Coastal Voice

THE NEWSLETTER OF THE AMERICAN SHORE & BEACH PRESERVATION ASSOCIATION

— January 2020 —

ASBPA annual report:

2019: A year in review

Save the dates:

- **ASBPA's Coastal Summit: March 24-26, Washington, DC... Registration is open!**
- **ASBPA's National Coastal Conference: Oct. 13-16, Long Beach, CA.**

Welcome to our January issue of "Coastal Voice," which is ASBPA's annual report. It will provide you with an overview of the year from the perspectives of Governance, Leadership, Communication, Committees, Events and Membership and Chapters. As you will see, 2019 was a year of ASBPA looked at the many faces that make up ASPBA. In the back section of this issue, we also have information on more current events as well.

GOVERNANCE

From the president:

The many faces of ASBPA

By TONY PRATT, ASBPA President

As 2019 winds down and I reflect on the past 12 months of ASBPA, what comes to my mind immediately is the people that make up ASBPA. More precisely, I see the faces of so many colleagues and friends. Looking back over the year, it is so often with an eye on the progress and accomplishments that we've made. But this year, as I reflect, it is the ASBPA village that I see. I will not attempt to name names because surely I would leave out someone – and there really are so many great people who make up our organization. I sit here at my keyboard seeing the faces, hearing the voices and recalling the writing of so many people who are great, talented and generous-with-their-time.

ASBPA's top-rate staff imme-

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Faces.....

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diately comes to mind and the vast number of tasks that are required to run this organization; from committee guidance and coordination, Hill advocacy, conference organization and support, board and executive committee organization and support, member support, outreach and media, *Shore and Beach* publication, business management, future visioning, fund raising and on and on. Their work is seemingly endless and they do it with enjoyment and dedication.

Their hard work is complemented by the "volunteer army," those ASBPA members who serve on the board and are the heart and soul of our committees. The work that so many of you do for the betterment of ASBPA is so very deeply appreciated. The rewards for your work are of extreme value to the organization and the reward back to you is in your heart; that warm feeling that comes from knowing that ASBPA, which has added benefits to your life, is far better as a result of your work.

PRATT

To all of you who have given so freely of your time, intelligence, insight and experience THANK YOU!! It is a true joy to work with all of you.

As I stated above, I see so many faces of our community in my mind while I write this. The opportunities we all have to see each other in person, and not merely know each other from conference calls, are our two conferences, the Coastal Summit and the National Coastal Conference. Seeing so many friends in DC and Myrtle Beach this year, as in many past years, is so valuable to me.

There are at least two friendships I have that maintain through ASBPA meetings that are more than 40 years old. Face-to-face conversations with new and old friends at meetings are so valuable and are often with a cup of coffee or a beer in my hand. I find these conversation opportunities to be, for me, the most cherished part of the meetings.

So, as I look back at ASBPA 2019 I see you. I see your hard work. I see your passion for coastal management. I see your willingness to give, and I see your friendship. My sincerest thanks to all of you. And I look forward to working you in 2020. ❖

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* Chapter president
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*** Joined board during 2019

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Leadership
From the Executive Director:

A 2020 vision for our coast

By DEREK BROCKBANK, ASBPA Executive Director

2020 is going be profoundly consequential for the future of U.S. coastlines. Decisions made at the personal, local, regional and federal level in 2020 will determine the fate of our coastlines for centuries to come. Coastal challenges have never been greater and yet continue to amplify with each passing year.

BROCKBANK

Scientific and economic studies continue to paint a direr picture of climate impacts on our coastline. Storms are getting more intense, seas are rising faster and "sunny day" flooding is more frequent than what was predicted just ten years ago. The cost of restoration and adaptation continue to go up, while meaningful action to reduce climate change is neglected at the national and international levels. Nowhere is there enough funding or sediment to maintain every shoreline where it lies today. Which coastlines we raise, restore and maintain, and which will shift and realign to a new reality of higher sea levels will be the fundamental coastal question over the next decade (or more).

To address this this and other questions, ASBPA is looking to set a new clear vision for our coast that weaves together our science, policy and education and outreach efforts.

For the first time ever, we have a theme for the whole year: "2020 vision for our coast." This will be incorporated into our National Coastal Summit, "2020 Vision for our Coast: People, Policy and Practices," *and* our National Coastal Conference, "2020 Vision for our Coast: Shifting Shores, Surf and Sediment." But in more than just our public events, we hope to make 2020 a visionary year.

Our Science & Technology team will continue to assess what coastal practitioners consider the top five coastal management challenges on our coast, and will then advance research, communication and education around those. Our Government Affairs agenda will include advocating for federal funding and policy that are essential to coastal management, but also begin to think about how the federal government may need to fundamentally re-align and re-prioritize to face the growing threats to our coast.

We are also setting a 2020 vision for our coast through our education and outreach. We are developing a Coastal Universities Guide that will help coastal students across the country; we are producing reports and white papers that address how to fund projects and how to management sediment. And we're considering major new initiatives that would bring broader audiences of coastal and beach professionals into ASBPA.

We're thrilled to have you as part of this organization, and look forward to working with you to set a 2020 vision for our coast. ❖

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Governance
From the treasurer:

Expansion in 2019, changes in 2020

By CAMERON PERRY, ASBPA Treasurer

ASBPA experienced another year of growth in 2019, with exceptional conferences and the implementation of grants through our Science Director. These events continue to strengthen our organization and make it even more relevant in industry, academia, and policymaking.

PERRY

The expansion of our organization comes at a cost though, and increasing revenue through conferences and membership will be key to our growth.

The Coastal Summit and National Coastal Conference in Myrtle Beach exceeded expectations both in attendance and sponsorship. Once again, we all owe a big debt of gratitude to our conference chairs and sponsorship committees for delivering such quality events and associated funding. The decision a few years ago to increase the scale of our conferences has paid off and we look forward to continuing that growth.

Our membership has also grown but we can still do more to increase new membership and retain conference memberships. Overseeing the increased strength of these resources is exciting and I know that as we implement several staff changes in 2020, the transition will be set on a solid financial footing.

I want to once again thank all

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Communications
From the Managing Editor:

Continuing the evolution of *Shore & Beach*

By BETH SCIAUDONE, Ph.D., *Shore & Beach* Managing Editor

We advanced the reach of our *Shore & Beach* articles this year by becoming a member of the CrossRef indexing service. This service provides digital object identifiers (DOIs) for each of our articles and enables us to upload the article information and abstract to a searchable database. Each paper now has a permanent DOI, or online home, and can be searched internationally via CrossRef.

SCIAUDONE

Shore & Beach continued to bring updated research findings and case studies to ASBPA members in 2019. We held our 10th photography contest, and the winning photo (printed on the cover of Volume 87, No. 1) was "Fifth Street Beach Access (Kill Devil Hills)," by Kathleen Wolthuis. The photograph was taken after the summer 2017 beach replenishment project and is a beautiful black-and-white view of dune fencing and accumulated sand patterns. Papers in this issue focused on funding beach nourishment, effects of Hurricane Maria on Puerto Rico's beaches, and an innovative radar system to track sediment movement at tidal inlets. Also included was a white paper from ASBPA's Science & Technology Committee, "Advancing the understanding of storm processes and impacts," which reported the findings of the workshop of the same name. Finally, this issue included a tribute to the life of Walter Munk, renowned oceanographer and great contributor to our understanding of ocean waves.

Volume 87, No. 2, had a number of papers focused on management of coasts, including an examination of California's coastal development and its potential future, the fate of beach nourishment sand on Florida's east coast, prediction of storm water levels in Delaware's inland bays, and a new tool to explore management options for coastal dunes. Two coastal observations focused on the North Carolina Outer Banks, showing effects of long-term erosion and storms. To conclude the issue, a coastal forum piece by one of the National Coastal Conference chairs drew attention to the link between rivers and coasts, the focus of this year's conference.

Our next issue of the year (Volume 87, No. 3) included a comprehensive review of the history of shore protection and beach nourishment in Myrtle Beach, site of the 2019 National Coastal Conference. This insightful piece is a must-read for those interested in the evolution of coastal management along the southeast U.S. coastline. Another paper with a historical flavor was a retrospective of the 1970s low-cost shore protection program. While many of the methods studied as a part of this program didn't work as expected, the insights gained from the program are still relevant today as engineers and scientists move toward incorporating nature-based features into

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Leadership
From the Managing Directors:

New faces, new efforts making a difference

By KATE GOODERHAM, ASBPA Managing Director

Just looking through the myriad articles in this annual report, it is clear that ASBPA has many faces. But they aren't just another pretty face. They are people who want to work to make a difference. This year was the inaugural year for the Best Restored Shores program. That new, successful program was borne out of ASBPA's broadened mission AND the hard work of Shannon Cunniff and Peter Seidle. They exemplify the ongoing work by hundreds of members to make a difference.

GOODERHAM

We see new faces and new ideas at both the National Coastal Conference and the Coastal Summit. We also see it through our chapters who keep us grounded and creative. The National Coastal Conference is a great example of outreach. In 2019 we went to Myrtle Beach, South Carolina, for the first time in our 93-year history. We were welcomed with open arms.

Our continuing emphasis on students and new professionals has been a great asset. They are getting to interact with the folks that wrote the books, and the folks that wrote the books are equally excited by their enthusiasm and research.

ASBPA used to be primarily a men's organization. That has changed.

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Shore & Beach.....

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coastal protection schemes. Another paper investigated the link between urban runoff and coastal erosion along a heavily developed coast. The always-busy ASBPA Science and Technology Committee published a white paper in this issue on "The state of understanding of the effects of beach nourishment activities on coastal biogeochemical processes and conditions."

Our final issue of the year, Volume 87, No. 4, was dedicated to findings from the 2017 & 2018 hurricane seasons. Guest edited by Tiffany Roberts Briggs and Lindino Benedet, the issue is a compilation of studies on storms during the last few years, collected to improve our understanding and knowledge of storms in an effort to keep our coasts and coastal communities healthy, safe, and resilient. Two papers focused on in situ measurements during extreme storm events in Bethany Beach, Delaware, and Dauphin Island, Alabama. Hurricane Michael was the focus of two other papers, in one, remote sensing techniques were employed to assess impacts in Mexico Beach, Florida, and in the other a storm erosion index was used to explore spatial variations in impacts at seven distinct regions within the Florida Panhandle. A coastal observations piece discussed the use of emergency- and quick-response data products for hurricane impact assessments across the 2017 and 2018 storm seasons. The final article addressed what to do about these impacts and focused on enhancing resilience using natural infrastructure.

Many thanks to our peer reviewers, an invaluable part of the publication process. We appreciate all you and all of our contributors do to make *Shore & Beach* a continued success. Thank you all for your support, and remember that we always welcome your contributions — manuscripts, opinion pieces, letters and photographs! ❖

Shore & Beach

2018 Photo Contest Winners

- Grand Prize and U.S. East Coast winner – Fifth Street Beach Access (Kill Devil Hills) by Kathleen Wolthuis
- U.S. Pacific Coast and Alaska Winner – Ocean Beach San Diego by Josh Utley
- U.S. Great Lakes – Sodus Bay, NY by Sondra Lucianovic
- Pacific (Hawaiian Islands, Guam, etc.) – Baby Beach Sunset, Hawaii by Particia Cadiz
- Caribbean – Manati, Puerto Rico by Kevian August Pérez Valentin
- U.S. Gulf of Mexico Coast – Dog Island, Florida by Ralph Clark

2019 S&B authors

■ Volume 87, No. 1:
Maritza Barreto-Orta • Matt W. Bilskie • Brandon Boyd • Nahir Cabrera • Bianca Charbonneau • Mary Cialone • Dan Cox • Elizabeth Díaz • Casey Dietrich • Kendra Dresback • Chris Dumas • Steve Elgar • Nicole Elko • Katie Finegan • Josh Humberston • Amanda Lewis • Patrick Limber • Joe Long • Chris Massey • Talea Mayo • Kathryn McIntosh • Jesse McNinch • Rafael Méndez-Tejeda • Norberto Nadal-Caraballo • Kevián Pérez • Britt Raubenheimer • Ernesto Rodríguez • Hilary Stockdon • Tori Tomiczek • Anna Wargula • Greg Williams

■ Volume 87, No. 2:
Nicholas Cohn • Shannon E. Cunniff • Sierd de Vries • Orencio Durán Vinent • Kathleen Fallon • Evan Goldstein • Gary Griggs • Sally Hacker • Bas Hoonhout • James R. Houston • Nobuhisa Kobayashi • Laura Moore • Kiki Patsch • Peter Ruggiero • Elizabeth J. Sciaudone • Michele Strazzella • Danielle Swallow • Liliana Velasquez-Montoya • Amy Williams • Tingting Zhu

■ Volume 87, No. 3:
Patrick Barrineau • Nicole Elko • Angelos Hannides • Kenneth Humiston • Haiqing Liu Kaczkowski • Timothy W. Kana • Joan Pope

■ Volume 87, No. 4:
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- Production Manager: Ken Gooderham

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COMMUNICATIONS
From the Webmaster:

Website use is up!

By BETH SCIAUDONE, Ph.D., ASBPA Webmaster

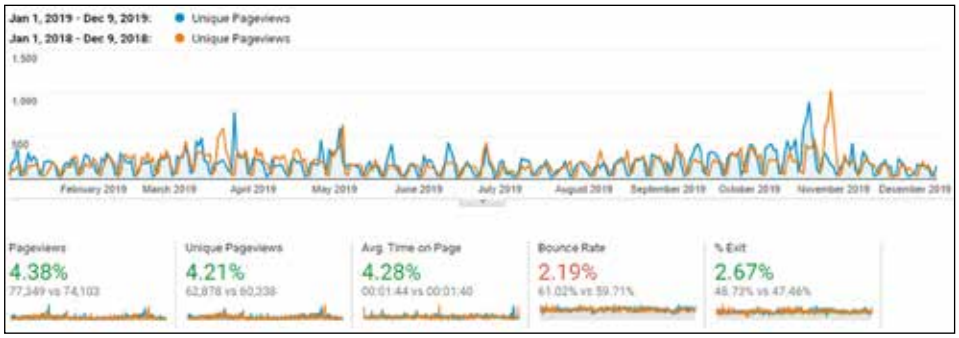
In 2019, use of the ASBPA website continued to increase, by approximately 4% over 2018 when measured by pageviews (77,349 in 2019 and 74,103 in 2018). The most viewed page was the conference page with 15,076 pageviews in 2019 to date, comprising nearly 20% of the pageviews of the entire site. The next most popular page was the home page (12,559 pageviews), followed by the *Shore & Beach* page (3,184 pageviews, down slightly from 2018, likely because of the available direct link to the 2019 issues) and the 2019 digital issues page which has marked 2,458 pageviews to date.

SCIAUDONE

The most popular post of the year was the call for abstracts for the 2019 conference with 1,340 pageviews. The announcements of the winners of the Best Restored Shores (445 pageviews) and Best Restored Beaches (440 pageviews) were the next most popular posts. Website usage peaks around the times of the Coastal Summit, the May abstract deadline for the National Coastal Conference, and the National Coastal Conference, with the peak daily usage occurring on Wednesday, Oct. 23 (the first day of the conference), with 1,078 page views. Weekends tend to see very little site traffic (the dips in the above plot).

The electronic newsletters are posted monthly and other news, legislative updates, and conference information are posted as they are available. Every time a new issue of the journal *Shore & Beach* is published, the digital edition is added and the table of contents, abstracts, and landing pages for each article are created. The table of contents and abstracts are posted publicly, with access to the full text articles restricted to members only. We maintain a searchable online table of all contents of *Shore & Beach* with keywords, which is an excellent resource for finding references.

Updated information on our Coastal Summit and fall conference is constantly updated on our website, and sponsor links/logos for both events continue to be featured. A virtual Summit and virtual conference including most presentations are made available to attendees following each event. ❖



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COMMUNICATIONS
From social media:

Continuing to grow our reach

By DEREK BROCKBANK, ASBPA Executive Director

ASBPA continues to maintain and regularly post on Twitter, Facebook and LinkedIn. We hope you can join us on whichever platforms you participate in.

Twitter — Under the handle @ASBPA, we post daily with coastal news and ASBPA information. We occasionally live-tweet from beach and coastal resilience events. In 2019, our tweets generated 244,000 impressions with an average engagement rate of 1.1%. We have 1,266 followers, up from 1,092 last year. The conference hashtag #ASBPA2019 was tweeted over 50 times, generating hundreds of thousands of impressions. We have been retweeted and mentioned by Members, congressional staff and federal agencies.

Facebook — At www.facebook.com/AmericanBeaches we post a couple times a week on timely coastal issues and ASBPA information and news. We have 1195 followers up from 985 last year. Our most popular post was a reminder a teaser for the 2019 National Coastal Conference, announcing Jane Smith as a keynote speaker, followed by two posts on the winners of our new Best Restored Shore award winners.

Linked In — At https://www.linkedin.com/company/american-shore-&- beach-preservation-association we post a couple times a month on topics directly connected to ASBPA — our actions, our conference, our awards etc. Our posts made about 20,000 impressions and we have 402 followers, up from 268 last year. ❖

COMMITTEES
Science & Technology:

Addressing coastal challenges

By NICOLE ELKO, Ph.D., Science Director, TIFFANY ROBERTS BRIGGS, Ph.D., Science & Technology (S&T) Committee co-chair, and DAWN YORK, S&T Committee co-chair

ASBPA Science Director: 2019 was the second year that the organization had a Science Director, responsible for expanding our science advocacy and coordination with federal agencies and the academic community. In addition to duties categorized as Administration, Outreach, Conferences, Strategic, and Development, the Science Director obtained two external contracts to allow continued engagement and leadership of the U.S. Coastal Research Program (USCRP) and a strategic evaluation of coastal practitioners' greatest management challenges and needs.

2. **The Nation's Top 5 Coastal Management Challenges**: At the 2019 Coastal Conference, ASBPA S&T expanded upon the initial 2018 effort with funding from the USGS toward a strategic evaluation of coastal management challenges (mentioned in #1).

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The effort will address objectives of the ASBPA, the USGS, and the USCRP. The goal of this effort is to socialize these challenges to inform applied coastal research investments and to publish white papers and easy-to-understand products describing each by 2022.

Next steps include: 1) An initial 8-minute survey (http://asbpa.org/us-coastal-research/survey/) is open for four months (until after the ASBPA Coastal Summit) to identify and connect with coastal managers to prioritize challenges, 2) a more detailed survey will open in June 2020 to evaluate the effectiveness of ASBPA, USGS, and USCRP products and tools, and 3) the list of the top five (current) challenges will be published with an initial white paper describing the top coastal management challenge along with easy-to-understand products (fact sheet video, podcast, etc.) available online.

3. **Information and Guidance on**

■ **Continued on next page**

LEADERSHIP
From the Science Director:

A growing role for science

By NICOLE ELKO, Ph.D., ASBPA Science Director

It has been a pleasure serving my second year as ASBPA's Science Director. I am so proud of how our organization has evolved in recent years — the growth in this position is one testament to that. The Science Director's internal functions generally include overseeing the scientific and technical programs and planning for the organization, as well as working with the Executive Director on vision and strategic direction for the organization (for which science is the foundation).

ELKO

The 2019 accomplishments included obtaining two grants to support the organization's work. Both are a result of my work with the U.S. Coastal Research Program (USCRP). The first is an effort to assess stakeholders' greatest coastal management challenges, and the second allows me to continue to serve as a co-Executive Director for USCRP.

At the end of the year, the Students and Young Professionals committee began formulating the ASBPA Coastal Universities guide, which I am also very excited to be co-leading. We will be reaching out to our academic partners to populate the tool in the first months of 2020 with a planned roll out by the ASBPA Summit. ❖

Science.....

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Specific Coastal Management Challenges:

a. **ASBPA's National Beach Nourishment Database**: This online tool provides a broadly-sourced national overview of the history of beach nourishment in the U.S. 511 projects have placed >1.6 billion cubic yards of sand on US beaches since the 1920's. The geodatabase, developed in partnership with the USACE Regional Sediment Management (RSM) Program, CPE, and APTIM, includes federal projects, beneficial placement of navigation sediment, and state/local/private beach nourishment projects. It maps the volume of sand, cost, and length of shoreline restored.

In 2019, we developed advanced capabilities for the tool to allow ASBPA users to edit nourishment data online. S&T leveraged a network of networks that highlights ASBPA's excellent national reach into specific practitioner communities. Committee members were assigned regions corresponding to their area of experience. Each of these "regional managers" was asked to reach out to up to five other coastal managers within their region, and so on. This strategy has developed a national network of coastal professionals who are called upon once each year to update the database with recent nourishment data.

Next step includes: A 2020 update (kicks off in April) to verify existing data, identify missing and new projects, and promote use of database.

b. **White Papers for Public Outreach**: ASBPA has published at least one White Paper per year for the past five years. The intended audience for these papers is non-technical coastal professionals and stakeholders. The 2019 papers include "Beach Nourishment Activities on Coastal Biogeochemical Processes and Conditions" (August 2019) and "Existing Conservation Measures and Recommended BMPs for Regional Sediment Management in Coastal Inlets" (forthcoming).

Next steps include: 2020 White Paper on ASBPA National Beach Nourishment Database.

4. **U.S. Coastal Research Program (USCRP):** ASBPA's Science Director serves as a co-Executive Director of the USCRP, a collaboration of federal agencies, academics, and stakeholders that aims to build a community of practice, identify research priorities and fundamental knowledge gaps for addressing societally-relevant coastal challenges, foster collaborative opportunities, enhance funding for academics and students), and promote science translation to users. USCRP Leadership is pictured above (left to right): Mary Cialone, USACE ERDC & USCRP Managing Director; Nicole Elko, ASBPA & USCRP Co-Executive Director; Hilary Stockdon, USGS & USCRP Co-Executive Director; Britt Raubenheimer (and Hugger), WHOI, Academic Team Chair; LeighAnn Brandt, BOEM, Federal Team; Julie Rosati, USACE ERDC & USCRP Co-Executive Director. To date, USCRP has hosted five workshops and awarded $6.3 million for 37 academic studies.

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Oue 2019 Accomplishments: 1) 344 members joined; 2) 2019 DUNEX (During Nearshore Event eXperiment) pilot, large-scale multi-agency field experiment in the Outer Banks of N.C.; 3) Organizational structure implemented; and 4) $5 million in academic funding awarded in 2019. ❖

COMMITTEES
Government Affairs:

Coastal issues flying under the radar

By DEREK BROCKBANK, ASBPA Executive Director

In a year that started with the longest government shutdown in U.S. history and is ending with impeachment proceedings, the lack of major federal policy initiatives is not surprising. However, coastal issues have mostly flown under the radar: Federal agencies continue to do their work and congressional committees are planning for legislation that will have bipartisan support when/if allowed to come up for a "clean" vote. ASBPA's Government Affairs work in 2019 did not have many legislative or policy outcomes, but built support for our coastal vision, which we expect will lead to measurable policy results in the future – hopefully as soon as 2020!

Government Affairs needs help from you with our working groups. We have working groups within Gov't Affairs Committee working on issues including engaging with industry, Corps of Engineers and other Federal agencies, as well as a working group looking at water quality issues. Your involvement will better our organization and its accomplishments

WRDA — In 2019, ASBPA had the great privilege and honor of being asked to testify at the opening hearings on the Water Resources Development Act for both the House of Representative (Transportation & Infrastructure [T&I] Committee in July) and the Senate (Environment & Public Works [EPW] Committee in September). ASBPA presented written and oral testimony that spoke about the principles of Regional Sediment Management (RSM) and the need to value sediment as a resource and expand the beneficial use of dredged material (BUDM).

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We also spoke on the need to reform U.S. Army Corps of Engineers (USACE) benefit cost ratio (BCR) calculation to include the full range of benefits provided by coastal storm damage risk reduction projects. We believe these reforms will improve and increase the use of "natural infrastructure" — beaches, dunes and wetlands — as flood risk reduction along the coast. The value of presenting at a hearing is getting your message directly in front of Members of Congress, but also in establishing organizational credibility on particular issues. Following the hearings, we have been approached by numerous congressional offices to provide our input on sediment management and BUDM policies that they are considering.

USACE — Implementing Disaster Supplemental — In 2019, Congress passed a disaster supplemental appropriations bill to address (among other things) 2018 hurricanes Michael and Florence; this was the third year in a row with major funding for coastal projects coming in a disaster supplemental. Many of ASBPA's priorities — from a South Atlantic Coastal Study to shore protection construction and investigation — are being funded through supplementals, so we are engaging with USACE on how the funds get spent, and suggesting ways that USACE can be more efficient and effective.

One way we're doing this is by

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COMMITTEES
Technical Advisory Committee:

Providing an advisory voice

By JULIE ROSATI, Ph.D., Technical Advisory Committee co-chair

The ASBPA Technical Advisory Committee (TAC) was established in ASBPA's bylaws, Article 8, Section 3, to facilitate communication and collaboration between ASBPA and the federal and academic science communities; and to provide a respected, independent scientific voice to provide recommendations to ASBPA's science, policy and education initiatives. The members are some of the most distinguished coastal scientists and engineers in government and academia.

TAC members do not speak for ASBPA, but serve as an advisory voice that helps ensure ASBPA's science and policy work is meeting the highest and best technical standards. The committee includes four academics and four agency scientists, as well as two co-chairs with oversight provided by the Science Director. In 2019, the TAC made recommendations to ASBPA that focused on four goals: Educate the next generation, Engage users, Foster communities of practice, and support the U.S. Coastal Research Program.

Members rotate every two years. Co-leads on the TAC are Dr. Nina Stark, Virginia Tech, and Dr. Julie Rosati, USACE; the TAC is staffed by Dr. Nicole Elko, ASBPA Science Director; membership is coastal leads from BOEM, FEMA, OSU, USACE, USGS, USNA, and WHOI. ❖

Radar

■ Continued from page 9

providing USACE input on how to better work with and contract private coastal planning, engineering and design firms. We have met with Jacksonville district and South Atlantic division staff, and developed a survey of coastal firms that can provide input to USACE on better ways to contract and inform firms of upcoming opportunities.

CBRA — One significant victory this year was securing a new interpretation of a section of the Coastal Barrier Resources Act (CBRA) that will allow projects not in the CBRA-zone to use federal funds to access sand in CBRA-marked areas. This had previously not been allowed and impacted federal USACE projects and projects that use FEMA disaster funds to rebuild after a storm.

About a half-dozen federal beach projects on the East and Gulf coasts (and potentially more in the near future) were made more expensive because they had to go offshore for sand rather than to nearby sources, or were left unrestored, negatively impacting community resilience and habitat. ASBPA was the only NGO speaking out against this, and have been at odds with a couple conservation organizations we normally align with. We were thrilled by a ruling by the Secretary of Interior that the 1995 guidance that caused this was no longer applicable.

Federal funding — Appropriations in 2019 were a mixed bag. For FY19, Army Corps of Engineers funding passed on time, and so was unaffected by the January government shutdown. However, the shutdown had significant impact to coastal management and research by stopping work at numerous coastal agencies, and delaying projects that were waiting on permits. However, once a budget deal was agreed to, many coastal programs did see slight increases in funding.

For FY20 federal funds, the House moved forward with appropriations bills that saw many coastal programs increase in funding, while a few programs that had received funding in the 2019 disaster supplemental received decreases. Unfortunately, Congress couldn't agree to a budget deal on time, and so the FY20 budget has operated on a series of continuing resolutions since the start of the fiscal year in October.

As of this writing, no final budget agreement had been worked out — but we are optimistic that it will by the time you read this! ❖

ASBPA members

Associations:
• Florida Shore & Beach Preservation Association
• HR Wallingford
• North Carolina Beach, Inlet and Waterway Association
• Ocean Village Property Owners Association
• Waikiki Beach Special Improvement District Association

Coastal Steward:
• APTIM
• GZA GeoEnvironmental

Corporate:
• Applied Technology & Management
• Coastal Science & Engineering Inc.
• Coastal Engineering Consultants Inc.
• Creative Pultrusion
• Crowder Gulf
• Dredging Contractors of America
• EA Engineering
• Earth Balance
• EcoPlage
• Environmental Science Associates
• Freese & Nichols
• G.E.C. Inc.
• Gahagan & Bryant Associates
• Great Lakes Dredge & Dock Co.
• HDR Engineering
• J.F. Brennan Co. Inc.
• LJA Engineering
• Lloyd Engineering
• Manson Construction Inc.
• Moffatt & Nichol
• Neel-Schaffer
• Olsen Associates Inc.
• Ramboli
• San Luis Resort
• T. Baker Smith
• TetraTech
• Thompson Engineering
• TradeWinds Island Grand Resort
• Weeks Marine

Government:
Alabama:
• Dauphin Island
• Gulf Shores
• Orange Beach
California:
• BEACON
• California State Parks
• Los Angeles County
• Orange County
• Port San Luis Harbor district
• Ventura County
Delaware:
• Bethany Beach
• Bowers
• Dept. of Natural Resources & Environmental Control
• Henlopen Acres
• Rehobeth Beach
Florida:
• Brevard County
• Captiva Erosion Prevention District
• Delray Beach
• Lee County
• Miami Beach
• Panama City
• Pinellas County
• St. Augustine Beach
• St. Lucie County
• St. Pete Beach
Hawaii:
• Dept. of Land & Natural Resources
Maryland:
• Ocean City
Michigan:
• Office of the Great Lakes
New York:
• Westhampton Dunes
North Carolina:
• Bald Head Island
• Carolina Beach
• Carteret County

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Committees
Best Restored Beaches:

Celebrating summer with sand and surf

By LEE WEISHAR, Ph.D.,
Best Restored Beaches
Committee co-chair

I like to say I have the best job in the whole world. Who gets to travel to beaches all over the world with the goal of observing them, measuring them, potentially increasing their resiliency and, even better, I get paid to make the trip. I find it truly gratifying to see families on the beach clustered around their beach towels while their children squeal with glee as they romp in the surf or build sand castles on the inter tidal beach. Often, they have no idea how much time, money, and effort went into nourishing the beach so they can enjoy their summer vacation. That is what gives me such great pleasure in being chairman of the Best Restored Beaches contest.

This year my co-chair Peter Seidle and I realized that America's beaches are synonymous with celebrating summer. We had the pleasure of helping five beach communities have a little extra celebration this year because they submitted a contest application and were selected as one of the 2019 Best Restored Beaches in the country. This year's competition was fierce, because we had a lot of very good applications. Unfortunately, we cannot present everyone an award that submitted an application. The following is a brief synopsis of this year's five winners.

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Caminada Headland, Louisiana

The Caminada Headland Beach and Dune Restoration project is an example of the coastal restoration efforts after the Deepwater Horizon oil spill in the Gulf of Mexico. This project was selected as the largest coastal restoration effort constructed in Louisiana, restoring 13 miles of shoreline at a cost of $216 million. Planning and design of this project had just begun when the Deepwater Horizon disaster occurred,

■ Continued on next page

Caminada Headland, Louisiana

Members.....

■ Continued from page 10

• Duck
• Nags Head
• Oak Island
• Ocean Isle Beach
• Surf City
• Topsail Beach

South Carolina:
• Hilton Head Island
• North Myrtle Beach

Texas:
• Brazoria County
• Corpus Christi
• Galveston Park Board of Trustees
• Jamaica Beach
• Port Aransas
• South Padre Island

Virginia:
• Virginia Beach

Individual Corporate:
• Barrier Beach Preservation Association
• Figure Eight Beach Homeowners Association
• First Coastal
• Isle of Palms
• Jersey Shore Partnership
• Sand n Sea Properties
• Seahaven Consulting

In Memorium: U.S. Rep. Walter B. Jones ❖

Difference.....

■ Continued from page 4

This year at the National Coastal Conference, the two keynote speakers were women. When I first started in this business the women's restroom was a solitary place. Now we see that diversity expands and organization.

But, we also have to remember the things we have done well that we continue to do well: Science & Technology, Government Affairs, conferences, Best Restored Beaches, *Shore & Beach* journal, "Coastal Voice" e-newsletter, the social media, the website. We're sure we're forgetting someone.

Finally, I want to thank all those who have come before for giving us the foundation for our work today. ❖

Beaches.....

■ Continued from page 11

the essential cleanup efforts delayed critical surveys required to construct the project.

A tropical storm and a hurricane battered the Headland just prior to beach construction. Two other concurrent restoration projects on the Headland necessitated extensive coordination during beach construction. The project restored more than 1,050 acres of beach and dune habitats by placing more than 8.8 million cubic yards of sand on the beach from the Ship Shoal Borrow Area located more than 32 nautical miles from the project.

Innovative measures such as robust monitoring and abatement tactics to reduce impacts were implemented to protect beach-nesting and migratory bird populations. Nearly 200 sea turtles were successfully relocated from the borrow area to adjacent foraging grounds, further demonstrating how beach restoration construction and sea turtle can co-exist while creating an improved environment. Additionally, more than 195,000 native plants and nearly 72,500 linear feet of sand fencing were installed to promote dune building and the conservation of sand on the island.

South Padre Island, Texas

The City of South Padre Island sits at the southern end of a unique Texas barrier island. This densely developed tourist destination coexists with some of the most pristine beaches on the Texas shoreline. The South Padre Island Beneficial Use of Dredged Material (BUDM) project was selected thanks to the innovative methods used to make it possible. The beach nourishment project constructed a nearshore berm and implemented a sand tracing study.

The sand tracer study demonstrated that sand from the nearshore berm was transported onto the beach. The study involved a team of multiple federal, state, NGOs, academic and local municipal entities which were assembled in less than six months. The city has been conducting beach restoration activities for more than 30 years, including its long successful tradition of using this dredged sand material. This allows the city to remain a popular tourist destination while it continues to enhance the island's dune and beach system.

South Padre Island, Texas

These efforts have helped stabilize the island, protecting the homes and business that lie west of the beach. The City of South Padre Island does not have a seawall, so it relies entirely on natural shoreline protection. The BUDM project widened a portion of the city's beach, yielding a higher quality public beach within the project area, increasing beach access, improving economic activity and associated tax revenues, reducing the cost of post-storm response, lessening infrastructure maintenance and relocations costs; enhancing habitat value in the healthy beach/dune system, and reducing future erosion response costs. Furthermore, widening the beach in front of private property protects those structures and residents by decreasing damage caused by storm events and their wave action, thus reducing insurance losses.

Waypoint Park, Washington

Bellingham's Waypoint Park, named for the iconic industrial art installation (also known as the Acid Ball from the old GP paper mill) located in the new park, provides an opportunity for the entire community to enjoy otherwise limited access to the waterfront along this newly created beach. This park provides treasured waterfront access, uncommon in Bellingham's urban waterfront, at a former brownfield site.

■ Continued on next page

Waypoint Park Beach, Washington

Beaches.....

■ Continued from page 12

The restored beach is highlighted in contrast to the reminders of the community's industrial past that make this park unique.

The beach adds a natural element to the once fully armored and sand-starved shorelines along Whatcom Waterway which runs through the heart of the Bellingham. Significant investment has focused on improving and enhancing resiliency and the wetlands habitat along the estuary's edge. Additionally, the project design accounted for projected sea level rise and provided improved storm damage protection through its higher elevations along width of the beach, the stabilizing rock groin, placed logs, vegetation, and a gently sloping beach.

The entire ecological community benefits from this project, which included isolating the underlying low-level contaminated soils, added cobble and beach sediment for forage fish spawning and native plantings to create habitat and improve aesthetics. The beach is used as a kayak launch site, which will soon be augmented by a restaurant, public market, and small boat rental facility in the adjacent refurbished 1930s Granary Building. The park incorporates non-motorized access for bikers and pedestrians, as well as paths compliant with the Americans with Disabilities Act, allowing the entire community to enjoy the waterfront.

Duval County, Florida

The Duval County Shore Protection Project encompasses some of the most beautiful beaches along the U.S. eastern seaboard, attracting millions of tourists to visit Hanna Park, Atlantic Beach, Neptune Beach and Jacksonville Beach. It is unprecedented for a project team to complete back-to-back major sand re-nourishments on more than eight miles of shoreline after two major hurricanes (Matthew in 2016 and Irma in 2017) all the while restoring critical sea turtle and bird nesting habitat, and completing the work with very minor cost increases.

Duval County, Florida

This project exemplified how to execute and succeed in the face of compounding challenges associated with the magnitude of impacts from consecutive major hurricanes and navigating federal, state, and local procedural and procurement environments. Multiple stakeholders including the U.S. Army Corps of Engineers, City of Jacksonville, Olsen & Associates, beach communities and residents all worked to overcome obstacles. State and federal agencies worked tirelessly to accelerate the normal permit timeframes, making this project a model for other communities. Hurricane Matthew caused a loss of about 680,000 cubic yards of sand from the beach.

The stakeholders' emergency preparedness and response restored the beach to pre-storm conditions in record time. This reduced the impacts resulting from Hurricane Irma, which caused a loss of roughly 660,000 cubic yards of sand. The Corps of Engineers was able to take advantage of existing beach construction contracts to cost-effectively repair the shoreline after the impacts of Hurricane Matthew, and again following Hurricane Irma. The project team showed dedication, hard work and commitment in achieving unprecedented project goals and schedules. ❖

Treasurer.....

■ Continued from page 3

of you for being a part of the ASBPA. Your active participation is key to helping us grow and being a larger part of the coastal conversation. I look forward to seeing everyone in Washington in March at the Coastal Summit. Advocating for our shores, beaches, and coastal environment will be critical with the ongoing changes in administration and congressional policies. ❖

COMMITTEES

Best Restored Shores:

A new facet of coastal restoration

By SHANNON CUNNIFF and PETER SEIDLE, Best Restored Shores Committee co-chairs

Reflecting a new facet of ASBPA, we launched the Best Restored Shores (BRS) Award to recognize shoreline restoration projects and the professionals that make them successful. Our call for nominations resulted in a number of submissions with a breadth projects. Not bad for the first time for a new award! The competition was considerable.

Our BRS selection committee — Shannon Cunniff, Peter Seidle, Jon Miller, Lauren Floyd, Brett Webb, Lee Weishar and Amy Williams— identified four especially noteworthy pro-jects based on criteria reflective of the nomination criteria: partnership, innovative funding, challenges overcome, and evidence of success. Announcements of the winners in September generated media coverage for the projects and for ASBPA. Winners received recognition at the ASBPA National Conference in Myrtle Beach.

Virginia Point Wetland Protection Project

ASBPA created this new award to recognize the growing diversity of projects that preserve, protect, and enhance our coastlines. This move reflects ASBPA's increasingly diverse membership — academics and professionals, coastal managers and practitioners and others wishing to address

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current and emerging issues that threaten coastal communities and their quality of life.

Given the success of the 2019 Best Restored Shores Award, ASBPA aims to continue the award in 2020. So if you've been engaged with or know of a great project that involved restoring back bays, wetlands, mangroves, and/or reef habitats, you'll have another shot at getting some well-deserved recognition. We expect the schedule to be similar to that used in 2019 with nominations due in early July. Keep an eye out for the next call for nominations in "Coastal Voice" and on the ASBPA website. If you are interested in helping the committee review projects, please contact Shannon and Peter.

The following is a brief synopsis of the 2019 inaugural winners:

Virginia Point, Texas

In less than two years following construction, the **Virginia Point Wetland Protection Project, Texas,** provided multiple benefits for Texas tallgrass coastal prairie, a rapidly disappearing habitat that supports a vast number of wildlife and marine life, including birds, crabs, shrimp and oysters. Its undulating breakwater maintains the characteristic beauty of the site while stabilizing the shoreline and trapping sediment to support expansion of wetlands.

Funded by the National Fish and Wildlife Foundation's Gulf Environmental Benefit Fund, U.S. Department of the Interior's Coastal Impact Assistance Program, and the Texas General Land Office's Coastal Erosion Planning and Response Act Program, the project represents a successful partnership between SCENIC GALVESTON (an environmental nonprofit), the General Land Office, AECOM (a global engineering consultant with a Houston-based design and construction oversight team), and Apollo (a Texas-based construction contractor).

Mississippi River project

The **Mississippi River Long Distance Sediment Pipeline, Louisiana**, project implemented by Moffatt & Nichol for the Coastal Protection and Restoration Authority, reinforced the Bayou Dupont shoreline with earthen ridges and intertidal mudflats to restore the area's hydrology and waterfowl, fisheries, and other wildlife habitats. These re-created historic features also act as natural buffers from tides and storm surge for residents of flood prone areas in the Barataria basin, near New Orleans.

■ **Continued on next page**

Mississippi River Long Distance Sediment Pipeline project

Shores.....

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The sophisticated modeling, design, and construction of this project demonstrated the viability of a new sediment delivery approach that advanced large-scale wetland restoration utilizing a renewable sediment source from the Mississippi River. Through the design of the sediment pipeline corridor, what originally started off as an approximately a 400-acre marsh creation project, created the foundation for creating nearly 1,100 acres of marsh habitat along the critically degraded upper Barataria Land Bridge.

Money Point Shoreline Restoration

Money Point, Virginia

The **Money Point Shoreline Restoration, Virginia**, is the nation's first large-scale sediment remediation project completed by a not-for-profit — the Elizabeth River Project — and included the first known living cap design to isolate contaminated sediments and provide critical wetland and oyster habitat. The Elizabeth River Project built trust with the industrial landowners who supported the project and worked with the federal and state agencies to assure the project would function as designed.

The results: A lush marsh with a resident otter family, cancer in the mummichog fish has dropped to background levels, over 26 species of fish feed from the marsh, oysters are growing on the reef and wetland sill structure, and a significant upland buffer is flourishing into a forest. Money Point demonstrates that restoration projects function best when the entirety of an ecological continuum is nursed back to life.

Misspillion Project, Delaware

The **Mispillion Living Shoreline Project, Delaware**, has provided valuable information on the effectiveness of living shorelines not only to meet goals related to shoreline stabilization but objectives associated with shellfish-mediated water quality improvements. Five years of robust project monitoring by the Partnership for the Delaware Estuary (PDE) yielded valuable information regarding how quickly living shorelines can produce clean water benefits, which can be vital information for agencies that regulate water quality. The project demonstrates the advantage of this new approach for shoreline designers, builders, and the public.

At the Mispillion site, the project team assessed water filtration and nutrient removal by oysters and ribbed mussels as the animals colonized and grew on the installed materials. The work that PDE performed in collaboration with partners at the Delaware Department of Natural Resources and Environmental Control, as well as the DuPont Nature Center at Mispillion Harbor, highlights the value of robust monitoring efforts. Due to the success of the original project installed between 2014 and 2016, a secondary effort to expand the living shoreline began in 2018, and PDE is pursuing additional funding to sustain the monitoring into at least 2022. ❖

Mispillion Living Shoreline Project

CHAPTER REPORTS

Central East Coast Chapter:
New ideas ahead

By MAURA BOSWELL, president

The CEC Chapter held a successful workshop in Norfolk, VA on May 10, 2019, in conjunction with the Hampton Roads Sea Level Rise Forum with the topic, "Resilient Shorelines for Multiple Benefits." In the meeting following the workshop, several new ideas for the future of the chapter were discussed and additional input was solicited from the entire chapter during a membership survey this fall. We've had a significant increase in members becoming involved with our chapter and we are looking forward to rolling out some exciting new changes in 2020.

Hawai'i Chapter:
Fostering dialogue

By DOLAN EVERSOLE, president

The Hawai'i Shore and Beach Preservation Association, (HSBPA) continues to bring together various members of the coastal community to foster dialogue and cooperation on beach and coastal resource conservation, management, and policy. We are embarking on our sixth year as a chapter and excited to see our membership continue to grow and our Board diversity and experience grow with it.

In 2020, we have a new Executive Committee and two new board members we welcome to the board. We are very excited to welcome a new President (Andy Wycklendt) who has been serving on the Hawai'i Board for several years and brings decades of coastal engineering and management experience. Past President Dolan Eversole (2017-19) will continue to serve

on the board, along with the founding President Chris Conger (2013-16).

The Hawai'i chapter taps into the considerable depth of experience within our Board of Directors and membership to provide key review and feedback on coastal projects and legislation. In fact, this may be our chapter's primary role as a unique technical organization in Hawai'i. In 2017, the chapter recently approved a set of testimony policy that has helped address potential conflicts of interest for the chapter when providing expert testimony of project comments.

One of the unique qualities and strengths of the HSBPA is the depth of knowledge on coastal management and project experience of our membership, specifically the technical, policy and practical understanding of various coastal management options. The HSBPA's achievements in 2019 and planned for 2020, include sustained focus on three key focus areas:

1. Outreach and communication to our members will continue primarily through our electronic newsletter and social media. The newsletter is a great way to engage all the membership and provide a forum to communicate important events.

2. Membership drive and social engagement. We intend to make a drive this year to increase membership and further engage existing and potential new members through the newsletter and social media.

3. Legislation tracking and coastal project comments. HSBPA was

■ Continued on next page

COMMITTEES
Students & New Professionals:
More numbers, participation and enthusiasm

By EVE EISEMANN, Students & New Professionals Committee co-chair

The Students and New Professionals (SNP) Committee grew at an astounding rate in 2019, not only in membership numbers but in participation and enthusiasm.

Again this year SNP provided an environment for its members to meet and interact with leaders in the field by hosting a student poster competition and networking mixer at the 2019 Coastal Conference. The students and new professionals committee received more sponsor support this year than ever before, and are already making plans to keep this going in to 2020.

This year SNP reached out for the first time to the Young Coastal Scientists and Engineers Conference (YCSEC) organization. ASBPA offered free student memberships to participants, and awarded the best presentation winner at YCSEC with a presentation slot at ASBPA's 2019 conference.

The future of coastal science, engineering, and policy is in the hands of students and new professionals. Our mission is to not only provide resources and opportunities for those already in the field, but to expand awareness of the field. This year SNP took a leading role in the development of the new ASBPA Coastal Universities Guide, an online resource developed to help prospective students learn about coastal fields and find universities with opportunities to study the coast. The final version of the Coastal Universities Guide is slated to be released sometime in 2020. ❖

Chapters

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active during the 2018-19 Hawai'i legislative session, working closely with State and County agencies, members of the public, and the private sector to craft needed testimony for shoreline bills in both the State Legislature and the City and County of Honolulu Council. This will continue into 2020 and allow HSBPA to provide important science-based expertise on legislation and rules that related to coastal and beach management in Hawai'i.

Looking ahead at the next year, we are investigating potential fundraising opportunities to support our efforts to foster informed dialogue on coastal management issues with key stakeholders in Hawai'i. One area of interest to the HSBPA Board is to evaluate potential for hosting a second coastal management symposium or special conference following the successful 2014 Beach restoration Workshop and "Beach Restoration in Hawai'i: Challenges and Opportunities" white paper. More to come on the conference soon.

California Chapter:

Supporting professional development

By KIM GARVEY, president

The California Shore and Beach Preservation Association (CSBPA) was active in 2019 in support of professional development of coastal scientists and engineers, encouraging academic interest, and recognizing excellence in coastal work. CSPBA spent time developing subcommittees, discussing new initiatives, and thinking about how to best serve the California coastal community.

California State Science Fair

CSBPA was once again pleased to support excellence in coastal science by providing scholarship awards at the State Science Fair. An award is given in the amount of $500 in the Senior Division and $250 in the Junior Division. The award also includes student membership in ASBPA. The Senior Division award was presented to Ayushi Srivastava from Union City, CA for "*The Milkweed Mesh: Cleaning up Oil Spills in Aquatic Environments Using an Eco-Friendly Component*." The Junior award went to Nora Thompson from El Cerrito, CA for "*Lights of the Sea*" (pollution effects on dinoflagellates (bioluminescent planktons)). Congratulations to Ayushi and Nora.

Wiegel Scholarship winners

CSBPA established the Robert L. Wiegel Scholarship for Coastal Studies in 2002 and has made annual awards to students pursuing graduate level studies at a California university or college. We had the largest number of applicants ever this year; they were all impressive so it was a tough choice and four scholarships were awarded:

Ph.D. Candidates ($1,500 to each):

• Jasmin McInerney, University of California Davis, "*Internal Wave Induced Sediment Resuspension*"

• Ryan Searcy, Stanford, "*Expanding an Early Warning "Nowcast" System for California Beach Water Quality to Data-Poor Beaches*"

Masters Candidates ($1,000 to each):

• Ariel Heyman, California State University Fullerton, "*Response of Intertidal Rockweed to Sea Level Rise*"

• Marcel Peliks, Moss Landing Marine Laboratories/San Jose State University, "*Sediment Flux at the Head of Monterey Canyon*"

The award also includes student membership in ASBPA (new this year). Keep up the good work, scholars!

Joe Johnson Award

CSBPA has awarded a Joe Johnson award since 1989 to recipients who work diligently to: a) support the many activities and concerns of CSPBA and/or b) work to advance the knowledge and understanding of coastal science and coastal processes.

As previously reported in "Coastal Voice," the 2017 award was given to Peter Gadd, a long-time CSBPA Board member, coastal engineer, a founder and long-term principal of Coastal Frontiers Corporation, and was instrumental founder of the Wiegel Scholarship Fund. The 2018 recipient has not yet been awarded. Stay tuned.

Other board activities

California definitely has "multi facets" and thus our board activities are multi-faceted. Some of our other multi-facet board activities included planning for the 2020 ASBPA National Coastal Conference in Long Beach, supporting the ASBPA national nourishment database update, participation in ASPBA board meetings and government affairs committee, outreach to California Rep. Alan Lowenthal and Rep. Harley Rouda as part of the ASBPA Coastal Summit, development of public outreach presentation material, and compilation of California coastal technical references for eventual posting on the CSBPA webpage.

Check us out on our webpage http://asbpa.org/california/ for further information. And let us know if you would like to help with any of our activities.

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Chapters

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Stevens Student Chapter:

Participation and networking

By TAYLOR ZIMMERMAN, president

Over the past year the Stevens Institute of Technology ASBPA student chapter has been fortunate enough to participate in multiple technical conferences including the ASBPA National Coastal Conference in Myrtle Beach, SC (October 2019) and the COPRI PORTS conference in Pittsburgh, PA (September 2019). These conferences were attended by both student members and chapter advisor and ASBPA board member, Dr. Jon Miller. Masters student Taylor Zimmerman, PhD candidate Matthew Janssen, and research associate professor Dr. Jon Miller presented at the ASBPA National Coastal Conference. After the conference, master's students Dana Rose Brown and Taylor Zimmerman participated in a post-conference roundtable discussion on the American Shoreline Podcast Network.

In addition to technical conferences, students and faculty participated in a number of field studies this past year. Local field work included sedimentation studies of two inlets in New Jersey, a ferry wake analysis in the Hudson River in the Weehawken area, a wave and current climate analysis in the Hudson River in the Bayonne area, monitoring of a groin field in Deal, NJ, monitoring multiple living shorelines projects, updating living shorelines guidelines, and more. Matthew Janssen, PhD candidate Laura Lemke and Dr. Jon Miller will be publishing a paper in the upcoming issue of Shore and Beach titled, "Application of Storm Erosion Index (SEI) to parameterize spatial storm intensity and impacts from Hurricane Michael". The paper investigates the spatial variation of Hurricane Michael's storm intensity, evaluated using SEI, at seven distinct regions within the Florida Panhandle and compares this with erosion and structural damages. This work expands upon other applications of SEI, some of which were published in earlier issues of *Shore and Beach*.

The student chapter also hosted several events this year for students to get involved and network with professionals. The ASBPA student chapter was provided with opportunities t o take practice FE/PE exams, take a tour of the dredges at the Army Corps of Engineers Philadelphia District site, have mock interviews with professionals, and attend on-campus technical seminars. The technical seminars were given by Stevens alumni who now work at companies nearby, Georgii Bocharav (COWI) and Jeremy Pope (Marine Solutions). Stevens welcomes speakers from all backgrounds including industry, academics, and government. If anyone is interested in participating in our upcoming speaker series, they should reach out to Taylor Zimmerman (tzimmer1@stevens.edu).

Texas Chapter:

Educating and collaborating

By JERRY MOHN, President

The Texas ASBPA Chapter had a luncheon meeting in Austin, Texas, on February 19, 2019, and guest speakers included General Land Office (GLO) Commissioner George P. Bush, who provided a presentation on Texas coastal issues, highlighted the economic value of the Texas Coast to the entire nation, and described ongoing initiatives by the General Land Office.

Bush outlined GLO's partnering role with the U.S. Army Corps of Engineers in the Texas Coastal Study. He described the status of the study, the importance of public feedback on the preliminary coastal surge barrier concepts presented by USACE, and the study goals/objectives (e.g. national security investment, ecological benefits, flood protection, and economic benefits). He noted that one downside of the current plan is its alignment through developed areas which would displace residents and businesses.

Bush also mentioned the Texas Coastal Resiliency Master Plan which is scheduled to be finalized and released within the next week or so. We also heard from State Senator Larry Taylor and State Representative Todd Hunter who provided comments on the Texas Windstorm Insurance Association (TWIA) and challenges associated with high premiums. In addition, State Representative Mayes Middleton also provided comments on TWIA and ongoing efforts to cap premiums.

He highlighted the fact that there are numerous coastal members in positions of leadership this legislative session, which should benefit coastal communities. Peter Ravella provided an update on Coastal News Today and the American Shoreline Podcast Network.

A fifth symposium seminar was held at the Harte Research Institute in Corpus Christi on April 16 with the theme "Healthy Texas Shorelines" with many presentations and speakers and a poster session following the meeting. A field trip occurred the day before of the Nueces Delta area. In addition,

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Events
National Coastal Conference:

Making a stand in the Grand Strand

By TIM KANA, KEN WILLSON & DAWN YORK, National Coastal Conference co-chairs

The 2019 ASBPA National Conference came to Myrtle Beach in the heart of the Grand Strand along South Carolina's north coast in October. This mainland beach is one of the fastest growing Metro areas and a popular tourist destination in the US, attracting visitors year-round.

The theme of the conference was "Where Coasts and Rivers Meet," inspired by two events: recent hurricanes which have produced record rainfall and flooding of nearby coastal plain rivers; and ASBPA's initiative to broaden our organization's view of the coastal zone.

Communities around the Grand Strand have had to deal with multiple "1,000-year" floods since 1999, so the fall conference focused on ways communities can build resilience by not only maintaining beaches, but with living shorelines and better understanding of the connections between riverine and tidal flooding.

Keynotes by Dr. Jane McKee Smith, USACE-ERDC Hydraulic Engineer, and Maria Cox, SC Flood Mitigation Coordinator, set the stage for several excellent panel discussions, and a full program of six (!) concurrent sessions with 180 presentations, dozens of posters, and 25 exhibitors over three days.

The Flooding track with 30 presentations covered a diverse mix of topics from "King Tides" to state initiatives to manage flooding. This is a new area of focus for ASBPA.

The fall conference also had a Wetlands, Wildlife and Ecology track showcasing the importance our members place on conducting projects with sensitivity to impacted habitats.

The Storms and Resilience track was especially timely considering that coastal damages tend to peak around the time of the conference each year. There were many useful presentations showing how communities around the US coast are trying to increase resiliency, mitigate flooding and erosion, and make ingress (for responders) and egress (for residents and visitors) faster during storms. Of course, the conference continued to present the latest research and case studies on RSM, beach nourishment, shore protection structures and coastal modeling.

This was only the second time ASBPA has held a National Conference along the South Carolina coast, but we expect there will be more events in the future considering that South Carolina has become one of the most active states with beach restoration.

The conference drew over 400 attendees, exceeded its sponsorship goals, and confirmed that interest in solutions to flooding and beach erosion are on the rise, along with ASBPA's membership and outreach to our communities. ❖

asbpa
American Shore & Beach Preservation Association
Advocating for healthy coastlines
2019 ANNUAL REPORT

2019 Coastal Conference

Conference partners:
- Coastal Sediments Conference, Inc
- Coastal Research Lab, University of South Florida
- Florida Atlantic University
- COPRI of ASCE
- Atlantic Intracoastal Waterway Association
- North Carolina Division of Coastal Management
- North Carolina Division of Water Resources
- NC State Dept. of Civil, Construction and Environmental Engineering
- South Carolina Beach Advocates
- North Carolina Sea Grant
- American Flood Coalition
- SC DHEC Office of Ocean and Coastal Resource Mgmt
- Coastal Carolina University Burroughs and Chapin Center
- Coastal Carolina University Marine Science Department
- University of South Carolina Department of Geography
- North Carolina Association of Floodplain Managers
- North Carolina Beach, Inlet and Waterway Association

2019 conference awards:
- Morrough P. O'Brien: Tom Jarrett
- Robert L. Wiegel Coastal Project Award: Myrtle Beach
- Member of the Year Award: Reuben Trevino
- Robert G. Dean Coastal Academic Award: Ping Wang
- Rising Star Award: Frannie Bui
- President's Award: Spencer Rogers
- Friend of the Coast Media Award: Mark Hibbs, Coastal Review Online
- Student Poster Award: Michael Dunn
- Nick Kraus Coastal Scholar Award: Jyothi Palaparthi

2019 conference steering committee:
- Co-chairs: Tim Kana, Ken Willson and Dawn York
- Sponsorship: Brian Caufield
- Papers: Lee Weishar and Dawn York
- Poster: Tiffany Roberts Briggs
- Field Trip: Patrick Barrineau
- Mini-Golf: Ken Willson
- Awards: Katie Brutsché

■ **Continued on next page**

Conference.....

■ Continued from page 19

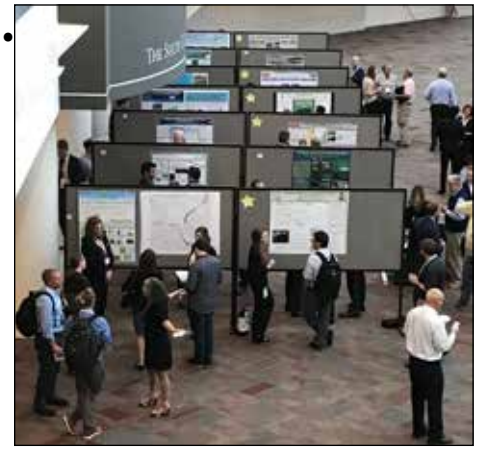
- Volunteers: Nick Brown
- Short Course: Lee Weishar
- Student/New Professional: Eve Eisemann and Taylor Zimmerman
- Tuesday Mixer: Dawn York and Derek Brockbank

2019 conference sponsors:

- Reception sponsor: Great Lakes Dredge & Dock Co.
- Mini-golf tourney sponsor: APTIM
- Lanyards: HDR Engineering
- Conference bag sponsor: Moffatt & Nichol
- Notebooks: Texas Chapter ASBPA
- Thursday a.m. break: South Coast Engineers
- Poster session sponsor: USGS
- Mobile sponsor: Coastal Science & Engineering
- Wi-fi sponsor: ATM
- Thursday pm break: Manson Construction
- Awards Sponsor: J.F. Brennan
- Short course sponsor: Crowder Gulf
- Friday am break sponsor: Norfolk Dredging Co.
- Student scholarships: Marinex Construction
- Field trip sponsor: City of Myrtle Beach
- Track sponsor / flooding: Coastal Carolina University
- Podcast sponsor: CDM Smith
- AV sponsor: Galveston Park Board
- Charging station sponsor: Environmental Defense Fund (Restore)
- Handbook advertisers: Coastal Protection Engineers, Coastal Strategies, SWCA Environmental Consultants

General sponsors:

- Freese & Nichols
- City of North Myrtle Beach
- North Carolina Beach, Inlet & Waterway Association
- West Galveston Island Property Owners Association
- Permeable Grid Solutions, LLC
- National Wildlife Federation
- South Padre Island
- Weeks Marine
- Lee County Visitor & Convention Bureau
- TetraTech
- The Nature Conservancy
- Dutra Group
- City of Virginia Beach, VA



- Waterway Surveys & Engineering Ltd.
- Applied Technology & Management Inc.
- Huesker Inc.
- Dune Science Group

2019 conference exhibitors:

- Athena Technologies
- Creative Pultrusions
- Earth Balance
- TenCate
- Eastman Aggregates
- Wagners CFT LL
- EA Engineering, Science, and Technology
- Atlantic Reefmaker
- Dial Cordy & Associates
- Guardian Retention Systems, LLC
- Huesker Inc.
- Taylor Engineering
- Moffatt & Nichol
- Coastal Transplants
- American Vibracore
- Bureau of Ocean Energy Management
- AccessRec
- Arete Structures, LLC
- DMS-MobiMat
- Dune Science Group
- SOX Erosion
- U.S. Army Corps of Engineers
- Coastal News Today

2019 conference volunteers:

- Nicholas Brown, Lead Volunteer
- Andrew Medhurst
- Ty Briggs
- Jyothirmayi Palaparthi
- Ali Courtemanche
- Ashaar Arbali
- Kaitlin Dick
- Matt Vallee
- Jacob Adam
- Michael Dunn
- Russell Nasrallah

Events

Coastal Summit:

Investing in resilient coasts

By BRIAN CAUFIELD, Coastal Summit co-chair

I hope that everybody enjoyed their own investment in the 2019 Coastal Summit and are looking to turn that into an Investment in Resilient Coasts! The 2019 Coastal Summit was ASBPA's largest ever with more than 120 registrants. We learned a lot of new information, rekindled old friendships, and hopefully made many new ones!

CAUFIELD

Tuesday afternoon started out with Lt. Gen. Todd Semonite, Chief of Engineers, U.S. Army Corps of Engineers, as a keynote speaker. He spoke towards revolutionizing how the Corps delivers infrastructure for the nation though authorized Civil Works projects. Our Regional Planning Panel had representatives from the North Atlantic Coast Comprehensive Study, South Atlantic Coastal Study, and the Great Lakes Coastal Resiliency Study. It was great to hear how current Regional Planning learned from the NACCS initiative and are looking to provide usable products in the future. It also showed the importance of funding as the two newer studies have been in the planning for a long time and one of the barriers was funding. And before we Chilled Out that evening, we heard from the Science & Technology and Government Affairs committees on updates that we could bring with us to Hill and Agency visits.

■ Continued on next page

Summit.....

■ Continued from page 20

Wednesday's day of celebration began as we recognized the five Best Restored Beaches of 2018. It continued the importance of investing in resilient coasts. The panel from 3 offices of NOAA really showed the diverse investments that they are making in our resilient coasts. We also heard how Executive Order 13807, known as One Federal Decision, is working. And most in the room learned of the Federal Permitting Improvement Steering Council. Before we headed out to Hill and agency visits, we heard from BOEM on their Marine Minerals Information System and showed how they are taking investments they have made over the past years and making it available and searchable by all. Wednesday evening ended with the Coastal Celebration on Capitol Hill. The Coastal Celebration had over 120 people from NGOs, industry and academia; over 90 people from local communities, states, and local coastal/estuary programs; and over 150 people from federal agencies; as well as dozens of Hill staff!

We saved out best for the last day as we looked at the future challenge of climate change on our industry. We started with an understanding of policy on Capitol Hill from Jeremy Symons. He gave an interesting perspective on how both sides are preparing for 2020. Shana Udvardy from The Union of Concerned Scientists followed with how climate impacts could affect real estate in different coastal markets in the future. She also shared multiple links to documents (see below) to help us educate ourselves and others on the topic. Scott Weaver followed with an interesting perspective of how little and how much we know about climate science is currently impacting how much we know about the impacts of future tropical storms. Margarita Wells proved that the City of Miami Beach has skin in the game as she demonstrated the projects and actions that they are taking to address climate change. And finally, we heard from Leonard Jones of Moody's Investor Service on the impact that climate change has when they are considering bond ratings.

While the 2019 ASBPA Coastal Summit was a fantastic three days in Washington, DC, we must not waste the other 362 years in a year and continue our Investments in Resilient Coasts! Make sure you follow up with Hill or Advocacy meetings and continue the conversations.. ❖

2019 Coastal Summit

2019 Summit steering committee:

- Co-chairs: Brian Caufield, Brandon Hill, Kathleen Riely
- Sponsorship: Dan Adams
- Awards: Jesse Baldwin
- Agency Visits: Joan Pope
- Volunteers: Brennan Banks & Corey Aitken
- Short Course: Lee Weishar
- Coastal Celebration: Derek Brockbank and Bradley Watson

2019 Coastal Summit Awards:

- Friend of the Coast: Sen. Edward Markey, Massachusetts
- Friend of the Coast: Rep. Debbie Wasserman Schultz, Florida
- Corps of Engineers Award: Lynn Bocamazo
- Federal Agency Award (USGS): John Haines

2019 Coastal Summit sponsors:

- Reception/food: Great Lakes Dredge & Dock
- Notebooks: Texas Chapter ASBPA
- Bags: South Padre Island, TX
- Wednesday breakfast: Manson Construction
- Short course sponsor: Crowder Gulf
- Mixer sponsor: CDM Smith
- Badge holders: HDR Engineering
- Tuesday afternoon cookie break: Norfolk Dredging
- AV sponsor: Moffatt & Nichol
- Exhibitors: Mobi-Mat/Deschamps Mats Systems Inc., Coil Reef Company
- Charging station: Coastal Science & Engineering
- Mobile site: Galveston Park Board of Trustees
- Handbook advertisers: Marinex Construction and Taylor Engineering
- General sponsors: APTIM, West Galveston Island Property Owners Assn., NCBIWA, GZA, City of Virginia Beach, SWCA Envinromental Consultants, Weeks Marine, OBG, Coastal Strategies, Coastal Transplants

2020 Coastal Summit:

2020 Vision for Our Coasts: People, Policies, Practices

Tuesday-Thursday, March 24-26

ASAE Conference Center ■ 1575 I Street NW, Washington, DC

Join us for three days of policy, technology and advocacy in Washington, DC. Information and program at www.asbpa.org. Draft program available Jan. 24.

Advocacy: Wednesday afternoon is set aside for targeted advocacy. We will discuss ASBPA's legislative agenda and how to have an effective meeting with your legislator or agency during the sessions. We strongly urge you to schedule advocacy meetings for Wednesday afternoon in advance of your travel.

Meetings with Members of Congress or their staff: ASBPA has a legislative agenda, and your organization may have some agenda items as well, that need to be discussed with legislators. Please confirm your Representative and Senators using the links below, then contact their offices to set up a meeting for Wednesday afternoon. Members of Congress prioritize meeting with people from their district or state, so be sure to identify yourself as a constituent when you set up the meeting. Those who wish to attend meetings with coastal agencies are urged to set up meetings with Members of Congress on Thursday afternoon.

- Representatives: www.house.gov
- Senators: www.senate.gov

Meetings with coastal agencies: ASBPA is arranging for a number of advocacy meetings with agencies such as NOAA Office of Habitat Conservation, BOEM, FEMA, and USACE. The registration form provides you with opportunity to sign up for one of these meetings. Non-U.S. citizens planning to visit the USACE should contact us for requirements.

Short Course: ASBPA and Coastal Zone Foundation (CZF) have teamed up together to present a series of short courses for the Certified Coastal Practitioner credential. Thursday, March 26, 1-5 p.m., CZF will present the Government Affairs module. Professional development certificates will be awarded to those who successfully complete the course.

Hotel: There is no conference hotel. The conference venue is near to McPherson Square Metro Station (Blue/Orange lines), accessible to many hotel options.

REGISTRATION FEES	ASBPA member	Non-ASBPA member*	Student member	Student non-member*
Until midnight Feb. 24	$395	$515	$75	$100
After Feb. 24	$445	$565	$75	$100
At the door (after March 18)	$495	$615	$85	$110
Short course	$75	$75	$35	$35

Sponsorships are available...full details at www.asbpa.org

Send checks or government purchase orders to
ASBPA, 5460 Beaujolais Lane, Fort Myers, FL 33919-2704.
To be officially registered, payments must be received by March 18, 2020.
* Registration fee includes 2020 ASBPA membership.

Fact Sheet:

Online registration open at http://asbpa.org/conferences/December

- **Registration**: Tuesday, March 24, 10 a.m.
- **Plenary sessions**: Tuesday, March 24, 1-5 p.m., Wed. March 25, 8 a.m. to noon Thurs., March 26, 8:30-11:30 a.m.
- **Advocacy meetings**: Wednesday, March 25, 1:30 to 4 p.m.
- **Hill briefing**: Wednesday, March 25, 4-5 p.m.
- **Coastal Celebration reception:** Wednesday, March 25, 5:30-7:00 p.m., on Capitol Hill
- **Closing**: Thursday, March 26, noon
- **Certification Short Course**: Thursday, March 26, 1-5 p.m. (Government Affairs module)

Chairs: Brian Caufield • Margarita Kruyff • Mike McGarry

Committees:
- Joan Pope – Advocacy
- Nick Brown - Awards
- Dan Adams – Sponsorship
- Lee Weishar – Short Course

ASBPA contacts:
- Derek Brockbank, Executive Director (202) 827-4246 • Derek.Brockbank@asbpa.org
- Kate & Ken Gooderham, Managing Directors • (239) 489-2616 • managing@asbpa.org

Online: www.asbpa.org

Call for Nominations:

The American Shore and Beach Preservation Association's

2020 Best Restored Beaches Award

• Nominations due April 6, 2020 •

ASBPA is seeking nominations for the Best Restored Beaches Award to recognize beach renourishment projects. This award honors the Best Restored Beaches in America annually to help build awareness of the value of America's restored beaches. The award-winning projects on America's shorelines and on the Great Lakes' shorelines could include:

Beach and shoreline renourishment project on open coastlines

- Dune projects
- Coastal resiliency projects with a sandy beach or dune component
- Inlet management and regional sediment management (RSM) projects including beach placement
- Beach and shoreline projects on open coastlines with structures that enhance the performance of beach renourishment projects

Continued public support for restoration is crucial and often difficult to maintain when restoration projects become are and become routine. ASBPA encourages nominations from established, as well as new, projects for the 2020 Best Restored Beaches Award.

To meet submission deadlines, all nominations must be sent electronically to Bestrestoredbeach@asbpa.org by April 6, 2020. The nomination text must be in MS Word or PDF format. Photographs must be saved in JPEG or TIF formats. A nomination checklist is available at www.asbpa.org. We encourage all applicants to use this form to make sure their application is complete.

Nomination packages at a minimum must contain the following:

• Nominator's contact information (name, address, phone, fax, email), and the name and contact information for the nominee's public affairs specialist to coordinate with the media.

• Project location map.

• The name of the project manager and the construction contractor. If consulting firms were used in the design and/or permitting, provide the consulting firm's principal scientist, biologist, ecologist or and/or engineer as appropriate.

Project narrative, including the following:

• Effectiveness and purpose of the project. Describe the primary objective(s) and any secondary objectives of the project. Discuss the how effective the project was in meeting both primary and any secondary objectives?

• Design features including constraints and challenges. The nominee should provide a comprehensive description of the design.

• Identify the issues (both positive and negative) that influenced the project design.

• Construction methods. The nominee should provide a description of, construction methods. Projects with innovative design and construction methods that were effective and able to meet project's purposes will be favored.

• Funding. Describe the funding sources and how any obstacles or hurdles were overcome. Projects with public / private partnerships and monitoring to document project performance success will be favored.

• Several professional-quality color photographs of the restored beach with a signed release (tourist development councils and local resorts are good sources for photos of this quality). Include before and after restoration photographs.

•A statement about why you consider this project is Best Restored Beach. (It is important to let the committee know you are passionate about your project and that the restoration project was a benefit to the community, the habitat, and/or was beneficial in increasing coastal resiliency.

• Quantified outcomes (benefits resulting from the successfully executed project) are especially helpful.

Please include beach nourishment data for your current project, and historic beach nourishments, to include volume (cubic yards), cost, and length of shoreline restored. Your project will be added to our online geodatabase: https://gim2.aptim.com/ASBPANationwideRenourishment/

The Awards Committee will evaluate the nomination based on your responses to these questions. Please feel free to describe in more depth what efforts were required

Winners will be notified in advance. ASBPA will prepare press releases to notify the media of the winner. Winners must agree to provide press releases to their local media and arrange for a representative to be present at the 2021 ASBPA Summit in Washington, DC, to accept the award.

All materials submitted will become property of ASBPA and will not be returned. ❖

Chapters.....

■ Continued from page 18

Coasts, Oceans, Ports, and River Institute, which is a part of the American Society of Civil Engineers had a happy hour after the field trip and all Symposium participants were invited.

For the last five years, the Texas Chapter collaborated with the Corps of Engineers Galveston District, who handles the Texas Coast, for a luncheon meeting. This year it occurred on Aug. 15 at the Galveston Island Convention Center. Colonel Timothy Vail provided insights on the current focus of the Galveston District to align shared interests along the Texas coast.

• The Galveston District and the GLO partnered for a Coastal Texas Study to be completed in 2021 with the estimated costs for all the projects to be from $23 billion to $31 billion and the major cost will be a costal barrier system to protect the Houston Ship Channel, of vital importance to the Texas and U.S. economy.

• We also heard a presentation on the Jefferson County Ecosystem Restoration Study which covers from Sabine Pass to Galveston Bay. USACE is currently working on a Single Award Task Order Contracts (SATOCs) for Jefferson County and a separate SATOC for Orange County.

• There was a presentation on the Brownsville Resacas (former channels of the Rio Grande River) Ecosystem Restoration Study and the Continuing Authorities Program. The program is focusing on protecting and restoring the resacas of South Texas of which only 1% of historical resacas are left.

• The Galveston Parks Board of Trustees provided a presentation on Aligning Local, State, and Federal Resources for the Galveston Coast for an ongoing development of a sediment bed load collector to passively collect sand along the coastline for maintenance and nourishment of the beach

• The Texas General Land Office, provided a brief update on the legislative dedicated funding source for the Coastal Erosion Planning and Response Act.

Our next meeting will be held on Jan. 17 in Rockport, Texas. One presentation will be on the area's recovery after Hurricane Harvey, a Category 4 hurricane, that wreaked havoc on the city in August, 2017. In addition at this meeting, which will be our annual one, we will have elections for the board and officers.

On legislative issues, the Texas Chapter joined forces recently with the Coastal Builders Coalition to increase the size of GOMESA (Gulf of Mexico Energy Security Act) royalties to put Gulf coastal states on par with interior states when it comes to oil and gas royalty sharing. We support Senate Bill 2418, which would brings the Gulf coastal counties millions more per year under GOMESA. ❖

CONFERENCES

■ **Feb. 5-7**: **FSBPA National Conference on Beach Preservation Technology,** Hyatt Regency Sarasota, Sarasota, FL. Details at fsbpa.com.

■ **March 24-26: ASBPA Coastal Summit**, ASAE Conference Center, Washington, DC. Details to come; see elsewhere in this newsletter for information on focus and awards.

■ **April 20-21**: North Carolina Beach, Inlet and Waterway Association's 2020 Spring Local Governments Meeting, at The Islander Hotel and Resort, 102 Islander Drive, Emerald Isle, NC 28594.

■ **Oct. 13-16: ASBPA National Coastal Conference,** Long Beach Westin, Long Beach, CA. Details to come. ❖

Coastal Summit 2020 awards nominations open, due Jan. 24

Nominations are now open for the ASBPA Congressional awards, Congressional Staffer award, Federal Agency award, Corps award, and Friend of the Coast Media award to be presented during the Coastal Summit in Washington, DC, on March 24-26. The deadline is Jan. 24, 2020.

• Congressional awards include **"Coastal Advocate"** — ASBPA's highest award, a lifetime achievement award — and **"Friend of the Coast,"** for shorter term or more project-specific contributions. Any ASBPA member may nominate one or more Members of Congress for the awards.

• The **Congressional Staffer** award will be given to a single staff member for his or her efforts both to promote beach preservation and to facilitate project requests in the past legislative session.

• The **Federal Agency** award will be given to a single staff member for his or her efforts to promote beach preservation.

• The **Corps Award** honors a member of the Corps of Engineers who contributed to the cause of beach management and preservation. For the most part, these are people from the districts who make projects happen.

• And the **Friend of the Coast Media** award will be given to a media outlet for exceptional coverage of coastal news.

Nominations are due at the ASBPA offices no later than January 24, 2020, and may be submitted using the online form at www.asbpa.org. The nominator will need to be in attendance at the 2020 Coastal Summit to receive the award. For questions, e-mail us at managing@asbpa.org. ❖