuing education purposes, we will accept that assertion.

The conditions all for sponsor-provided continuing education programs are:

- The training is conducted in a group or classroom setting. No self-study or home study is allowed.
- The subject matter of the continuing education training program must be consistent with the requirements of SC Code Sec 6-20-1340(c).
- There must be a coordinator present during all portions of the continuing education training program.
- The Committee reserves the right to audit courses.
- The Committee reserves the right to revoke the approved sponsor designation if it is determined that quality standards are not being met.

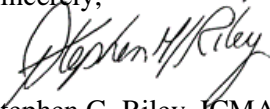
All coordinators must meet the following requirements:

- Be in a position of authority.
- Have a working knowledge of the subject material as it pertains to the jurisdiction.

- Have knowledge of the jurisdiction(s) attending the presentation.
- Be able to facilitate discussion.
- Be able to confirm attendance of the participants.
- Coordinators need not meet the exemption requirements of SC Code Sec. 6-29-1350(a).

We will update the website to list your organization as an approved sponsor with a link to your webpage.

Sincerely,



Stephen G. Riley, ICMA~CM
Chairman

cc: Phillip Lindler, Cliff Ellis, and Wayne Shuler

South Carolina Planning Education Advisory Committee (SCPEAC)

NOTICE OF DECISION

1. The following action have been taken by the SCPEAC on this application:

 X ACCREDITED as a Sponsoring Organization

2. If accredited:

- a. Date of accreditation: November 14, 2018
- b. Criteria for sponsorship approvals is limited to programs in conjunction with Regional Planning Meetings and consistent with State Code.
- c. Certification valid until: Open. Subject to revocation if standards are not met.

Signature of SCPEAC Representative: _____



For further information, contact Mr. Stephen Riley, Chairman, 843-341-4701 or stever@hiltonheadislandsc.gov

APPLICATION FOR ACCREDITATION AS A SPONSORING ORGANIZATION OF CONTINUING EDUCATION PROGRAMS

1. Name and address of Sponsoring Organization:

a. Organization Name: South Carolina Beach Advocates

b. Address: P.O. Box 1451

c. City: Folly Beach, SC

d. State: SC

Zip Code: 29439

e. Telephone: 843 371-7082

f. Email: exdir@scbeaches.org

2. Contact Information:

a. Name of Contact Person: Nicole Elko

b. Title: Executive Director

c. Telephone: 843 371-7082

d. Email: exdir@scbeaches.org

3. Sponsoring Organization Information:

a. How long has this Organization been providing planning and zoning related Continuing Education (CE) programs? since 2014

b. In what other States have you been approved or active, if any?

n/a

c. Approximately how many CE programs or activities do you conduct annually? Include approximate number of credit hours.

One event, about 10 hours

4. Attachments:

- Provide course outlines or brochures describing the content, identifying and showing the professional qualifications of the instructors, listing the times devoted to substantive topics and showing the dates and locations of the last two CE programs which you sponsored. Prior conference brochures identifying the above information will suffice.
- If typically teach specific course topics rather than general broad range conferences, please submit copies of the materials distributed to attendees at the last two CE programs.

c. Provide at least one example of an evaluation form used in the last two years, or prepare a generic evaluation form that you propose to use for review by the SCPEAC. Each program must be evaluated. - see link @ end of 2019 agenda (p.4) www.surveymonkey.com/r/TNMHX78

5. Method of Advertisement:

a. Describe the ways in which you intend to let potential attendees know about these program offerings.

email, newsletter, website, social media, mailed invitation letters to speakers

6. Certification. By submitting this application, the Sponsoring Organization agrees to:

- a. Allow in-person observation, without charge, of all CE activities by the SCPEAC Committee members. Any food, travel or lodging costs will be the responsibility of the Committee member(s).
- b. The Sponsoring Organization acknowledges that its "approved sponsor" status may be withdrawn for violations of the regulations or failure to comply with the agreements and representations contained herein and as may be required by the SCPEAC.

i. Sponsoring Organization: South Carolina Beach Advocates

ii. Name of Representative: Nicole Elko

iii. Title: Executive Director

iv. Phone: 843 371-7082

v. Email: exdir@scbeaches.org

vi. Signature: 

vii. Date: 11/9/18

Application and all Materials may be submitted in one of the following means:

- 1. Electronic submission to each of the committee members listed below via email; or
- 2. Hardcopy via U. S. Mail, 1 copy each to each committee member; or
- 3. Electronic submission of the application via email to all committee members, and submit hardcopy supporting materials via U.S. Mail to each member, if materials not available electronically.
- 4. Please cc all applications to the Chairman's assistant, Krista Wiedmeyer at kristaw@hiltonheadislandsc.gov

To access committee members email and postal addresses visit the link below:

<http://www.scstatehouse.gov/scpeac/members.htm>

NOTICE OF DECISION

7. The following action has been taken by the SCPEAC on this application:

- ACCREDITED as a Sponsoring Organization
- DENIED ACCREDITATION as a Sponsoring Organization
- RETURNED for more information

i. Reason: _____

8. If accredited:

a. Date of accreditation: _____

b. Certification is valid until: _____

Signature of SCPEAC Representative: _____

**For further information, contact Mr. Stephen Riley, Chairman,
843-341-4701 or stever@hiltonheadislandsc.gov**



South Carolina Beach Advocates
2019 Annual Meeting – Planning to Reason with Hurricane Season

<https://scbeaches.org/2019-annual-meeting>

Tuesday, February 12 at 1:00 pm - Wednesday, February 13 at 4:00pm

Wild Dunes Resort, 1 Sundial Circle, Isle of Palms, SC 29451

AGENDA

Tuesday, February 12, 2019

9:00 SC Beach Advocates Board of Directors meeting - **Sweetgrass Pavilion, Tides C**

10:00 Registration opens – **Boardwalk Inn Hotel lobby**

Beach Preservation in South Carolina in 2018-19

Location: Palmetto Hall

Session Chair: Tim Goodwin, Chair, SC Beach Advocates, and Mayor City of Folly Beach

1:00 **Opening Remarks**

Mayor Tim Goodwin, Chair South Carolina Beach Advocates & City of Folly Beach

1:10 **Welcome Address**

Mayor Jimmy Carroll, City of Isle of Palms

1:20 **2019 State Legislative Session Update & Outlook for Beaches: Panel Discussion**

Chip Campsen, SC Senate

Peter McCoy, SC House

Lee Hewitt, SC House

Rep Herbkersman, SC House

Mike Soittle, SC House

Sandy Senn, SC Senate

South Carolina Beach Advocates 2019 Friend of the Coast Award

Senator George E. “Chip” Campsen

Rep. Lee Hewitt

Sponsored by **Manson Construction**



2:20 **2019 Federal Coastal and Navigation Update**

Lt. Col. Jeffrey Palazzini, Commander & District Engineer, USACE Charleston District

2:40 **2019 Happenings in State Beach Management**

Elizabeth von Kolnitz, Chief, SC DHEC Ocean & Coastal Resource Management (OCRM)

3:00 **BREAK**

Sponsored by Cottrell Contracting Corporation





South Carolina Beach Advocates, 2019 Annual Meeting

3:30 **2018-19 S.C. Beach Preservation Updates**

Isle of Palms 2018 Beach Restoration

Steven Traynum, Coastal Science & Engineering

Desiree Fragoso, Interim City Administrator, City of Isle of Palms

Folly Beach Federal Beach Renourishment and Local Groin Rehabilitation Projects

Spencer Wetmore, City Administrator, City of Folly Beach

Heath Hansell, Coastal Engineer, ATM

Wes Wilson, Project Manager, USACE Charleston District

Myrtle Beach Federal Beach Renourishment Project, Reach 1, 2 and 3

Jim Wood, Director of Planning and Development, City of North Myrtle Beach

Janet Curry, Director of Public Works, City of Myrtle Beach

Andy Markunas, Engineering Department Head, Horry County

Wes Wilson, Project Manager, USACE Charleston District

Pawley's Island

Steven Traynum, Coastal Science & Engineering

Wes Wilson, Project Manager, USACE Charleston District

USACE 2019 Coastal Planning Studies: Folly, Pawley's

Brian Williams, USACE Charleston District

5:30

Welcome Reception

1st Drink's on us, cash bar with complimentary hors d'oeuvres

Poolside, Boardwalk Inn Hotel

Sponsored by **Great Lakes Dredge and Dock**





South Carolina Beach Advocates, 2019 Annual Meeting

Wednesday, February 13, 2019

Planning to Reason with Hurricane Season

Location: Palmetto Hall

Session Chair: Blanche Brown, Director, SC Beach Advocates & GM, DCCA

8:00 **Coffee** (Egg, Cheese & Bacon Panini) sponsored by Marinex Construction



8:30 **Hurricane Florence: Lessons Learned from a North Carolina Beach Community**
Tim Owens, City Manager, Town of Wrightsville Beach, NC

8:50 **Planning for the most effective evacuations of South Carolina beach communities**
Elizabeth Ryan, Chief of Recovery and Mitigation, S.C. Emergency Management Division

9:10 **Local hurricane evacuation challenges**
Panel of Local Beach Communities, South Carolina Beach Advocates Board of Directors

10:00 **BREAK**
Sponsored by Gahagan Bryant Associates, Inc.



10:30 **2019 State Budget for Beach Preservation**
Duane Parrish, Director, S.C. Department of Parks, Recreation, and Tourism (SCPRT)

10:50 **Revisions to SC DHEC-OCRM's Beachfront Jurisdictional Baselines and Setback Lines**
Bill Eiser, Eiser Coastal Consulting
Braxton Davis, Director, NC Department of Environmental Quality (invited)

11:30 **Annual Luncheon**
Low Country Shrimp and Grits, Muscadine Chicken, Chopped Salad, Vegetables,
and Dessert
Sponsored by ATM



12:30 **South Carolina Beach Advocates 2017 Membership Meeting**
2019 Board of Directors Election

Awards Presentation:

Presentation of the Bill Otis Award: Linda Tucker
Sponsored by Coastal Science & Engineering





South Carolina Beach Advocates, 2019 Annual Meeting

Human and Ecosystem Health along South Carolina's Beaches

Location: Palmetto Hall

Session Chair: Linda Tucker, Director, SC Beach Advocates

- 1:00 **Resilience and Adaptation Planning on South Carolina Beaches: Septic Vulnerability**
Angelos Hannides, Department of Marine Science, Coastal Carolina University
- 1:30 **Panel Discussion: Beach Communities' Wastewater Management Approaches**
Panel of Local Beach Communities, South Carolina Beach Advocates Board of Directors
- 2:30 **BREAK**
Sponsored by TBD
- 3:00 **Plastics in the Ocean Environment**
Kelly Thorvalson, SC Aquarium (confirmed) kthorvalson@scaquarium.org
- 3:20 **Folly Beach Marshfront Management Plan: A new planning horizon for beachfront communities**
Spencer Wetmore, City Administrator, City of Folly Beach
- 3:40 TBD
- 4:00 Adjourn

Post Event Evaluation Link: <https://www.surveymonkey.com/r/TNMHX78>

Beach Preservation in S.C. in 2015

Session Chair: Marilyn Hatley, Co-Chair, SC Beach Advocates

- 1pm **Welcome**
Mayor Marilyn Hatley, Mayor, City of North Myrtle Beach (NMB)
- 1:10 **2015 State Legislative Session update**
Rep. Gregory D. Duckworth, SC House of Representatives
- 1:30 **Grand Strand Coastal Processes and Management Implications**
Paul Gayes, Coastal Carolina University
- 1:50 **Visioning for the Future in 2015**
Richard DeVoe, Executive Director, SC Sea Grant Consortium
- 2:10 **Recently Adopted Local Comprehensive Beach Management Plans – Panel**
Moderator: Diane Moskow-McKenzie, City of Myrtle Beach
Bill Nelson, Commissioner, Seabrook Island (2015)
Spencer Wetmore, City of Folly Beach (2015)
Jim Wood, Director of Planning and Development, NMB (2014)
- 3:10 **BREAK**
- 3:40 **2015 SC Beach Preservation Updates Panel**
Moderator: Tim Goodwin, Chair & Mayor, City of Folly Beach
DeBordieu Colony Community Association (DCCA)
Blanche Brown, Secretary & DCCA General Manager &
Fran Way (ATM)
City of Isle of Palms Shoal Management
Linda Lovvorn Tucker, Treasurer & City Administrator,
Steven Traynum (CSE)
Town of Kiawah East End
Jim Jordan, Biologist, Town of Kiawah & Steven Traynum
Captain Sams Inlet
Steve Hirsch, Director of Eng., Seabrook Island POA &
Tim Kana (CSE)
- 6:00 **Reception** – 1st drink's on us & hors d'oeuvres
Poolside, Beach Cove Resort

Beach & Inlet Management in South Carolina

Session Chair: Randy Pierce, Administrator, Town of Seabrook Island

- 8:20 **Carolinas Integrated Sciences & Assessments (CISA): Informing Community Resilience**
Elizabeth Fly, CISA & SC Sea Grant Consortium
- 8:40 **SCDHEC OCRM's New Communications Tools for Coastal Communities**
Dan Burger, Director, Coastal Services Division, SC DHEC-OCRM
- 9:10 **Federal Shore Protection & Navigation Projects update 2015**
Bret Walters, Chief of Planning, USACE Charleston District
- 9:30 **U.S. Fish & Wildlife Service: Beach Dependent Threatened and Endangered Species**
Melissa Bimbi, Biologist, U.S. Fish & Wildlife Service
- 9:50 **NC Regional Biological Assessment: A Pathway to Streamlining**
Dawn York, Coastal Scientist, Dial Cordy and Associates
- 10:10 **BREAK**
- Planning, Designing & Permitting Beach & Inlet Projects**
Session Chair: Bill Otis, Jr., Mayor, Town of Pawley's Island
- 10:40 **SC DHEC OCRM Regulatory Division: What to Expect**
Rheta DiNovo, Director Regulatory Programs, SC DHEC OCRM
- 11:00 **BOEM Environmental Studies Program: 2015 Offshore Sand Search in SC**
Jeff Reidenauer, Chief Marine Minerals, Bureau of Ocean Energy Management
- 11:20 **SC DNR sand resource mapping**
Katie Luciano and Andrew Tweel, SC DNR
- 11:40 **The North Carolina Beach and Inlet Management Plan: Funding and Prioritization Strategies**
Johnny Martin, Moffatt & Nichol
- Noon **Luncheon**
Salon C, Beach Cove Resort

Funding and Economics of Beach Preservation

Moderator: Ray Rhodes, Office of Tourism Analysis, College of Charleston

- 1:20 **SC state accommodations tax regulations & collection trends**
Debra Conyers, South Carolina Department of Revenue - Myrtle Beach District Office
- 1:40 **Local Accommodations Tax Adoption, Uses, and Revenue**
Melissa Carter, Municipal Association of South Carolina (MASC)
- 2:00 **Dedicated State Funding Sources for Beach Preservation**
Nicole Elko, Executive Director, SC Beach Advocates
- 2:20 Panel Discussion on Economic Benefits of SC Beaches
- 2:40 **Membership Meeting and Discussion of the Future of the SC Beach Advocates**
Moderator: Tim Goodwin, Chair & Mayor, City of Folly Beach

3:00 **Adjourn**

Sponsors:



South Carolina Beach Advocates

1st Annual Meeting

Beach Preservation in South Carolina in 2015



Tues Sept 29 – Wed Sept 30, 2015

Beach Cove Resort, North Myrtle Beach
4800 South Ocean Blvd.

Website: www.scbeaches.org

Program – updated 17Sep2015

South Carolina Beach Communities Kick-Off Meeting: Beginning a SC Coastal Managers Association

Aug 12 & 13, 2014, Charleston, SC

Meeting Summary

Mayor Tim Goodwin of the City of Folly Beach opened the meeting by welcoming the other elected officials and community representatives. He confirmed Folly's interest in a beach advocacy association for South Carolina communities and introduced Nicole Elko as the meeting organizer. Nicole thanked the 81 registered attendees representing 19 beach communities and 9 state or federal agencies. She provided an overview of the meeting agenda and discussed beach preservation advocacy at the national and state levels.

Dan Burger reviewed state coastal policy issues via recommendations of DHEC-OCRM Shoreline change advisory committee (SCAC) formed in 2007, and the 2012 Blue Ribbon Committee, which were not adopted by the 2014 general assembly. Interestingly, only two of our meeting attendees served on these committees. Dan also mentioned that Policy 48-39-260 charged DHEC with involving local governments. A few of the committees' recommendations that he touched on were to: minimize risk to communities (strengthen the role of local governments), improve planning of beach nourishment projects (develop RSM plan, strengthen reviews, improve monitoring), and establish a dedicated funding source. The Beach Restoration & Improvement Trust Fund exists but has never been funded. State funding has historically been provided through "earmarks".



The Chief of Planning from the U.S. Army Corps of Engineers Charleston District, Bret Walters, discussed federal shore protection projects in South Carolina. He described the Corps' beach related (flood risk management) missions and goals, federal project development and policies related to shore protection projects. Bret reviewed the Myrtle, Folly, Edisto Beach projects, Pawleys Island and Charleston Harbor and discussed the outlook, including past and future challenges in obtaining Congressional funding.



A panel of community representatives included the Mayor of North Myrtle Beach Marilyn Hatley, the General Manager of DeBordieu Colony Community Association Blanche Brown, the Town Administrator of Sullivan's Island Andy Benke, and the Director of Public Projects & Facilities/Chief Engineer for the Town of Hilton Head Scott Liggett. This was an enlightening discussion of the varied communities and types of beach erosion issues (or lack thereof) each are managing. All the communities recognize the beach as their #1 asset, driving the tourism industry.



Mayor Hatley described the successes of the federal project, but stressed the need for more science in beach maintenance planning and better education on challenges such as sea level rise. She also described the Coastal Alliance of the Grand Strand, a group of mayors advocating for beach preservation. DeBordieu Colony, a small community of just over 1200 owners, is funding multi-million dollar beach restoration projects 100% with private funds. Challenges include the deterioration of downdrift timber groins and focused erosion at the bulkhead.



Sullivan's Island has set aside over 200 acres of private accreted lands in the last 50 years through deed restrictions. Thanks to accretion at the Charleston Harbor jetties, the most seaward property is $\frac{1}{4}$ mile from the ocean. Unique challenges exist here, such as funding for long dune walkovers.

Hilton Head is an excellent example of a SC community that has successfully managed erosion for decades. Their beach preservation fee generates \$5 million

annually. Retreat is not the erosion management choice for Hilton Head because the appraised value of the first row of beach properties is \$2.8 billion, which generates \$30 million in tax revenue annually. In terms of future challenges, Scott Liggett (above) is concerned about increased dredging costs and wants improved monitoring plans driven by science. He noted that beach projects have long-lived benefits, which are inadequately documented, and short-lived impacts to habitat.

Breakout groups discussed key examples of success and needs for improvement, as well as the emerging challenges to beach preservation, and identified the following:

Successes

- SC beaches healthier now than 10-30 yrs ago

- used to measure length of eroded beach in miles now in feet
- 47% of SC beaches are preserved wilderness beaches
- Beach Access (via grant funding), recreational value, user beach maintenance fees
- Beachfront Management Act was a great starting point
- Community examples: Sullivan's Island easement on accreted land, maritime forest, Hilton Head's Do Not Build Line & effective economic model from environmental/regulatory perspectives, used beach preservation tax, Seabrook - healthy beach resulted from BMP regarding non-stabilized inlet relocation, but slowed by litigation
- Leveraging funding private/public, overcoming implementation time scales from federal partners
- Effectiveness of beach nourishment projects, provided storm protection
- Project cooperation agreements w USACE and with state
- Finding beach-compatible sediment sources for renourishment
- Beachfront management plans - ID plans for basing beachfront management around knowledge
- Economic impact studies, some have done, others needed, show economic value of the coast
- Environmental: turtle take minimization, maintain sand fences, fertilize dune vegetation

Issues & Challenges

- Funding:
 - Federal: Federal dollars more scrutinized. Federal BCA ranks infrastructure higher than tourism, private communities deal with same issues w less \$
 - State: Need dedicated state funding source, Only \$5M annual state funding.
 - Local: A-tax useful but has competing resources, expectation for higher local share now that A-tax increased and beach preservation fees
 - Cost of dredging
- Sand sources: ID & mapping, get more mileage out of dredged material, regional management of dredged materials (RSM), where is sand, is it compatible?
- Permitting: Streamline permitting and appeals process, lengthy, who has submitted a good application, what's the model?
- Critical Habitat, loggerheads and multi-use restrictions, piping plover
- Public education: Engage those in the upstate, Perception of beach renourishment projects
- Economic analysis: More creative ways to determine future costs
- Technical issues: Understanding hot spot erosion, SLR at 2.93mm/yr - ≈0.3ft/yr of erosion
- Monitoring/mapping: Annual monitoring of inlets/beaches, Mapping vulnerable areas, long-lived benefits (document!) but short-term impacts, Utilize past to help guide future monitoring
- Collaboration b/w all coastal counties, municipalities, state legislators
- Political fortitude
- Legal challenges, real estate, takings, easements
- Land use and zoning challenges – development pressure, property rights issues – septic, limited infrastructure

Tim Kana closed the afternoon session with an overview of the physical condition of SC Beaches. He reminded the group that sea level rise is not the primary cause of erosion, that property values in SC far outweigh the cost of beach nourishment, and that over 20 million cubic yards of sediment were placed on SC beaches in the 1990s, nearly twice as much as any other decade. Tim estimated that statewide, it costs \$39/ft/yr to maintain our beaches.

The group networked during a late afternoon reception.

The second day of the meeting focused on agency perspectives on planning, designing and permitting beach projects. Jaclyn Daly with NOAA National Marine Fisheries Service provided an overview of the federal regulations with a focus on EFH, essential fish habitat. This included examples of the beach nourishment review process and lessons learned from Folly Beach (e.g., dredge shallower), Hilton Head (where shoal notching was successful), and Isle of Palms beach scraping (where frequency of events is a concern). She recommended early consultation meetings and noted that the SARBO (programmatic regional Biological Opinion (BO)) is being updated.

Next, Jeff Reidenauer with BOEM reviewed the Marine Minerals Program which grants leases for borrow areas in federal waters (3 mi offshore). This included overviews of completed/ongoing projects such as Myrtle Beach & Folly Beach, and typical 2 or 3-party MOAs between the local sponsor, (USACE) & BOEM, which require stipulations such as dredging & environmental compliance monitoring. Jeff noted that research to identify offshore sand sources is ongoing thanks to Hurricane Sandy funding.

Debbie King with USACE regulatory provided an overview of their permitting authority (R&H Act, Clean Water Act Sect. 404, and ESA) and mission. This included a review of the type of beach nourishment permits: general (streamlined for small-scale projects in an emergency), land-based equipment (for an upland source/spit relocation), & dredging (hydraulic/hopper). Debbie stressed permitting considerations such as reviews required by federal law, public interest, & others such as time frame/frequency of event & project footprint.

Melissa Bimbi with the local US Fish & Wildlife Service office discussed their regulatory process for threatened and endangered species, particularly Section 7 of the ESA of 1973 administered by FWS & NOAA NMFS which requires designation of critical habitat (CH). Once a Biological Assessment triggers formal consultation, FWS has 135 days to complete a BO. Beach dependent species include loggerhead, sea beach amaranth, red knot, piping plover, & west indian manatee. For species listed before/after 1978, CH designation is discretionary/prudent & determinable. The loggerhead was reclassified in 2011 into 9 distinct population segments thus CH designations are now required. 15 Piping plover CH units designated in 2001. 22 loggerhead CH units designated Monday. Red knot rule will be finalized this fall. Melissa noted that FWS is generally not in favor of mining nearshore sand shoals due to the habitat value. Programmatic consultation vs project-by-project was discussed as a future possibility, as is done in FL, but would likely be a NC-SC-GA combo.

Bill Eiser with DHEC OCRM reviewed the Beachfront Management Act which implemented a 40-yr policy of retreat, the baseline and 40-yr set back line, and promotion of beach nourishment. OCRM requirements include sediment grain size/quality, borrow area selection, identifying environmental

conflicts, & pre- and post-monitoring. Permits for beach nourishment are processed jointly with USACE with a 30-day public comment period and a public hearing if requested by 20 or more citizens (or sometimes by a mayor). DHEC's water quality division has 365 days to issue Water Quality certification!

Denise Sanger, a researcher from SC Department of Natural Resources reviewed concerns of beach nourishment such as changes in beach characteristics. She noted that short-term adverse effects to benthic beach species occur 1-6mo after nourishment, whereas ghost crab impacts can be >1yr. Impacts in borrow areas: bottom invertebrate community impacts observed for ~1 yr, most studies don't extend past a year, borrow area communities tend to recover but change. DNR is concerned over borrow areas filling with mud/non-compatible material. Shallow hopper cuts recover faster, fish populations don't appear to be affected negatively. Denise summarized by stating that negative effects on beach are short term, whereas borrow area impacts are longer term. Beach nourishment has been positive for turtle nesting, but we need research on birds. Denise suggested that agencies might explore relaxation of CBRA restrictions, assuming mining is far enough offshore, and <10 ft, avoid areas south of inlets or design to scour and fill with sand.

Stephen Traynum reviewed the environmental considerations in beach restoration construction and monitoring. He discussed the consultation, design, and implementation of beach projects. Stephen offered some interesting questions to consider, such as: When is enough monitoring done to eliminate certain requirements? And should we consider state-wide documentation of typical impacts to reduce monitoring duplication?

On the second afternoon, breakout groups tried to prioritize common challenges and opportunities and discussed how advocacy could help, and identified the following:

Key Opportunities & Challenges:

- Funding - State dedicated funding source, competition for federal funding, cost of dredging
- Sand resource mapping
- Streamline permitting, update statutes/ordinances
- Regionalization – combining projects to save \$, reduce monitoring
- Education to improve perception of beach nourishment – public & legislators
- Monitoring, data clearinghouse

How can advocacy help?

- Funding – dedicated state funding source, user based fees (increase the A-tax?, property tax, parking fees/passes)
 - Comprehensive SC economic impact analysis
- Educate to improve perception of beach nourishment – public, local residents, legislators, upstate residents & environmental groups (marketing)
- Advocate - More attention, united voice
 - Face in Columbia/Washington (lobbying)

Jim Houston, a Sr. Advisor to Taylor Engineering & Director Emeritus, Engineer Research and Development Center, U.S. Army Corps of Engineers, discussed the esthetic, recreational, environmental, storm damage reduction, and economic value of beaches from a Florida perspective. He suggested that South Carolina might increase the collection of tourism statistics/basic data to support studies, continue to educate legislators on the 2013 recommendations by the Blue Ribbon Committee, in particular to replace the policy of retreat with one of preservation. Jim also suggested the state establish a dedicated funding source for beach restoration, considering SC received \$866 million from tourist spending in 2012.

The final presentation on community involvement in state policy making was given by Mayor Harry Simmons, Director of the NC Beach Inlet & Waterway Association. He discussed the formation of this association which merged a beach preservation, an inlets, and a coastal communities coalition. The board is made of mostly community officials and staff. An ex-officio board engages federal and state agency staff. Harry stated that the NCBIWA has helped guide pro-active strategy, guided by the knowledge and interests of local governments, using proven solutions and engaging experts in the field to get ahead of the needs of the NC coast.

Nicole Elko then led an open discussion on the groups' desire to form an association. Discussion included the need to initiate a **legislative coastal caucus** to educate the legislature and as an advocacy option. It was suggested that the statistics from the **economic study** could supply information to engage upstate counties with high % of second-home-ownership or vacationing at the coast. The lobbying restrictions for 501 c3 non-profits were clarified. Elected officials typically handle lobbying for these groups. Mayor Goodwin of Folly Beach offered to host the first meeting of the association. Finally, the name of the organization should be more inclusive than "coastal communities" to engage academics, agencies, and other experts.

The following attendees volunteered to serve on a formation committee, which will meet in the next 30 days.

Tim Goodwin
Linda Tucker
Blanche Brown
Andy Hammill
Rick Caporale
Paul Sommerville
Will Connor
Denise Parsick
Ray Rhodes
Tim Kana
Steven Traynum
Fran Way
Liz Hartje
Mary Beth
Johnstone
Keil Schmid



Rupert Forester-Bennett

It is not too late to join us! Stay tuned and review presentations on the meeting website:
<http://www.elkocoastal.com/sc-beaches-meeting.html> or contact me (nelko@elkocoastal.com) to get involved.

Submitted Aug 22, 2014, by Nicole Elko

South Carolina Beach Advocates
2016 Annual Meeting – Resilience in the Wake of Matthew

Wednesday, December 7 at 1:00pm - Thursday, December 8 at 3:00pm

Wild Dunes Resort, 200 Grand Pavilion Boulevard, Isle of Palms, SC 29451

AGENDA

Wednesday, December 7, 2016

9:00 SC Beach Advocates Board of Directors meeting - **Sweetgrass Pavilion, Tides C**

10:00 Registration opens – **Boardwalk Inn Hotel lobby**

Beach Preservation in South Carolina in 2016 – Palmetto Hall

Session Chair: Tim Goodwin, Chair, SC Beach Advocates

1:00 **Welcome**

Mayor Dick Cronin, City of Isle of Palms

1:10 **2016 State Legislative Session update & outlook for beaches**

Senator George E. “Chip” Campsen, III, SC Senate

1:30 **Preserving The Value of S.C. Beaches: The Future is Now**

Nicole Elko, Executive Director, SC Beach Advocates

Ray Rhodes, Resource Economist, College of Charleston

2:00 **2016 State Budget for Beach Nourishment**

Phil Gaines, S.C. State Park Service Director, SCPRT

2:30 **Shoreline Management on Isle of Palms**

Linda Lovvorn Tucker, City Administrator, Isle of Palms

Steven Traynum, Coastal Science & Engineering

3:00 **BREAK**

3:20 **Updating beachfront jurisdiction baselines according to Senate Bill 139**

Elizabeth von Kolnitz, Chief, SC DHEC-OCRM

3:40 **Working with the U.S. Army Corps of Engineers**

Diane Perkins, Chief of Planning and Environmental, USACE Charleston District

4:00 **2016 SC Beach Preservation Updates Panel**

Moderator: Mike Mahaney, North Myrtle Beach

Pawleys Island Sand Scraping

Mayor William L. Otis, Jr.

Andrew Giles, Coastal Science & Engineering

Town of Hilton Head Island 2016 Beach Renourishment Project

Scott P. Liggett, P.E., Director of Public Projects & Facilities/Chief Engineer

Christopher G. Creed, P.E., D.CE, Vice President, Olsen Associates, Inc.

5:00 **Seabrook Island, An ASBPA 2016 Best Restored Beach**

Steve Hirsch, Director of Engineering, Seabrook Island Property Owners Assoc.

5:30 **Reception** 1st Drink's on us, cash bar with complimentary hors d'oeuvres
Poolside, Boardwalk Inn Hotel

Thursday, December 8, 2016

Beach Preservation Collaborations – Palmetto Hall

Session Chair: Marilyn Hatley, Co-Chair, SC Beach Advocates

- 8:20 **Updates on Beach Dependent Threatened and Endangered Species**
Melissa Bimbi, Endangered Species Biologist, U.S. Fish & Wildlife Service
- 8:40 **FEMA Remapping and Appeals Process**
Fran Way, Senior Coastal Engineer, ATM & Heath Hansell, Coastal Engineer, ATM
- 9:00 **Accreted Lands on South Carolina Barrier Islands**
Andy Benke, Administrator, Sullivan's Island, & Tim Kana, Coastal Science & Engineering
- 9:20 **Pooling Resources: How Communities in Dare County, NC are Working Together to Construct Locally Funded Beach Projects**
Ken Willson, Program Manager, CB&I
- 9:40 **BREAK**

Local Beach Project Management

- 10:00 **USACE Response to Hurricane Matthew in South Carolina**
Mike Hind, Chief of Emergency Mgmt., USACE Charleston District
- 10:20 **Municipal Ordinances Related to Beach Management: Panel**
Moderator: Dan Burger, Director, Coastal Services Division, SC DHEC-OCRM
John Pedersen, City Manager, City of Myrtle Beach
Mayor Bill Otis, Pawleys Island
Scott P. Liggett, P.E., Director of Public Projects & Facilities/Chief Engineer
Linda Lovvorn Tucker, City Administrator, Isle of Palms
- 11:30 Luncheon – Palmetto Hall**
Luncheon speaker: Mike Mahaney, City Manager, City of North Myrtle Beach
1 % Capital Sales Tax

Beach Community Management Challenges

- 1:00 **Municipal A-Taxes: 2016 Update and Air B&Bs**
Melissa Carter, MASC
- 1:20 **Beachfront Homeowners Associations – Challenges of “Private” Beach Management**
Moderator: Bill Eiser, Eiser Coastal Consulting
Blanche Brown, General Manager, DeBordieu Colony Community Association
Will Connor, Director, Major Repairs and Replacements, Kiawah Island Community Association
Dave Kynoski, Chief Operating Officer, Wild Dunes Community Association
Steve Hirsch, Director of Engineering, Seabrook Island Property Owners Association
- 2:20 Membership Meeting - SC Beach Advocates
Moderator: Tim Goodwin, Chair & Mayor, City of Folly Beach
- 2:30 **Adjourn**

South Carolina Beach Advocates

2016 Annual Meeting



2016 Annual Meeting

December 7th -8th 2016

Wild Dunes Resort | Isle of Palms, SC

SPEAKER BIOS

S.C. Senator Chip Campsen, who has served as an elected official in South Carolina since 1997 and operates Fort Sumter Tours and Campsen and Campsen Attorneys at Law.

Dr. Nicole Elko is the Executive Director of the S.C. Beach Advocates, the Vice President of Science and Technology for the American Shore and Beach Preservation Association, and has been the President of Elko Coastal Consulting since 2007.

Phil Gaines, the State Park Service Director with SCPRT. Phil is on the Board of Directors for the National Association of State Park Directors, and the National Association of State Outdoor Recreation Liaison Officers.

Linda Tucker has been the City Administrator for the City of Isle of Palms for 16 years, completing more than \$28M in capital improvements on the island. Steven Traynum is a Coastal Scientist with Coastal Science and Engineering in Columbia, SC.

Elizabeth von Kolnitz, the relatively new Chief of DHEC's Office of Ocean and Coastal Resource Management. She has been with the Department since 2005 and previously worked with the SC DNR Marine Resources Department.

Diane Perkins is the Chief of Planning and Environmental at the Charleston District Army Corps of Engineers. Diane leads the study and environmental compliance efforts to support federal participation in civil works projects that solve the nation's most complex water resource related problems. This dynamic branch is focused on the efficient and effective coordination and accomplishment of the investigation, engineering and design, and construction phases for Charleston District projects. As Chief, she has full responsibility for the development and administration of the civil works planning program, including all environmental compliance for existing and proposed new federal projects in South Carolina and other areas within the region. This involves frequent outreach to and collaboration with state and federal resource agencies as well as project sponsors, stakeholders and the public.

Mike Mahaney has been the City Manager of North Myrtle Beach since 2010. He received a Master of Public Administration from James Madison University and a Bachelor of Science in Civil Engineering from Virginia Polytechnic and State University, began his career in local government management in 1981 as manager for the Borough of Somerset in Pennsylvania. He has continued his career as city manager for the City of Covington, Va.; the City of St. Mary's, Ga.; and the City of Kannapolis, N.C. Most recently, Mr. Mahaney worked as the county administrator of Nassau County, Fla., and the city manager for the City of Deerfield Beach, Fla.

William L. Otis, Jr. served for 20 years as Mayor of the Town of Pawleys Island, South Carolina created a beach management plan for the Town and simultaneously paving the way for sound state beach management. He kept up a long-tradition of South Carolina Coastal Zone Management support from Pawleys Island started by Rep. Linwood Altman who was on the South Carolina Coastal Council from the earliest days. His knowledge of, and dedication to, state coastal management was recognized when he was appointed to the Blue Ribbon Committee on Shoreline Management, created by DHEC to develop specific regulatory recommendations to enhance the management of South Carolina's coastal resources and habitats.

Andrew Giles is a coastal engineer with Coastal Science & Engineering, based in Columbia, SC who graduated from the University of South Carolina. He works on the planning of beach restoration projects in South Carolina.

Scott Liggett, is the Director of Public Projects and Facilities/Chief Engineer for the Town of Hilton Head Island.

Chris Creed is a senior coastal engineer with Olsen Engineering based in Jacksonville Florida. He earned his Master of Civil Engineering degree as a Davis Fellow from the University of Delaware's Center for Applied Coastal Research. He also holds a Bachelor of Science Degree in Civil Engineering with honors from North Carolina State University. As a Senior Engineer and Vice President for Olsen Associates, Inc., he performs project management, site investigations, planning, studies, engineering, design, permitting, and construction management functions for a wide variety of coastal engineering projects

Steve Hirsch the Director of Engineering for the Seabrook Island Property Owners Association.

Melissa Bimbi, an Endangered Species Biologist with the US Fish & Wildlife Service's South Carolina Field Office. She has been with the agency for over 12 years and is the co-lead for the piping plover and red knot in the Southeast.

Fran Way, a Senior Coastal Engineer, and Heath Hansell, a Coastal Engineer with ATM, based in Charleston SC. Fran and Heath are involved in the planning, permitting, and construction of beach and dune restoration projects in the southeast.

Andy Benke, the Town Administrator of Sullivan's Island

Tim Kana, the President of Coastal Science and Engineering.

Ken Willson, a Project Manager with CB&I based in Wilmington, NC.

Mike Hind is the Chief of Emergency Management from the Charleston District Army Corps of Engineers. His job is to develop and prepare the district for future emergencies, including getting more training for the entire district staff in emergency response, as well as improvements for the District's education and outreach to the community for emergency preparedness. He creates manuals for each emergency operations role on the Crisis Response Team so that anyone can learn the role while creating materials for the public to ensure their families are better prepared.

Hind is also supports the Emergency Management Accreditation Program, which identifies aspects of emergency response that a district isn't doing well and finds way they can improve.

Dan Burger, the Director of OCRM's Coastal Services Division

Allison Hardin, a Land Use Planner with the City of Myrtle Beach received the Association of State Floodplain Managers' Louthain Award for Distinguished Service for 2017. The national award was presented at the 41st ASFPM Annual National Conference in Kansas City, Missouri. The ASFPM Board established the award in 1995 as the highest award to recognize individuals who, through dedication and long-term efforts, have influenced the association's work.

Melissa Carter, who joined the Municipal Association of South Carolina's communications and advocacy department in 2007 and represents the interests of South Carolina cities and towns to the General Assembly providing research and testimony on efficient and effective governance of SC municipalities.

Bill Eiser recently retired from OCRM where he was the principal staff person responsible for beachfront line revisions. Bill was a dedicated public servant who promoted sound beach management practices in South Carolina for many years, working for the S.C. Department of Health and Environmental Control's Office of Ocean and Coastal Resource Management since 1989, as staff oceanographer and more recently as Assistant Director of the Regulatory Division. His job duties included establishing the location of his agency's beachfront jurisdictional lines, reviewing all beachfront permit applications, from residential construction to beach renourishment projects, and writing the Annual State of the Beaches Report. He holds a Bachelors and Masters degree in Marine Science from the University of South Carolina. Today, he owns Eiser Coastal Consulting and is an active South Carolina Beach Advocates member, helping us understand and navigate this year's line revision process.

Blanche Brown, General Manager, DeBordieu Colony Community Association

Will Connor, Director, Major Repairs and Replacements, Kiawah Island Community Association

Dave Kynoski is the Chief Operating Officer, Wild Dunes Community Association. As COO, Dave is responsible for implementing the governing policies of the Board of Directors. He is also responsible for all Association operations, including supervision of the WDCA staff and all contractual agreements, coordination of security operations, implementation of repairs and improvements to common facilities including landscaping, roads, drainage and lagoons, development of the budget and construction project management. Dave was hired in 1998 as the Association's General Manager.

Heather Paton, Executive Director, Seabrook Island Property Owners Association oversees a beautiful large-scale community of over 2,600 properties. Between 2007 - 2013 she served as Assistant Executive Director of the Association, managed Architectural Review and Enforcement, General Operations and Maintenance of Community facilities and infrastructure, environmental functions, records administration, resident services and coordinated the Audubon International Sustainable Communities and Sense of Place initiatives.



South Carolina Beach Advocates

2017 Annual Meeting – Adaptation and Resilience in the Wake of Irma

Wednesday, November 8 at 8:30am - Thursday, November 9 at 12:00pm

James Island County Park, 871 Riverland Dr, Charleston, SC 29412

AGENDA

Wednesday, November 8, 2017

Beach Preservation in South Carolina in 2017

Location: Edisto Hall

Session Chair: Tim Goodwin, Chair, SC Beach Advocates, and Mayor City of Folly Beach

8:30 Down South Continental Breakfast, Sponsored by Cottrell Contracting Corp.



Welcome

Mayor Tim Goodwin, Chair South Carolina Beach Advocates & City of Folly Beach

8:40 **2017 State Legislative Session update & outlook for beaches (tentative)**

Senator Sandy Senn, S.C. Senate

9:00 **2017 Happenings in State Beach Management**

Elizabeth von Kolnitz, Chief, SC DHEC Ocean & Coastal Resource Management (OCRM)

9:30 **Navigating Post-Disaster Challenges in South Carolina**

Elizabeth Ryan, Chief of Recovery and Mitigation, South Carolina Emergency Management Division

10:00 **BREAK**

10:30 **FEMA Coastal Flood Study for South Carolina: Implications for Beach Communities**

Jessica Artz, SC DNR Flood Mitigation Specialist & Chris Mack, Coastal Services Program Manager, AECOM

10:50 **Southeast Coastal Assessment (CSA): Creating the Shared Vision**

Jackie Keiser, CSA Program Manager, Jacksonville District, USACE

Diane Perkins, Planning and Environmental Branch Chief, Charleston District, USACE

11:10 **North Carolina Beach & Inlet Management Plan: An Evaluation for a Dedicated Beach Nourishment Fund**

Robert Neal, Project Manager, Moffatt and Nichol

11:30 **Annual Luncheon**

Low Country Shrimp and Grits, Muscadine Chicken, Chopped Salad, Vegetables, and Dessert

Sponsored by ATM



12:30 **South Carolina Beach Advocates 2017 Meeting of Members**

2018 Board of Directors Election

Dedication of the Bill Otis Award

Sponsored by Coastal Science & Engineering





South Carolina Beach Advocates, 2017 Annual Meeting

Wednesday, November 8, 2017 (cont.)

Session Chair: Blanche Brown, Secretary, SC Beach Advocates & GM, DeBordieu Colony Community Assn.

1:00 **Beach Preservation on Folly Beach: Past and Present**

Spencer Wetmore, City Administrator, City of Folly Beach
Wes Wilson, Project Manager, USACE Charleston District

1:30 **2017 Federal Coastal and Navigation Update**

Lt. Col. Jeffrey Palazzini, Commander & District Engineer, USACE Charleston District

1:50 Panel Discussion

2017 Revisions to SC DHEC-OCRM's Beachfront Jurisdictional Baselines and Setback Lines

Moderator: Bill Eiser, Eiser Coastal Consulting

Mary Shahid, Nexsen Pruet
Leslie Lenhardt, Lenhardt Law Firm

3:00 **BREAK**

Sponsored by Gahagan Bryant Associates, Inc.



3:30 **2017 S.C. Beach Preservation Updates**

Town of Hilton Head Island 2017, Irma-Impacted, FEMA-funded, Post-Matthew Recovery Project
Scott P. Liggett, Director of Public Projects & Facilities/Chief Engineer

Edisto Beach Project

Mayor Jane Darby, Town of Edisto Beach
Steven Traynum, Coastal Science & Engineering

Myrtle Beach Federal Beach Renourishment Project, Reach 1 and 3

Jim Wood, Director of Planning and Development, City of North Myrtle Beach
Andy Markunas, Engineering Department Head, Horry County
Wes Wilson, Project Manager, USACE Charleston District

Murrells Inlet Dredging, Garden City, Huntington Beach State Park Nourishment

James Coley, Engineering Capital Projects Planner, Georgetown County
Wes Wilson, Project Manager, USACE Charleston District

6:00 **Welcome Reception**

1st Drink's on us, cash bar with complimentary hors d'oeuvres
Pier 101, 101 E Arctic Ave, Folly Beach, SC 29439
Sponsored by **Great Lakes Dredge and Dock**





South Carolina Beach Advocates, 2017 Annual Meeting

Thursday, November 9, 2017

Location: Edisto Hall

Session Chair: Linda Tucker, Director, SC Beach Advocates & Administrator, Isle of Palms

8:30 **Breakfast** (Egg, Cheese & Bacon Panini) sponsored by Marinex Construction



8:50 **Post-Storm Damage Assessments of Erosion Control Devices and Beachfront Structures**
Sean Briggs, Compliance & Enforcement Manager, SCDHEC-OCRM & Heath Hansell, Coastal Engineer, ATM

9:10 **2017 State Budget for Beach Preservation**
Phil Gaines, State Park Director, S.C. Department of Parks, Recreation, and Tourism

9:30 **Resilience and Adaptation Planning on South Carolina Beaches**
Moderator: Dan Burger, Director Coastal Services Division, SCDHEC-OCRM

Bennett Jones, Enough Pie
Kirstin Dow, Professor of Geography, University of South Carolina
Spencer Wetmore, Administrator, City of Folly Beach
Ginnie Kozak, Lowcountry Council of Governments
Keil Schmid, Geoscience Consultants, LLC

10:30 **BREAK**

Awards Presentation:

South Carolina Beach Advocates Friend of the Coast Award

Senator George E. "Chip" Campsen
Rep. William G. "Bill" Herbkersman

Sponsored by **Manson Construction**



Panel on South Carolina Offshore Resources

11:00 South Carolina Offshore Sediment Resources Inventory
Katie Luciano, Geologist, S.C. Department of Natural Resources, Geological Survey
Andrew Tweel, Assistant Marine Scientist, S.C. Department of Natural Resources, Marine Resources Research Institute

11:15 Overview of The Nature Conservancy (TNC) Offshore Natural Resource Mapping Activities
Liz Fly, Marine Conservation Director, TNC

11:30 SODA: Stop Offshore Drilling in the Atlantic
John Thomas, Council Member, Georgetown County

11:45 Panel Discussion

12:00 **Adjourn**

South Carolina Beach Advocates

2017 Annual Meeting

Resilience and Adaptation in the Wake of Hurricane Irma



2017 Annual Meeting

November 8th -9th 2017

Edisto Hall | James Island County Park

SPEAKER BIOS

Wednesday, November 8, 2017

Beach Preservation in S.C. in 2017

Senator Sandy Senn. Senator Senn has represented Senate District 41, which includes Charleston and Dorchester Counties, since 2016. She has been practicing law with a specialty in civil rights defense for more than 25 years. Senator Senn understands the need to protect, preserve, and promote one of our state's most important natural resources -- our beaches.

Elizabeth vonKolnitz, the Chief of DHEC's Office of Ocean and Coastal Resource Management. She has been with the Department since 2005 and previously worked with the SC DNR Marine Resources Department.

Elizabeth Ryan, the Chief of Recovery and Mitigation for the South Carolina Emergency Management Division. Her responsibilities include the Individual Assistance and Public Assistance, Hazard Mitigation, and Pre-Disaster Mitigation grant programs.

Jessica Artz, a Flood Mitigation Specialist with South Carolina DNR, and Chris Mack, the Coastal Services Program Manager with AECOM. Chris spent 13 years with the US Army Corps of Engineers and has an additional 13 years in private coastal engineering.

Jackie Keiser from the US Army Corps of Engineers' Jacksonville District and Diane Perkins, the Planning and Environmental Branch Chief at the Charleston District.

Robert Neal, a Coastal Engineer and Program Manager in Moffatt and Nichol's Wilmington North Carolina office with 20 years of experience in beach planning and preservation projects.

Spencer Wetmore, who is a licensed attorney and former prosecutor, and currently serves as the City Administrator for Folly Beach. Spencer is co-presenting with Wes Wilson, a Project Manager at the US Army Corps Charleston District.

Lieutenant Colonel Jeffery Palazzini the US Army Corps Charleston District Commander. He served as a lieutenant with the 16th Engineer Battalion, 1st Armored Division in Giessen, Germany, and deployed to Kosovo as a platoon leader. He commanded E Company, 1-68 Combined Arms Battalion, 4th Infantry Division in Fort Carson, Colorado, deploying twice in support of Operation Iraqi Freedom. As a major, he was assigned to the 3rd Brigade Combat Team (505th PIR), 82nd Airborne Division as the Brigade Engineer and 307th Brigade Engineer Battalion's Operations Officer. Lt. Col. Palazzini also served as an assistant professor in the West Point Social Sciences Department where he taught Principles of Economics, Leadership and was the course director for Macroeconomics. Most recently, Lt. Col. Palazzini was the Deputy Commander for the U.S. Army Corps of Engineers, Sacramento District. During this assignment he deployed to Iraq as the Deputy Commander for the Mosul Dam Task Force in support of Operation Inherent Resolve

Bill Eiser recently retired from OCRM where he was the principal staff person responsible for beachfront line revisions. Bill was a dedicated public servant who promoted sound beach management practices in South Carolina for many years, working for the S.C. Department of Health and Environmental Control's Office of Ocean and Coastal Resource Management since 1989, as staff oceanographer and more recently as Assistant Director of the Regulatory Division. His job duties included establishing the location of his agency's beachfront jurisdictional lines, reviewing all beachfront permit applications, from residential construction to beach renourishment projects, and writing the Annual State of the Beaches Report. He holds a Bachelors and Masters degree in Marine Science from the University of South Carolina. Today, he owns Eiser Coastal Consulting and is an active South Carolina Beach Advocates member, helping us understand and navigate this year's line revision process.

Mary Shahid, served for a decade in the General Counsel's office of the South Carolina Department of Health and Environmental Control, as Chief Counsel of the coastal permitting office. There she advised multiple permitting programs including the Office of Ocean and Coastal Resource Management, the Bureau of Water, the Mining Division, and the Solid Waste Management Division. Since leaving DHEC in 2002 she has represented land-owners, utilities, real estate developers, industry, and local governments in permitting and compliance issues arising from regulation by DHEC, the U. S. Army Corps of Engineers, and zoning and land use authorities.

Leslie Lenhardt focuses her practice on coastal environmental and civil litigation. She is a former Chief Counsel for the South Carolina Department of Health and Environmental Control, Office of Ocean and Coastal Resource Management (OCRM), and has substantial experience assisting clients in obtaining environmental permits, handling enforcement matters, and litigating in the administrative forum as well as in state civil court

Scott Liggett, the Director of Public Projects and Facilities and Chief Engineer for the Town of Hilton Head.

Mayor Jane Darby from the Town of Edisto Beach and Steven Traynum with Coastal Science and Engineering. Steven received degrees from the University of South Carolina (BS and MS, Marine Science), Old Dominion University (Coastal Engineering Certificate)

Jim Wood has been the Director of Planning and Development for the City of North Myrtle Beach for 10 years. Jim has a Ph.D. in urban planning from West Virginia University.

Wes Wilson, Project Manager at the USACE Charleston District. Andy Markunas from Horry County Engineering. James Coley the Engineering Capital Projects Planner for Georgetown County

Sean Briggs, who is the Manager of DHEC OCRM's Compliance and Enforcement Section. Sean serves as the Damage Assessment Coordinator during times of emergency operations. He'll be speaking with Heath Hansell, a coastal engineer with ATM.

Phil Gaines, the State Park Service Director with SCPRT. Phil is on the Board of Directors for the National Association of State Park Directors, and the National Association of State Outdoor Recreation Liaison Officers.

Dan Burger, the Director of OCRM's Coastal Services Division

Bennett Jones is a Community Manager at Enough Pie, a non-profit that uses creativity to connect and empower the residents of Charleston, South Carolina's Upper Peninsula

Ginnie Kozak, *Director of Planning*, Lowcountry Council of Governments Since 2001 Ginnie has worked with the Lowcountry Council of Governments where she is presently the director of Planning, responsible for projects in areas such as transportation, economic development and community planning, and water quality. After graduating from Vassar College in New York, Ginnie earned a Master of Science in Urban and Regional Planning from the University of Toronto and an MBA from Queens University in Kingston, Ontario. Ginnie is also an adjunct business professor at the Beaufort campuses of Webster and Park Universities where she teaches economics, finance, marketing and operations management at both the graduate and undergraduate level.

Keil Schmid is the founder of Geoscience Consultants, LLC with 20 years experience working on coastal issues including Sea Level Rise, Marsh Change, Coastal Erosion and Shoreline Change. I have concentrated on the use of Remote Sensing, and in particular LiDAR data, to augment site studies of coastal development and change. I have experience processing large quantities of data to extract specific information to effectively address environmental and engineering concerns across the US

Katie Luciano, a Geologist with the South Carolina DNR Geological Survey, and Andrew Tweel, a Marine Scientist with the South Carolina DNR Marine Resources Research

Liz Fly the new Marine Conservation Director for The Nature Conservancy.

John Thomas who is a Council Member on the Georgetown County Council and co-founder of the organization called Stop Offshore Drilling in the Atlantic.

2016 Beach Renourishment

The Town of Hilton Head Island recognizes that its beaches are a vital asset to its residents and the Island's economy. As part of the Town's long-term strategy for beach restoration and maintenance, the Town plans to begin its 2016 \$20.7 million renourishment project in June 2016. Although work will commence this summer, high density visitor-oriented beaches along central shoreline will not be impacted until fall (See Map Below). The funding source of the project is a longstanding 2% fee imposed on overnight lodging.

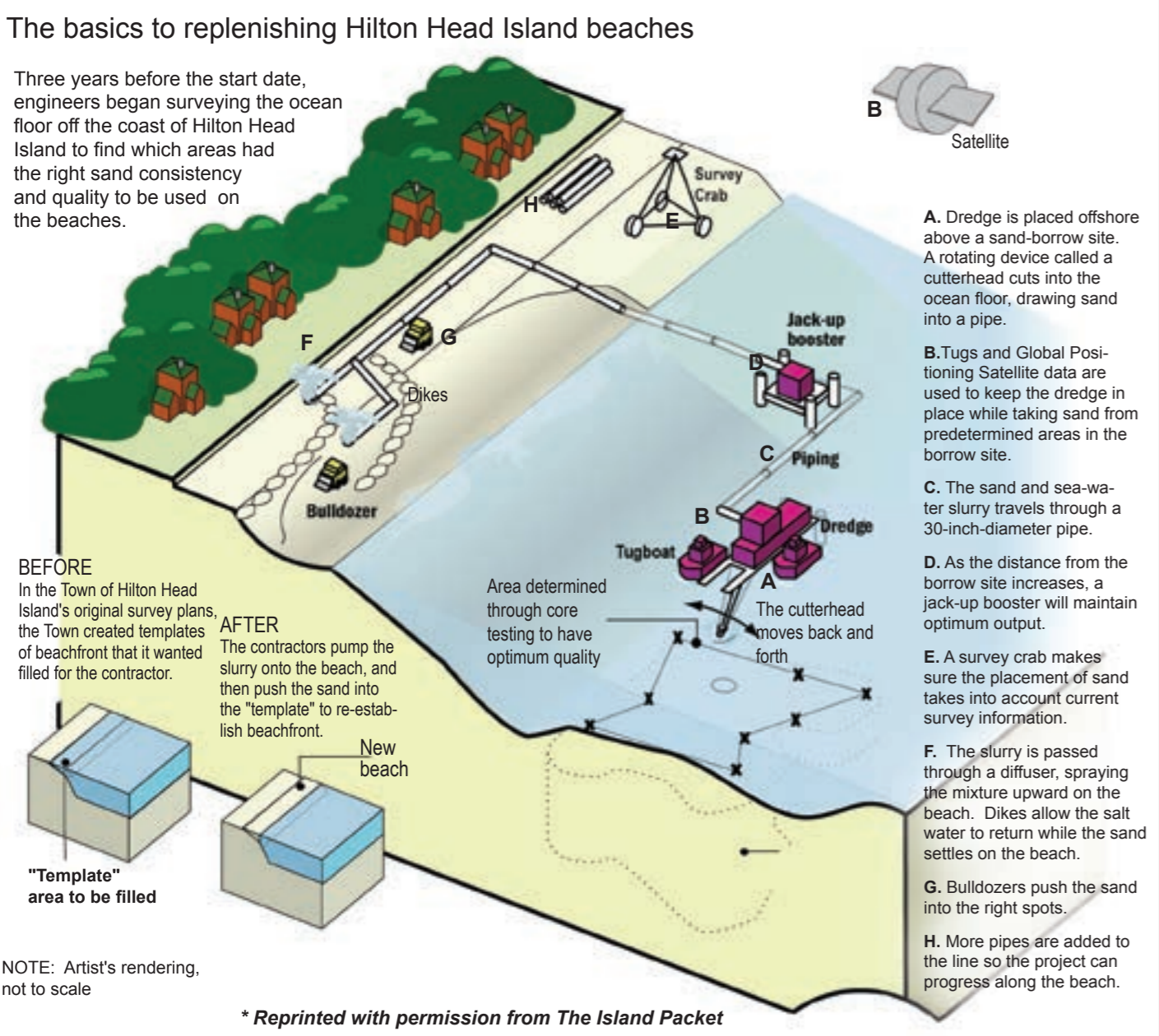
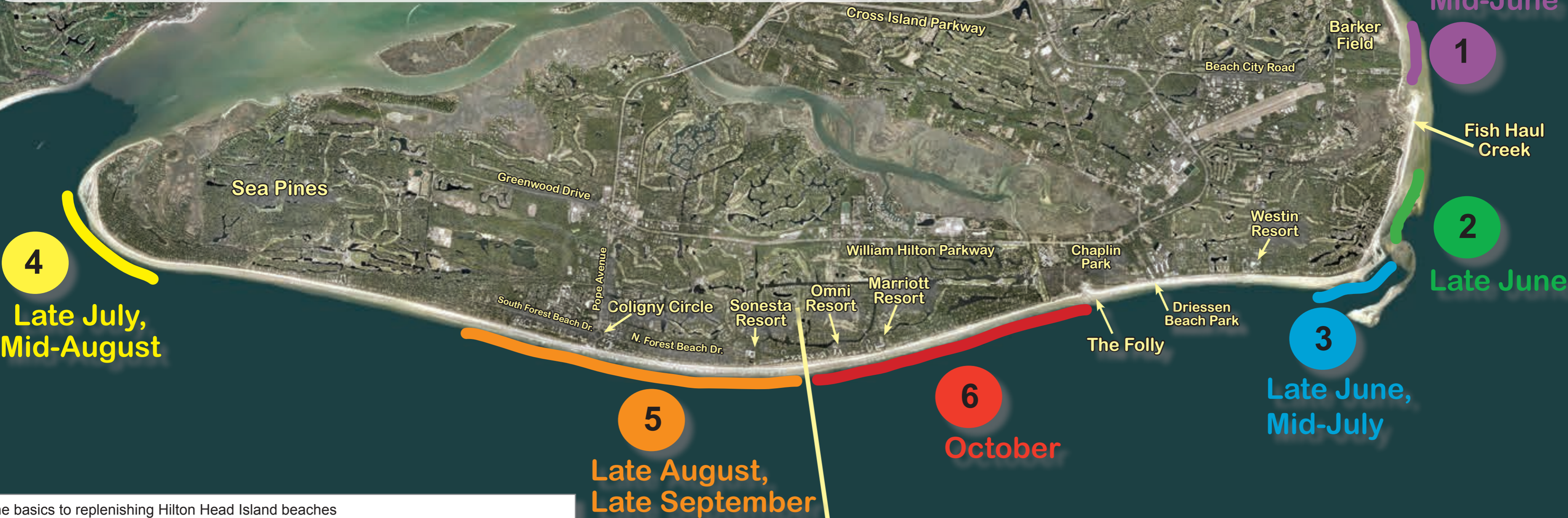
The 2016 renourishment of the Atlantic oceanfront shoreline will be similar to the projects constructed in 1990, 1997 and 2006, with the exception that no sand will be placed between The Folly and The Westin Resort. The project construction is expected to last about 5 months. Because the project is extremely large, construction operations must proceed around the clock and will, on average, move along the shoreline at a rate of about 200 to 300 feet per day. Only about 1,000 feet of beach access will be restricted per day.

For more information regarding this project including maps, photos, FAQ's, updates and more, please visit our website at www.hiltonheadislandsc.gov. Additionally, the Town has created a new 2016 beach renourishment project e-subscription service category for subscribers to receive project updates and daily restricted area location reports via email and/or text message notifications. Please visit our website to sign-up for this free service and stay up-to-date on the latest beach renourishment project information as well as a variety of other topics.



Our Beach is Open for Business in 2016!

This Map displays the total area that will be addressed during the 5 month renourishment project. Please note that only 1,000 feet of beach access will be restricted per day, leaving all remaining beach on Hilton Head Island available for use.



Sand from Barrett Shoals Borrow Area ← → Sand from Bay Point Borrow Area

This white line illustrates 1000 ft. (the approximate portion of the beach restricted at a time)

Join our Facebook page for project updates
<http://facebook.com/TownofHiltonHeadIslandSC>



NOTE: The beach nourishment areas and shoals are approximations. The order of beach renourishment may alter, and start dates are subject to change.

Hilton Head Island Beach Project Summary



	1990 (2.34 Mcy; offshore)
	1997 (3.38 Mcy; offshore)
	1999 (0.25 Mcy; offshore)
	2006 (2.72 Mcy; offshore)
	2012 (1.25 Mcy; offshore)
	2013 (20k cy; upland)
	2016 (2.7 Mcy; offshore)
Total (12.67 Mcy)	





Beach Erosion & Ocean Outfalls

Beach Erosion

80% of the 750,000 cubic yards of sand placed along our 9 miles of beach during the 2008 beach renourishment project has been lost to erosion.



Beach Erosion

In some locations along our shore, we no longer have a high tide beach.



Beach Erosion



Dune Erosion

Some of our dunes suffered severe erosion in 2015 & 2016. They were breached during heavy storms and king tides, flooding some streets and properties.



Dune Erosion



Storm Water Drainage Pipes

Installed by SCDOT when Ocean Boulevard was built, storm water drainage pipes can expel bacteria-laden storm water into the “swim zone” during rain events.



Storm Water Drainage Pipes

The pipes also take away from the aesthetics of the beach.

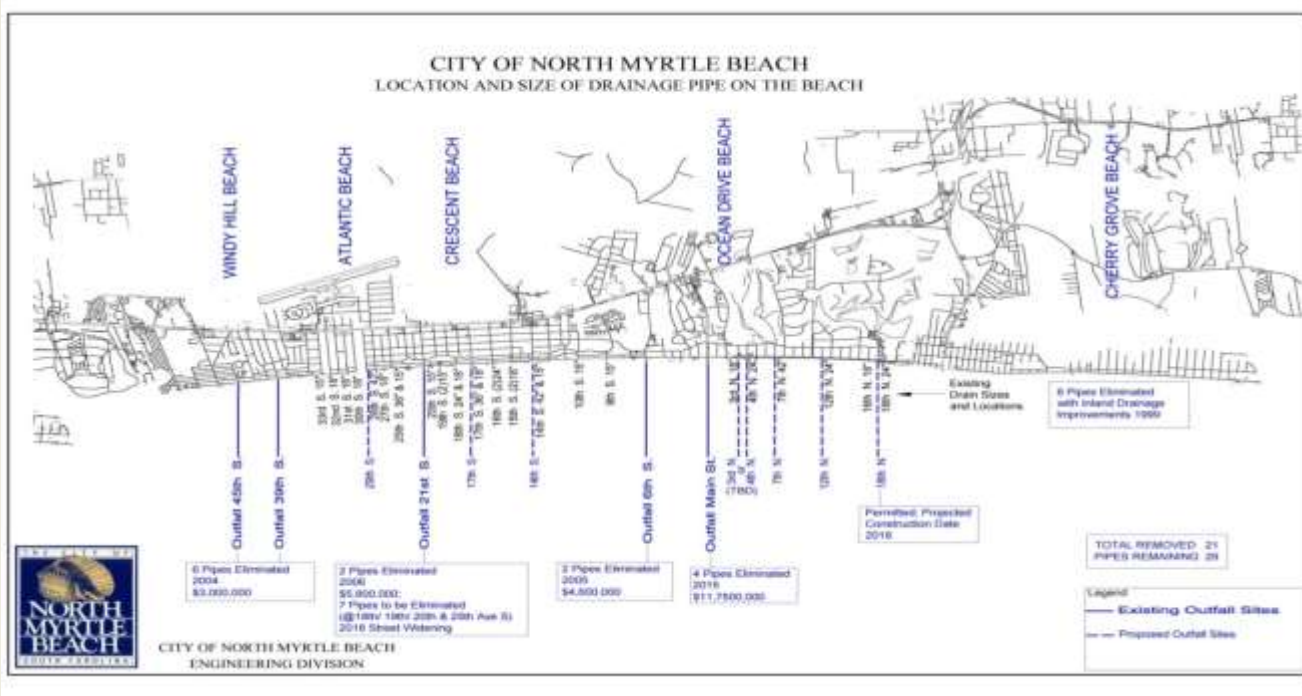


Storm Water Drainage Pipes



Ocean Outfalls

Ocean Outfalls collect storm water regionally, then expel it a quarter-mile offshore via underground pipes. This keeps bacteria-laden storm water out of the “swim zone” and enables us to remove the storm water pipes from the beach



Ocean Outfalls

Outfalls require a lot of infrastructure & must meet stringent federal, state permitting requirements. Here, temporary pier is built to install underwater pipe.



Ocean Outfalls

Our most recent Ocean Outfall cost over \$11 million, paid for with a monthly storm water fee charged to property owners. It takes years to fund one Outfall.



Ocean Outfalls



Ocean Outfalls





Questions & Answers

The background features a dark blue gradient with faint, overlapping circular patterns and numerical scales. Some of the visible numbers include 40, 150, 160, 170, 180, 190, 200, 210, 220, 240, 250, and 260. The text is centered and reads:

DEDICATED STATE FUNDING FOR SOUTH
CAROLINA BEACH PRESERVATION:
THE FUTURE IS NOW

NICOLE ELKO, PH.D., EXECUTIVE DIRECTOR, S.C. BEACH ADVOCATES

SOUTH CAROLINA BEACH ADVOCATES

Who we are: The only organization in South Carolina formed by elected officials to represent the state's beach communities

Board of Directors:

- Chair: Mayor Tim Goodwin, City of **Folly Beach**
- Vice-Chair: Mayor Marilyn Hatley, City of **N Myrtle Beach**
- Secretary: Blanche Brown, GM, **DeBordieu Colony Comm. Assoc.**
- Treasurer: Will Connor, Director MR&R, **Kiawah Island Comm. Assoc.**
- Mayor Bill Otis, Town of **Pawleys Island**
- Iris Hill, Administrator, Town of **Edisto Beach**
- Linda Lovvorn Tucker, Administrator, City of **Isle of Palms**
- Randy Pierce, Administrator, Town of **Seabrook Island**
- Ray Rhodes, Resource Economist, College of Charleston



SOUTH CAROLINA BEACH ADVOCATES

- Education is our mission:
- We aim to educate the public, governmental authorities, and elected officials as to the environmental, economic, and societal impacts of South Carolina's beaches and inlets.



the value of

HOW TO PRESERVE S.C. BEACHES?

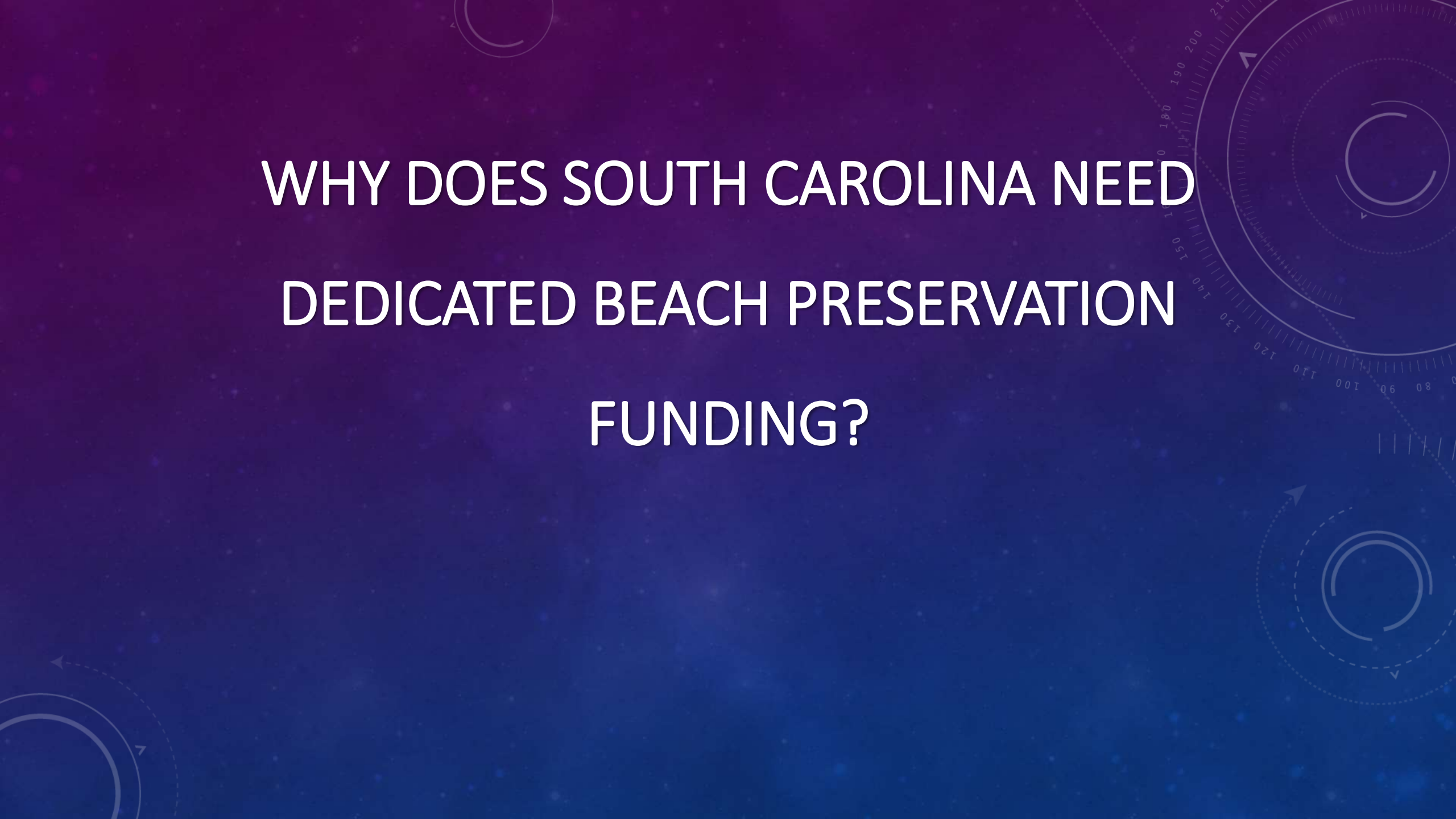
- Celebrate \$30M for Beach Preservation in 2016!
- Become more resilient (and proactive) in the wake of Hurricane Matthew
- Continue to implement science-based policy
 - Recommendations of the Blue Ribbon Committee
- Conduct a Comprehensive Economic Benefit Analysis of SC Beaches
- Legislate a Dedicated Annual State Funding Source for SC Beach Preservation

A COMPREHENSIVE S.C. ECONOMIC BENEFIT ANALYSIS NEEDED TO:

- Demonstrate SC beaches' specific & critical role in supporting the state hospitality industry, the 3rd largest SC private-sector employer.
- Justify state funding for beach preservation by quantifying the economic benefits (e.g. jobs, income, tax revenue).
- Inform decision-makers, community leaders, and the public
- Provide comparable beach economic impact estimates by county, region, and state-wide.
 - 2006 was the last comprehensive SC beach economic benefits study (Clemson University, PRTM)

S.C. BLUE RIBBON COMMITTEE ON SHORELINE MANAGEMENT (2013): RECOMMENDATIONS

- #1: Replace language regarding the policy of retreat with the following: The policy of South Carolina is the **preservation** of its coastal beachfront and beach/dune system.
- #12: **Establish a dedicated funding source** to adequately and reliably fund the Beach Restoration and Improvement Trust Fund and expand the purpose, appropriations, and designation of funds to include additional beach management options.

The background is a dark blue gradient with faint, light blue technical graphics. On the right side, there are several concentric circles and arcs, some with tick marks and numbers (e.g., 100, 110, 120, 130, 140, 150, 180, 190, 200, 210). There are also dashed lines and arrows, suggesting a circular or rotational theme. The overall aesthetic is clean and modern, typical of a professional presentation or report.

WHY DOES SOUTH CAROLINA NEED DEDICATED BEACH PRESERVATION FUNDING?

A STATE DEDICATED BEACH PRESERVATION FUND IS JUSTIFIED

- In general, SC's beaches are a major state economic engine!
- SC beach visitor spending in 2006:
 - Directly & indirectly supported about 39,300 state jobs
 - Total state economic output impact = \$2.4 Billion
 - Includes multiplier effects
- Clemson U. (2006) study touched on funding source options
 - North Carolina beach funding approaches coming up...

ADVANTAGES OF A STATE DEDICATED FUNDING SOURCE

- Adopting a long-term, strategic planning process rather than a reactive political battle for funding each year
- Utilizing appropriate funding sources
- Providing transparency and predictability
- Sending the right message: South Carolina is committed to her beaches!

BEACH PRESERVATION FUNDING IN SOME ATLANTIC STATES

STATE	DEDICATED	STATE FUNDING SOURCE(S)	% STATE COST SHARE	ANNUAL FUNDING
NJ	Yes	Real Estate transfer fee	75%	\$25 M*
FL	Yes	Real Estate transfer fee	50%	\$30 M*
DE	Yes	<u>State</u> tourist tax (1%) + general bonds	100%	\$1.5 M +
NC	No	General Fund (TBD**)	50%**	\$25M**
VA	No	n/a	n/a	\$0

*New Jersey and Florida’s state beach advocacy groups are requesting an increase to \$50M/year.

**North Carolina state legislators requested a study on the economic benefits of NC beaches and funding recommendations.

NORTH CAROLINA BEACH AND INLET MANAGEMENT PLAN UPDATE

DRAFT REPORT | NOVEMBER 2016

- State provided \$750K for 2011 study
 - \$250K for 2016 update
- Forecasting detailed state nourishment needs (vol & \$)
- Annual Need: \$40-50M
- State Share (50%): \$20-25M



Beach Nourishment Needs by BIMP Region and Costs by Project Partner

Community	Managed Shoreline length	Beach fill volume	Total Cost Per decade	Federal Share millions	State Share millions	Local Share millions
REGION 1	31.2	5,641,214	\$54,713,132	\$29.4	\$14.2	\$11.1
Ocean Isle Beach	5.6	459,720	\$4,445,470			
Holden Beach	8.2	1,897,470	\$18,633,120			
Oak Island	9.3	745,730	\$10,820,520			
Caswell Beach	3.6	440,990	\$3,616,150			
Bald Head Island	4.5	2,097,304	\$17,197,872			
REGION 2a	17.3	3,886,729	\$33,022,839	\$18.9	\$8.2	\$5.9
Kure Beach	3.4	381,393	\$5,137,423			
Carolina Beach	2.7	2,428,236	\$19,741,556			
Wrightsville Beach	4.1	895,610	\$6,555,840			
Figure Eight Island	5.1	181,490	\$1,588,020			
REGION 2b	22.3	2,370,627	\$24,655,778	\$11.0	\$6.4	\$7.2
Topsail Beach	5.1	604,070	\$4,911,050			
Surf City	6.1	623,770	\$8,202,570			
North Topsail Beach	11.1	1,142,787	\$11,542,158			
REGION 2c	23.8	3,773,368	\$48,052,803	\$38.4	\$7.2	\$2.5
Emerald Isle	10.3	981,968	\$13,747,573			
Indian Beach / Salter Path	2.6	353,780	\$4,952,970			
Pine Knoll Shores	4.8	545,000	\$7,771,740			
Atlantic Beach (includes Ft. Macon)	6.1	1,892,620	\$21,580,520			
REGION 4b	19.6	2,745,080	\$30,694,980	\$15.3	\$8.0	\$7.4
Nags Head	11.3	1,859,230	\$21,325,380			
Kill Devil Hills	4.8	327,520	\$3,579,760			
Kitty Hawk	3.5	558,330	\$5,789,840			
TOTAL (all regions)	112.2	18,417,018	\$191,139,532	\$113.0	\$44.0	\$34.1
Total per/yr Avg.		1,841,702	\$19,113,953.2	\$11.3	\$4.4	\$3.4

N.C. STATE COASTAL VISITOR SPENDING AND HYPOTHETICAL FUNDING SOURCES (FROM DRAFT NCBIMP 2016)

- In 2015, visitors to NC's 8 coastal counties:
 - Spent **\$3.3 billion (B)**
 - Produced **\$130 million (M)** in state sales tax
 - Supported 48,718 state jobs
- All consumer 2015 spending, 8 coastal counties (possible tax scenarios for the beach fund):
 - \$5.2B in seasonal State taxable sales (0.5%)
 - \$1.5B in estimated taxable food service sales (1%)
 - \$5 B in estimated taxable real estate transfers (\$1/\$500)
 - \$1 B in estimated taxable lodging sales (2% state OT)
 - \$26.4B in estimated non-resident owned taxable property value (0.001 ad valorem millage)

SUMMARY & CONCLUSIONS

- Celebrate \$30M for Beach Preservation in 2016!
- Foster a proactive state beach preservation approach
- Continue to implement science-based policy
 - Recommendations of the Blue Ribbon Committee
- Fund a comprehensive study to estimate the economic benefits specific to SC beaches.
- Legislate a Dedicated Annual State Funding Source for SC Beach Preservation

THANK YOU!

www.scbeaches.org



Like SC Beach Advocates!



exdir@scbeaches.org

