Resilient Coasts. Resilient Communities.

#RAESUMMIT22
December 4-8, 2022
New Orleans, LA
President’s Welcome Message

2022 RAE Coastal & Estuarine Summit

Restore America’s Estuaries (RAE) is honored to welcome you to the 2022 RAE Coastal & Estuarine Summit. We could not be happier to be back in New Orleans and we appreciate all of you for joining us in person and in the virtual space. With more than 500 presenters, 100 sessions, nearly 140 posters, and numerous field sessions, workshops, and receptions, this year’s Summit is set to be the most engaging and successful to date.

The theme of this year’s Summit is Resilient Coasts. Resilient Communities. This theme reflects the vital role, now more than ever, that our coasts play in protecting and providing for coastal residents, the economy, and natural ecosystems. It is also why we believe New Orleans is the perfect location for this year’s Summit.

The Louisiana Gulf is on the front line of coastal restoration and climate change. Seas are rising and storms are becoming more severe and more regular, resulting in erosion, land loss, and economic hardships. Additionally, it is oftentimes the most vulnerable among us that stand to lose the most in the face of these challenges.

There is hope, though. Louisiana has invested billions of dollars in coastal restoration with support from Congress, federal agencies, and non-profits, such as RAE member group Coalition to Restore Coastal Louisiana (CRCL). In 2022, the state committed $1.3 billion to restoration as part of Louisiana’s Annual Plan. This, coupled with federal coastal restoration investments such as the Infrastructure Investment and Jobs Act (IIJA) and Inflation Reduction Act (IRA), could go a long way towards protecting our coasts from the worst of what is to come.

In addition to a greater focus and spending on coastal restoration, RAE also envisions a more inclusive environment where resources and funding are more equitably distributed to protect and support all members of the coastal community. As part of this vision, we have invested in our first ever hybrid Summit, and in doing so we hope to improve access to the knowledge sharing and networking you’ve come to expect at the Summit for those unable to join us in New Orleans. As in years past, we are also providing expanded access for students and early career professionals through individual and classroom scholarships. We hope these efforts will bring unique voices, perspectives, and ideas to this and future Summits.

Lastly, we are fortunate to have a strong list of sponsors, led by the National Oceanic and Atmospheric Administration (NOAA), U.S. Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS), The Pew Charitable Trusts, Stantec, The Walton Family Foundation, Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA), the U.S. Environmental Protection Agency (EPA), and The Ocean Foundation. From local to national agencies, companies, and non-profits, more than 60 sponsors and exhibitors are here because they, like you, believe that our coastal resources and communities are worth protecting.

RAE appreciates that you have chosen to be a part of our 11th national Summit, the nation’s largest gathering of coastal restoration and management professionals and we encourage you to take advantage of all the opportunities that the coming days present. With our combined expertise and resources, we can craft a more resilient, inclusive, and equitable future for our coasts and coastal communities.

Welcome to the 2022 RAE Coastal & Estuarine Summit,

Daniel Hayden
President and CEO, Restore America’s Estuaries
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MORE THAN 175 HOURS OF ON DEMAND CONTENT FROM THE 2022 RAE COASTAL & ESTUARINE SUMMIT

Each presentation from this year’s Summit will be available on demand for three months beginning December 4th! If you missed anything, or want to enjoy a session again, simply login to the Summit Virtual Platform.

Recordings will be accessible through the agenda tab on the Platform. Select recordings may also be posted to our YouTube Channel. If you have questions, or for more information, please reach out to rae@estuaries.org or find a RAE staff member at the Summit.
General Information

About Restore America’s Estuaries
Established in 1995, Restore America’s Estuaries (RAE) is dedicated to the protection and restoration of bays and estuaries as essential resources for our nation. RAE is a national leader in understanding the economic importance of estuaries, advancing blue carbon science, creating an imperative for living shorelines, and promoting strategies to enhance coastal resilience. We work with strategic partners to advance this mission regionally and as an advocate in the nation’s capital. RAE and its alliance members create a powerful and unified voice for coastal habitat restoration and the well-being of coastal communities.

About the Summit
The Summit is an international gathering encompassing all disciplines within the coastal and estuarine restoration and management communities. RAE has worked with more than 50 committee members to develop the Summit Program and welcomes more than 1,200 attendees from all aspects of the restoration and management communities – the largest gathering of its kind. Restoration and management practitioners, policy makers, citizens and community leaders, consultants, scientists, educators, planners, engineers, students, volunteers, philanthropists, program managers, field staff, contractors, regulators, and others are here for an integrated discussion to explore issues, solutions, and lessons learned in their work. Choose from more than 500 oral presentations in 100 compelling sessions, as well as nearly 140 poster presentations that explore the Summit’s theme of Resilient Coasts. Resilient Communities.

Access to Virtual Content
Every Summit attendee has access to the entire library of pre-recoded presentations on our virtual platform. Can’t decide which sessions to go to? No problem! Just use your login to watch the hundreds of presentations any time during or after the Summit. Can’t find your login? Just ask at the registration desk.

Diversity and Inclusion Statement
We recognize that a diverse, inclusive, and equitable workplace is one where all employees and volunteers, whatever race, gender, sexual orientation, gender identity and expression, ethnicity, ability, religion, language, professional status, institution, or age, feel valued and respected. We welcome and appreciate diverse life experiences and heritages, and work to ensure that all voices are valued and heard.

Nursing Moms
If you are in need of a private room please see the Summit registration desk.

Join the Conversation Online
Use #RAESUMMIT22 to follow along on social media throughout the 2022 RAE Coastal & Estuarine Summit. We encourage you to share photos, insights, promote presentations, suggest ideas, and provide feedback throughout the week. Be sure to follow RAE for the latest updates and highlights from the Summit.

#RAESUMMIT22

@RAEStuaries @Restore America’s Estuaries @RAEstuaries
General Information

Summit Acronyms

BOEM – Bureau of Ocean Energy Management
CMSP – coastal and marine spatial planning
CZM – coastal zone management
DEIIJA – Diversity, Equity, Inclusion, Justice, & Accessibility
DNR – Department of Natural Resources
FEMA – Federal Emergency Management Agency
GHG – greenhouse gas
GIS – geographic information system
ICI – Inclusive Coasts Initiative
IIJA – Infrastructure Investment and Jobs Act
IRA – Inflation Reduction Act
NEP – National Estuary Program
NEPCWG – NEP Coastal Watersheds Grant
NERR – National Estuarine Research Reserve
NGO – non-governmental organization
NOAA – National Oceanic and Atmospheric Administration
NPS – National Park Service
NRCS – Natural Resources Conservation Service
NWR – National Wildlife Refuge
RAE – Restore America’s Estuaries
SAV – submerged aquatic vegetation
SLR – sea level rise
SNEP – Southeast New England Program
SWIG – SNEP Watershed Implementation Grants
TMDL – Total Maximum Daily Load
USACE – U.S. Army Corps of Engineers
USEPA – U.S. Environmental Protection Agency
USFWS – U.S. Fish and Wildlife Service
USGS – U.S. Geological Survey

The Coastal Wetlands Planning, Protection and Restoration Act

CWPPRA

Restoring coastal Louisiana since 1990.

Learn more at www.LAcoast.gov.
Purpose
Restore America’s Estuaries (RAE) aims to foster an environment of communication and scholarship that respects and elevates a diversity of views, identities, backgrounds, and experiences. At our 2022 RAE Coastal & Estuarine Summit, we are committed to ensuring a safe, productive, and welcoming environment where all Summit attendees and staff can participate without harassment, discrimination, or violence of any type. This Code of Conduct applies to all Summit participants and all events, including but not limited to, attendees, volunteers, speakers, vendors, exhibitors, contractors, and guests. RAE reserves the right to enforce this Code of Conduct in any manner deemed appropriate. By registering for the Summit, you agree to all the terms listed below.

Expected Behaviors
All participants are expected to contribute to creating a Summit environment that recognizes the inherent worth of every person and group, fosters dignity, understanding, mutual respect, and embraces diversity. As such, we expect all Summit attendees to treat each other with respect regardless of race, gender, sexual orientation, gender identity and expression, ethnicity, ability, religion, language, professional status, institution, or age. Whether attending in-person or virtually, all attendees are expected to respect the established rules and policies of RAE as well as those of the hotel, venue, speakers, and others.

Unacceptable Behaviors
Certain behaviors are unacceptable. These offending behaviors include harassment, intimidation, discrimination, or abuse. Any form of physical and verbal abuse is unacceptable, whether virtually or in person. Harassment will not be tolerated in any form. Harassment includes stalking, bullying, disruption, use of abusive, offensive, or degrading language, harassing photography or recording, inappropriate physical contact, sexual imagery, and unwelcome sexual advances.

Reporting Unacceptable Behaviors
We ask that participants be aware and mindful of their surroundings and of fellow participants. Please alert RAE staff onsite or via email at conference@estuaries.org if you notice or are subjected to harassment or abuse in any form. If there is an emergency or immediate threat, please contact security or local law enforcement by calling 911.

Consequences
Any report of harassment, intimidation, discrimination or abuse at one of our events, whether in person or virtual, will be addressed immediately. Anyone violating this Code of Conduct will be asked to cease the offending behavior and failure to comply with requests may result in expulsion from the Summit without a refund or other compensation. If the offending behavior is criminal, local law enforcement will be contacted. RAE reserves the right to prohibit any offenders from attending future RAE events.

HELP US TURN THE TIDE FOR AMERICA’S ESTUARIES

The support of generous donors like you allows us to continue the work of protecting and restoring America’s estuaries. To learn more about how you can support RAE, please visit www.estuaries.org/donate.
Summit Highlights and Events

Re-energizing Yoga Sessions

**Morning Yoga** | Monday-Wednesday, 7:00 am – 7:40 am | 3rd Floor

**Afternoon Yoga Break** | Monday-Wednesday, during afternoon breaks | 3rd Floor

Being good stewards and managers of our coasts can be exhausting. Keeping yourself in good health is essential! We offer yoga classes and afternoon mini-breaks to help you maintain – or regain – your equilibrium. Wake up and feel good! Treat yourself to an energizing morning of breathing, movement, and final relaxation. Get your body moving and your mind ready for a full day!

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Monday Plenary

*Resilient Coasts. Resilient Communities.*

**Monday, 8:30 am – 10:30 am | Grand Ballroom**

The 2022 Summit theme, *Resilient Coasts. Resilient Communities.*, reflects the many benefits of coastal conservation and restoration. Unfortunately, it also demonstrates how much we stand to lose because of the many pressures facing our coasts. How have past investments made a difference and what can we learn from them? What needs to be done now to address current and future challenges? How do we best serve and address the need of diverse constituencies and stakeholders? Our panel of experts will provide thought-provoking views on why future investment on our coasts is an absolute national imperative.

From local activists to state and federal policy makers, our Monday Plenary highlights the voices, ideas, and ambitions that make coastal communities in the Gulf of Mexico so dynamic and resilient while also shining light on the comprehensive benefits of resilient coastal ecosystems for lives and livelihoods.

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Wednesday Plenary

*Future Faces of Restoration*

**Wednesday, 3:30 pm – 5:00 pm | Grand Ballroom**

While our coasts and coastal communities face immeasurable threats, there are exciting new strategies to mitigate many of these challenges. This panel will focus on some of the technological and social innovations that will foster resilient coasts and resilient coastal communities. While there is much to be concerned about, there are also many bright spots that we need to recognize and build upon.
Summit Highlights and Events

President’s Opening Reception

*Sponsored by Restore the Mississippi River Delta*

Sunday, 5:30 pm – 7:30 pm | Summit Expo & Poster Hall

We invite you to join old and new friends in the coastal restoration community as we celebrate being back together in person again. Reunite with other Summit attendees and learn about the latest tools, products, and services offered by our many exhibitors from businesses, agencies, academia, and non-profit organizations. Appetizers and a cash bar will be available.

Poster Session Happy Hour

*Sponsored by Reef Ball Foundation*

Monday, 5:30 pm – 7:30 pm | Summit Expo & Poster Hall

View posters and speak with poster presenters as you explore hundreds of innovative ideas, case studies, and promising research on display in the Expo and Poster Hall. Appetizers and a cash bar will be available.

Coastal Networking Event

*Sponsored by Tetra Tech*

Tuesday, 6:30 pm – 9:30 pm | Cornet & Krazy Korner in the French Quarter

Only a short walk or streetcar ride from the Summit hotel, the Coastal Networking Event at Cornet and Krazy Korner is not to be missed! Located in the heart of the French Quarter, we have reserved two adjacent venues just for Summit attendees. Enjoy live music, dancing, or find a quiet corner for a chat. You will also have exclusive access to two balconies to take in the sights of the French Quarter, as well as superb New Orleans food, and of course fabulous networking! **Be sure to bring your Summit name badge for faster entry. This event is free for Summit attendees, but guest tickets can be purchased at the Summit registration desk for $65.**
## Summit Schedule At A Glance

### Sunday, December 4

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>9:00 am – 4:30 pm</td>
<td>Field Sessions and Workshops (Pre-registration required)</td>
</tr>
<tr>
<td>9:00 am – 3:00 pm</td>
<td>Restoration Project</td>
</tr>
<tr>
<td>9:00 am – Noon</td>
<td>Diving into the Digital Coast - Nature-based Solutions and Coastal Inundation Risk Information Parish Room</td>
</tr>
<tr>
<td>1:00 pm – 4:00 pm</td>
<td>Using the Power of Media to Share Your Coastal Stories Fulton Room</td>
</tr>
<tr>
<td>1:30 pm – 4:30 pm</td>
<td>Diving into the Digital Coast - Funding and Financing Resilience Parish Room</td>
</tr>
<tr>
<td>2:00 pm – 6:30 pm</td>
<td>Registration Open</td>
</tr>
<tr>
<td>4:00 pm – 4:45 pm</td>
<td>Summit 101: Summit Overview, Q&amp;A Session Canal Room</td>
</tr>
<tr>
<td>5:30 pm – 7:30 pm</td>
<td>President's Opening Reception Sponsor by Restore the Mississippi River Delta Expo &amp; Poster Hall</td>
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### Monday, December 5

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am – 6:30 pm</td>
<td>Registration Open</td>
</tr>
<tr>
<td>7:00 am – 7:40 am</td>
<td>Morning Yoga 3rd Floor Breezeway</td>
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<tr>
<td>7:30 am – 8:15 am</td>
<td>Continental Breakfast Expo &amp; Poster Hall</td>
</tr>
<tr>
<td>8:30 am – 10:30 am</td>
<td>Monday Plenary Grand Ballroom</td>
</tr>
<tr>
<td>10:30 am – 11:00 am</td>
<td>Morning Coffee Break Expo &amp; Poster Hall</td>
</tr>
<tr>
<td>11:00 am – 12:30 pm</td>
<td>Concurrent Sessions 1</td>
</tr>
<tr>
<td>12:30 pm – 2:00 pm</td>
<td>Lunch on Your Own</td>
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<tr>
<td>2:00 pm – 3:30 pm</td>
<td>Concurrent Sessions 2</td>
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<tr>
<td>3:30 pm – 4:00 pm</td>
<td>Afternoon Coffee Break Expo &amp; Poster Hall</td>
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<tr>
<td>3:40 pm – 4:00 pm</td>
<td>Afternoon Yoga Mini-Break 3rd Floor Breezeway</td>
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<tr>
<td>4:00 pm – 5:30 pm</td>
<td>Concurrent Sessions 3</td>
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<tr>
<td>5:30 pm – 7:30 pm</td>
<td>Poster Session Happy Hour Sponsor by Reef Innovations/Reef Ball Foundation Expo &amp; Poster Hall</td>
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### Tuesday, December 6

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 am – 6:00 pm</td>
<td>Registration Open</td>
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<tr>
<td>7:00 am – 7:40 am</td>
<td>Morning Yoga 3rd Floor Breezeway</td>
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<tr>
<td>7:30 am – 8:15 am</td>
<td>Continental Breakfast Expo &amp; Poster Hall</td>
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<tr>
<td>8:30 am – 10:00 am</td>
<td>Concurrent Session 4</td>
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<tr>
<td>10:00 am – 10:30 am</td>
<td>Morning Coffee Break Expo &amp; Poster Hall</td>
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<tr>
<td>Time</td>
<td>Activity</td>
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<tr>
<td>10:30 am – Noon</td>
<td>Concurrent Sessions 5</td>
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<tr>
<td>Noon – 2:00 pm</td>
<td>Lunch on Your Own</td>
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<tr>
<td>2:00 pm – 3:30 pm</td>
<td>Concurrent Sessions 6</td>
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<tr>
<td>3:30 pm – 4:00 pm</td>
<td>Afternoon Coffee Break</td>
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<tr>
<td>3:40 pm – 4:00 pm</td>
<td>Afternoon Yoga Mini-Break</td>
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<tr>
<td>4:00 pm – 5:30 pm</td>
<td>Concurrent Sessions 7</td>
</tr>
<tr>
<td>6:30 pm – 9:30 pm</td>
<td>Coastal Networking Event</td>
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**Wednesday, December 7**

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<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:30 am – 5:00 pm</td>
<td>Registration Open</td>
<td></td>
</tr>
<tr>
<td>7:00 am – 7:40 am</td>
<td>Morning Yoga</td>
<td>3rd Floor Breezeway</td>
</tr>
<tr>
<td>7:30 am – 8:15 am</td>
<td>Continental Breakfast</td>
<td>Expo &amp; Poster Hall</td>
</tr>
<tr>
<td>8:30 am – 10:00 am</td>
<td>Concurrent Sessions 8</td>
<td></td>
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<tr>
<td>10:00 am – 10:30 am</td>
<td>Morning Coffee Break</td>
<td>Expo &amp; Poster Hall</td>
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<tr>
<td>10:30 am – Noon</td>
<td>Concurrent Sessions 9</td>
<td></td>
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<tr>
<td>Noon – 1:30 pm</td>
<td>Lunch on Your Own</td>
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<tr>
<td>1:30 pm – 3:00 pm</td>
<td>Concurrent Sessions 10</td>
<td></td>
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<tr>
<td>3:00 pm – 3:30 pm</td>
<td>Afternoon Coffee Break</td>
<td>Chemin Royale</td>
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<tr>
<td>3:10 pm – 3:30 pm</td>
<td>Afternoon Yoga Mini-Break</td>
<td>3rd Floor Breezeway</td>
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<tr>
<td>3:30 pm – 5:00 pm</td>
<td>Wednesday Plenary</td>
<td>Grand Ballroom</td>
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**Thursday, December 8**

**Workshops:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>9:00 am – 4:15 pm</td>
<td>Use of Natural and Nature-Based Features in Estuarine Systems</td>
<td>Jackson Room</td>
</tr>
<tr>
<td>9:00 am – Noon</td>
<td>Food for Thought: How the Coasts Nourish Our Bodies and</td>
<td>Canal Room</td>
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<td></td>
<td>Communities</td>
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<tr>
<td>9:00 am – 1:00 pm</td>
<td>Blue Carbon Collaboratives: Developing and Leveraging</td>
<td>Royal Room</td>
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<td>Communities of Practice to Advance Blue Carbon in US Coastal</td>
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<td></td>
<td>States and Regions</td>
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<tr>
<td>9:00 am – Noon</td>
<td>Using your Grant Programs to Improve DEIJ</td>
<td>Camp Room</td>
</tr>
<tr>
<td>9:00 am – Noon</td>
<td>Communicating Your Science and Expertise with COMPASS</td>
<td>Magazine Room</td>
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<td>Grand Ballroom Ste. C &amp; D</td>
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<td>Grand Ballroom Ste. D</td>
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<td>Grand Ballroom Ste. C</td>
<td>13 &amp; 16</td>
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<td>Grand Ballroom Ste. C</td>
<td>15 &amp; 18</td>
<td>34'</td>
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<tr>
<td>Grand Ballroom Ste. B Sec 9 &amp; 12</td>
<td>2</td>
<td>40'</td>
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<tr>
<td>Grand Ballroom Ste. B Sec 7&amp; 10</td>
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<td>40'</td>
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<tr>
<td>Grand Ballroom Ste. A Sec 4</td>
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<td>40'</td>
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**Note:**
- Classrooms are available per 6" d.
- Exhibit 10x10.
- Floor
- Burgundy
- Z
- Zoom
- South
- 1st
- Protect • Conserve • Restore
- NOAA
- Learn more at noaa.gov
Expo and Poster Hall

Welcome to the Hub of the Summit

Expo Hall Hours:

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Sunday</td>
<td>5:30 pm – 7:30 pm</td>
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<tr>
<td>Monday</td>
<td>7:30 am – 7:30 pm</td>
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<tr>
<td>Tuesday</td>
<td>7:30 am – 5:30 pm</td>
</tr>
<tr>
<td>Wednesday</td>
<td>7:30 am – Noon</td>
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Exhibits
With more than 60 sponsors and exhibitors, the Expo Hall provides direct access to the essential products, services, people, and programs for your restoration and management efforts. This dynamic and award-winning Expo Hall features ideas and services for all aspects of coastal and estuarine restoration and management – including planning and design, construction and management, funding and outreach, monitoring and evaluation, and community engagement. Exhibitors include leading businesses, state and federal agencies, NGOs, academic and research institutions, and others who are showcasing their products and expertise. The Expo Hall is the perfect place to find new partners and talk with experts about your projects and the services they have to offer. Continental breakfast and coffee breaks will take place in the Expo Hall, as well as the Opening Reception and Poster Session Happy Hour.

Posters
Learn from leaders in coastal restoration and management by diving into new and innovative ideas, case studies, and research results displayed in the Poster Hall. A comprehensive array of results, lessons learned, and field techniques will be presented by individuals from businesses, community organizations, universities, and government agencies. Poster categories include Science, Technology, and Practice (STP); Outreach, Education, and Engagement (OEE); and Policy, Planning, and Funding (PPF).

Events in the Expo and Poster Hall

President’s Opening Reception
Sponsored by Restore the Mississippi River Delta
Sunday, 5:30 pm - 7:30 pm

RAE invites you to meet new and old friends in the coastal restoration and management communities at the Summit’s Opening Reception. Network with attendees and sponsors while discovering the latest tools, research, and real-world results from more than 60 exhibitors from businesses, agencies, academia, and non-profit organizations. Appetizers and a cash bar will be available.

Poster Session Happy Hour
Sponsored by Reef Ball Foundation
Monday, 5:30 pm – 7:30 pm

View nearly 140 posters and speak with poster presenters as you explore hundreds of new ideas, case studies, and promising research on display in the Expo and Poster Hall. The happy hour is a great way to meet and talk with poster presenters and discover the latest ideas in science, policy, and management. Light appetizers will be provided and a cash bar is available.
From Conserving Natural Ecosystems to Minimizing Flood Impacts, We’re Committed to Resilient Coasts, Resilient Communities.

Learn about our work and meet with our experts.
Booth #402
Principal Sponsor, 2022 RAE Summit

Sky Noir Photography by Bill Dickinson/Getty Images
## Exhibitor List

### by booth number

<table>
<thead>
<tr>
<th>Booth</th>
<th>Company/Organization</th>
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<tbody>
<tr>
<td>100</td>
<td>Galveston Bay Foundation</td>
</tr>
<tr>
<td>101</td>
<td>Coalition to Restore Coastal Louisiana</td>
</tr>
<tr>
<td>102</td>
<td>Save The Bay - Narragansett Bay</td>
</tr>
<tr>
<td>103</td>
<td>American Littoral Society</td>
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<td>104</td>
<td>Tampa Bay Watch</td>
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<tr>
<td>105</td>
<td>Chesapeake Bay Foundation</td>
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<tr>
<td>107</td>
<td>North Carolina Coastal Federation</td>
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<td>108</td>
<td>EarthCorps</td>
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</table>
NRCS works with private landowners and cooperating partners to protect and restore America’s coastal wetlands.

Stop by the USDA/NRCS booth space 507
AECOM
Booth # 206
Contact: Jason Palmer
(253) 318-4482
jason.palmer@aecom.com
www.aecom.com/services/environmental-services/
Delivering a Better World

American Littoral Society
Booth # 103
Contact: Lindsay McNamara
(848) 303-5032
lindsay@littoralsociety.org
www.littoralsociety.org
Caring for the Coast since 1961

AquaTech Eco Consultants
Booth # 609
Contact: Beau Williams
(813) 918-6169
beau@aquatecheco.com
www.AquaTechEco.com
AquaTech Eco Consultants is an experienced aquatic restoration and consulting firm

Association of National Estuary Programs
Booth # N/A
Contact: Rich Innes
(202) 354-6457
richinnes@merid.org
www.nationalestuaries.org
ANEP works collaboratively with coastal communities to sustain estuaries

Black In Marine Science
Booth # 300
Contact: Dr. Tiara Moore
(757) 237-3345
ceo@bims.org
www.blackinmarinescience.org
Nonprofit aimed to increase environmental justice in marine science

Bonefish & Tarpon Trust
Booth # N/A
Contact: Mark Rehbein
(703) 350-9195
mark@bonefishtarpontrust.org
www.btt.org
Mission: To conserve and restore bonefish, tarpon and permit fisheries and habitats through research, stewardship, education and advocacy.

Cargill, Inc.
Booth # N/A
Contact: Ric Notini
(510) 790-8182
ric_notini@cargill.com
www.cargill.com/page/sf/sf-bay-salt-ponds
We are committed to helping the world thrive.

Center for Sustainable Engagement and Development
Booth # 606
Contact: Arthur Johnson
(504) 421-9643
ajohnson@sustainthenine.org
www.sustainthenine.org
CSED focuses on coastal resiliency within and around the Lower 9th Ward

Chesapeake Bay Foundation
Booth # 105
Contact: Kati Grigsby
(757) 710-9236
kgrigsby@cbf.org
www.cbf.org
Saving the Chesapeake Bay through education, advocacy, litigation, and restoration.

Chesapeake Bay Program
Booth # 904
Contact: Rachel Felver
(410) 267-5740
rFelver@chesapeakebay.net
www.chesapeakebay.net
A regional partnership guiding the restoration of the Chesapeake Bay.

Coalition to Restore Coastal Louisiana
Booth # 101
Contact: Donna Betzer
(504) 655-7644
donna.betzer@crcl.org
www.crcl.org; www.stateofthecoast.org
Uniting people in action to achieve a thriving, sustainable Louisiana coast for all.

Coastal and Estuarine Research Federation
Booth # 601
Contact: Susan Park
(804) 381-6658
spark@cerf.science
www.cerf.science
CERF advances the understanding and wise stewardship of estuaries and coasts

Coastal Wetlands Planning, Protection, and Restoration Act
Booth # 211
Contact: Kacie Wright
(337) 266-8626
kmwright@usgs.gov
www.LAcoast.gov
CWPPRA funds design and construction of Louisiana coastal wetland restoration projects.

Ducks Unlimited
Booth # N/A
Contact: Cassidy LeJeune
(337) 408-3288
clejeune@ducks.org
www.ducks.org
World Leader in Wetlands and Waterfowl Conservation

EA Engineering, Science, and Technology, Inc., PBC
Booth # 210
Contact: Sam Whitin, CERP
(401) 465-2549
switin@eaest.com
www.eaest.com
EA is a 100% employee-owned public benefit corporation that provides comprehensive environmental services.

EarthCorps
Booth # 108
Contact: Evlyn Andrade
(206) 420-5654
evlyn@earthcorps.org
www.EarthCorps.org
EarthCorps cultivates leaders and community partnerships to advance environmental justice through environmental restoration

ECO Magazine
Booth # N/A
Contact: Whitney Schwerin
(772) 221-7720
wschwerin@tscstrategic.com
www.ecomagazine.com
A leading international trade publication reporting from the frontlines of ocean science, innovation and exploration

ECONcrete
Booth # 209
Contact: Heather Weitzner
(401) 238-4323
heather@econcrete.us
www.econcrete.us
ECONcrete bio-enhancing concrete technology benefiting marine infrastructure and ecosystems
ecoSPEARS
Booth # 202
Contact: Trevor Ludwig
(407) 792-3400
trevor@ecospears.com
www.ecospears.com
ecoSPEARS helps clients extract and eliminate persistent environmental toxins forever.

Envirolok
Booth # 705
Contact: Eric Seidl
(608) 226-2573
eric.seidl@envirolok.com
www.envirolok.com
Fully-engineered vegetative geobag system design for stabilization of slopes, waterways & shorelines.

Environmental Defense Fund
Booth # 806
Contact: Bobbie Green
(504) 478-3501
bgreen@edf.org
www.edf.org
One of the world’s leading international nonprofit organizations, Environmental Defense Fund creates transformational solutions to the most serious environmental problems.

Environmental Science Associates
Booth # N/A
(415) 896-5900
www.esassoc.com

Federal Highway Administration
Booth # N/A
Contact: Richard Darden
(202) 366-9509
richard.darden@dot.gov
www.environment.fhwa.dot.gov
FHWA’s Office of Project Development and Environmental Review develops and implements programs and activities that accelerate project delivery and improve the environmental review process for FHWA funded projects.

Flexamat (Motz Enterprises, Inc.)
Booth # 308
Contact: John Slupecki
(850) 408-8954
john@flexamat.com
www.flexamat.com
Manufacturer of a vegetated hard armor erosion control mat

Freese & Nichols
Booth # 302
Contact: Ryan Fikes
(361) 443-7397
ryan.fikes@freese.com
www.freese.com
FNI plans, designs and manages sustainable water and infrastructure projects

Galveston Bay Foundation
Booth # 100
Contact: Haille Leija
(281) 332-3381
hleija@galvbay.org
www.galvbay.org
Conservation nonprofit with a mission to preserve and enhance Galveston Bay

Gulf of Mexico Alliance
Booth # N/A
Contact: Becky Ginn
(228) 547-4808
Becky.Ginn@GOMXA.org
www.GulfofMexicoAlliance.org
Building partnerships for a healthier Gulf.

HDR
Booth # 900
Contact: Cameron Perry
(361) 696-3352
cameron.perry@hdrinc.com
www.hdrinc.com/markets/water/water-resource-management
We specialize in engineering, architecture, environmental and construction services.

In-Situ
Booth # 906
Contact: Holly Eschenburg
(970) 498-1500
sales@in-situ.com
www.in-situ.com/us/
Equipment you can rely on. Data you can trust.

Indian River Lagoon Council
Booth # 309
Contact: Duane De Freese
(321) 313-0764
ddfreese@irlcouncil.org
www.onelagoon.org
Indian River Lagoon National Estuary Program

Industrial Fabrics/Premier Concrete Products
Booth # 808
Contact: Tanisha Pena
(225) 907-7116
tpena@ind-fab.com
www.ind-fab.com
Provides site solution products and engineering support.

Island Foundation
Booth # N/A
abogomolni@islandfdn.org
www.islandfdn.org
In Southeastern Massachusetts, Maine, and Rhode Island, the Island Foundation promotes the conservation of marine and coastal resources

J.F. Brennan Company, Inc.
Booth # 201
Contact: Andrew Timmis
(608) 519-5350
atimmis@jfbrennan.com
www.jfbrennan.com
Brennan is a marine construction firm specializing in environmental remediation.

Land Trust Alliance
Booth # 310
Contact: Bethany Roberts
(202) 800-2216
broberts@lta.org
www.landtrustalliance.org
Save land, strengthen communities, create a healthier planet for all

Living Shoreline Solutions, Inc.
Booth # 701
Contact: Scott Bartkowski
(850) 375-6622
sbartkowski@livingshorelinesolutions.com
www.livingshorelinesolutions.com
We site specifically model and engineer shoreline erosion solutions

Lynker
Booth # 604
Contact: Jill Meyer
(206) 422-2731
jmeyer@lynker.com
www.lynker.com
Delivering innovative solutions to support global environmental security
Moffatt & Nichol
Booth # 301
Contact: Johnny Martin
(919) 334-7977
jmartin@moffattnichol.com
www.moffattnichol.com
Leading global infrastructure advisory firm that provides engineering and consulting services

National Association of Conservation Districts
Booth # N/A
Contact: Mariah MacKenzie
(202) 595-9144
Mariah-MacKenzie@nacdnet.org
www.nacdnet.org
NACD represents America’s 3,000 local conservation districts protecting natural resources

National Audubon Society
Booth # N/A
Contact: Brian Moore
(202) 386-1516
BMOORE@AUDUBON.ORG
www.audubon.org
The National Audubon Society is over 100 years old and has more than 2 millions members

National Oceanic and Atmospheric Administration
Booth # 501
Contact: Alison Hammer
(703) 966-6525
alison.hammer@noaa.gov
www.noaa.gov
NOAA protects and restores habitat to sustain fisheries, recover protected species, and maintain resilient coastal ecosystems and communities.

National Parks Conservation Association
Booth # 603
Contact: Sarah Barmeyer
(202) 236-2198
sbarmeyer@npca.org
www.npca.org
Protecting and preserving America’s most iconic, inspirational places for present and future generations

National Sea Grant College Program
Booth # 303
Contact: Amara Davis
(301) 615-1372
amara.davis@noaa.gov
www.seagrant.noaa.gov
Science serving America’s coasts

National Wildlife Federation
Booth # 700
Contact: Amanda Poskaitis
(443) 842-7529
PoskaitisA@nwf.org
www.nwf.org
Uniting all Americans to ensure wildlife thrive in a rapidly changing world

North Carolina Coastal Federation
Booth # 107
Contact: Alyson Flynn
(252) 473-1607
alysonf@nccoast.org
www.nccoast.org
Member supported non-profit working to protect and restore the unique NC coast.

Ocean Conservancy
Booth # 204
Contact: Adam Mistler
(202) 280-6233
amistler@oceanconservancy.org
www.oceanconservancy.org
Ocean Conservancy works to protect the ocean from today’s greatest challenges.

Osprey Initiative
Booth # 307
Contact: Don Bates
(601) 842-7305
don.bates@osprey.world
www.osprey.world
Osprey Initiative, LLC is a specialty environmental contractor bringing tailored solutions to specific environmental needs for our clients.

Pensacola & Perdido Bays Estuary Program
Booth # 809
(850) 595-1479
www.ppbep.org

RBR
Booth # N/A
(618) 599-8900
www.rbr-global.com

Reef Ball Foundation
Booth # 608
Contact: Kathy Kirbo
(706) 714-4399
kathy@reefball.com
www.reefballfoundation.org
The Reef Ball Foundation is an international non-profit foundation whose mission is to rehabilitate and protect our world’s ocean ecosystems through the development and use of ecologically sound-designed reefs and related systems.

RES
Booth # 305
Contact: Katie Fedeli
(617) 785-6943
kfedeli@res.us
www.res.us
Resource Environmental Solutions LLC (RES) is a national operating company focused on restoring a resilient earth for a modern world, project by project.

Restore America’s Estuaries
Booth # 401
Contact: Lance Speidell
(703) 524-0248
lspeidell@estuaries.org
www.estuaries.org
RAE is dedicated to the protection and restoration of bays and estuaries as essential resources for our nation.

Restore the Mississippi River Delta
Booth # 702
Contact: Simone Maloz
smaloz@mississippiriverdelta.org
www.mississippiriverdelta.org
Our mission is to advance an equitable, safer, and flourishing coast for Louisiana’s communities, ecosystems, and economy.

Roscoe Moss Company
Booth # 709
Contact: Henry Hunt
(614) 395-8495
hhunt@roscoemoss.com
www.roscoemoss.com
Manufacturer of well screen & pellet/trash capture devices

Save The Bay - Narragansett Bay
Booth # 102
Contact: Kate McPherson
(401) 272-3540
savebay@savebay.org
www.savebay.org
Working towards a swimmable, fishable, healthy Narragansett Bay, accessible to all.

Save The Bay - San Francisco
Booth # 111
Contact: Jessie Olson
(847) 224-4261
jolson@saveSFbay.org
www.saveSFbay.org
We protect and restore San Francisco Bay for people and wildlife
Exhibitor & Sponsor Information

Alphabetical by Organization

Save the Sound
Booth # 109
Contact: Leah Lopez Schmalz
(203) 787-0646
lschmalz@savethesound.org
www.savethesound.org
We protect & restore the land, air, & water of the Long Island Sound region.

SouthWings
Booth # 602
Contact: Virginia Richard
(504) 291-8787
virginia@southwings.org
www.southwings.org
Supporting ecosystem restoration and protection across the Southeast through flight.

Stantec
Booth # 503
Contact: Carl Ferraro
(504) 581-6900
carl.ferraro@stantec.com
www.stantec.com
Design with community in mind

Storm Water Systems, Inc.
Booth # 400
Contact: Dustin Dunagan
(706) 348-8201
ddunagan@stormwatersystems.com
www.stormwatersystems.com
Trash trap technologies for capturing litter in waterways BEFORE it reaches our oceans.

Tampa Bay Watch
Booth # 104
Contact: Serra Herndon
(727) 867-8166
sherndon@tampabaywatch.org
www.tampabaywatch.org
Non-profit dedicated to community-based restoration & education.

TerraCarbon LLC
Booth # N/A
Contact: Ryan Moyer
(954) 629-2544
ryan.moyer@terracarbon.com
www.terracarbon.com
Advisory firm supporting carbon offset projects to fund natural climate solutions

Tetra Tech
Booth # 406
Contact: Erin Hague
(561) 536-0011
erin.hague@tetratech.com
www.tetratech.com
Tetra Tech is a leading, global provider of consulting and engineering services.

The Curtis & Edith Munson Foundation
Booth # 505
Contact: Angel Braestrup
(202) 887-8992
angel@munsonfdn.org
www.munsonfdn.org
The Foundation’s largest environmental program focuses on Marine Fisheries Conservation.

The Nature Conservancy
Booth # 807
Contact: Alison Bowden
(617) 532-8360
abowden@tnc.org
www.nature.org
The Nature Conservancy is a global environmental nonprofit working to create a world where people and nature can thrive.

The Ocean Foundation
Booth # 408
Contact: Ben Scheelk
(202) 887-8996
bscheelk@oceanfdn.org
www.oceanfdn.org
Supports, strengthens, and promotes organizations reversing destruction of the ocean.

The Pew Charitable Trusts
Booth # 402
Contact: Sylvia Troost
(202) 540-6307
stroost@pewtrusts.org
www.pewtrusts.org/RAE2022
Pew improves public policy, informs the public, and invigorates civic life.

Tulane ByWater Institute
Booth # N/A
Contact: Shelley Meaux
(504) 862-8450
bywater@tulane.edu
www.bywater.tulane.edu
A provider of solutions scholarship for better water and climate futures in New Orleans and around the world.

Tulane Law School
Booth # 800
Contact: David Noble
(504) 323-8042
dnoble1@tulane.edu
www.online.law.tulane.edu
Tulane Law School is the nation’s 12th oldest law school.

U.S. Fish and Wildlife Service Coastal Program
Booth # 801
Contact: John Huffman
(281) 682-3598
john_huffman@fws.gov
www.fws.gov/program/coastal/
Collaborative coastal conservation program that delivers on-the-ground habitat improvement projects

USDA Natural Resources Conservation Service
Booth # 507
Contact: Gene Kim
(202) 779-0054
Gene.W.Kim@usda.gov
www.nrcs.usda.gov
NRCS conservation supports America’s working lands and protects natural resources

Voss Signs
Booth # 607
Contact: Tom Tenerovicz
(315)-682-6418
sales@vosssigns.com
www.VossSigns.com
Signage Manufacturer

Walton Family Foundation
Booth # 908
Contact: Bre’Anna Brooks
(202) 431-1630
bbrooks@wffmail.com
www.waltonfamilyfoundation.org
A family-led foundation with three programs: Education, Environment, Home Region

Woods Hole Group
Booth # 708
Contact: Catherine Morey
(508) 495-6212
cmorey@woodsholegroup.com
www.woodsholegroup.com
International organization focused on Applied Ecology & Sustainability and Coastal Sciences, Engineering & Planning.

YSI/Sontek, Xylem Brands
Booth # 200
Contact: Kyle Waits
(225) 772-0255
kyle.waits@xylem.com
www.ysi.com
Water Monitoring Instrumentation
One-Device Solutions in the Lab and ...

... Underwater

O₂  pH  T

pH (total scale)  ultra-trace O₂  (high speed) O₂

AquapH0x Logger / Transmitter

www.pyroscience.com
Summit Hands-on Restoration Project:

Oyster Shell Recycling and Native Plant Restoration

Hosted by Coalition to Restore Coastal Louisiana

Sunday, 9:00 am - 3:00 pm

Since 2000, the Coalition to Restore Coastal Louisiana has engaged over 17,000 volunteers to enhance 4,500 acres of coastal wetlands, including planting over 1 million native plants and restoring over 7,000 feet of oyster reef habitat.

Join CRCL’s team for a day of giving back by venturing to the CRCL Oyster Shell Recycling Site in Violet, just 25 minutes south of New Orleans. Here you will get an up close and personal look into CRCL’s Oyster Shell Recycling Program by bagging shell that will be deployed in a future living shoreline project. After getting acquainted with the shell pile, embark by airboat to plant native trees along the Violet Canal in support of wetland reforestation and natural hurricane protection. Get your hands and boots dirty to help restore Louisiana’s coast!

Sunday Field Sessions

Pontoon Boat Tour of Manchac Swamp and Surrounding Marshes of Pass Manchac

9:00 am - 3:00 pm
Hosted by Southeastern Louisiana University

Queen Bess Island Restoration and Adaptive Management

9:00 am - 3:00 pm
Hosted by LDWF, CPRA, Coalition to Restore Coastal Louisiana

Maurepas Swamp Kayak Tour

9:00 am - 3:00 pm
Hosted by Lost Lands Tours

LSU Center for River Studies and Bonnet Carre Spillway Tour

9:30 am - 4:00 pm
Hosted by Restore the Mississippi River Delta, LSU, CPRA, and U.S. Army Corps of Engineers

Large-Scale Upper Barataria Marsh Creation

10:00 am - 3:00 pm
Hosted by Restore the Mississippi River Delta, Weeks Marine, Inc., and NOAA

Bayou St. John Kayak Tour

10:00 am - 2:00 pm
Hosted by Kayak-it-Yat
Workshops & Trainings

Diving into the Digital Coast - Nature-based Solutions and Coastal Inundation Risk Information

**Sunday, 9:00 am – Noon**  
*Parish Room*

*Pre-registration is required; $30*

Designed for natural resource managers, local planners, and other coastal decision-makers, this 3-hour session will highlight Digital Coast resources that can help you assess your coastal inundation risk and identify appropriate nature-based solutions for coastal hazards. You'll learn how to find the applicable resources and how to use selected web-based tools, data sets, and learning products to help you address resilience in your community. Digital Coast resources include products and services from numerous vetted sources, including NOAA.

Diving into the Digital Coast - Funding and Financing Resilience

**Sunday, 1:30 pm – 4:30 pm**  
*Parish Room*

*Pre-registration is required; $30*

Designed for natural resource managers, local planners, and other coastal decision-makers, this 3-hour session will highlight Digital Coast resources applicable to economic analyses and to funding and financing resilience. You'll learn where to find helpful Digital Coast resources and how to obtain and apply information from selected web-based tools, data sets, and learning products. The goal: to help you access data on the coastal and marine economy, know how to learn about different economic valuation analysis approaches, and better understand funding and financing options to support your resilience efforts. Digital Coast resources include products and services from numerous vetted sources, including NOAA.

Using the Power of Media to Share Your Coastal Stories

**Sunday, 1:00 pm – 4:00 pm**  
*Fulton Room*

*Pre-registration is required; $75*

In this dynamic, interactive workshop you will learn journalistic techniques to turn your coastal and conservation issues into popular stories and pitches to engage a broad audience. You will join in a “Pitch Slam” to make story “pitches” to panelists as if they were media gatekeepers: magazine editors, journalists, bloggers, and documentary producers – which they are or have been. You will get feedback, takeaways, and opportunities to develop your story-telling abilities.

The trainers are: Blue Frontier’s Executive Director David Helvarg, a long-time award-winning journalist, author of six books, and host of the Rising Tide Ocean Podcast; Blue Frontier’s Senior Communications Advisor Eleanor (Elli) Kerlow, a lawyer, former journalist, and award-winning public relations professional, and 3-time Pulitzer Prize winning local journalist, Mark Schleifstein.

Summit 101: Summit Overview, Q&A Session

**Sunday 4:00 pm – 4:45 pm**  
*Canal Room*

*Free*

Join RAE staff for an overview of the Summit, advice for planning your experience, and time to answer any questions you have about the experience. We look forward to meeting you!
Monday Plenary

Monday, 8:30 am – 10:30 am | Grand Ballroom

Welcome Remarks:
Daniel Hayden, President and CEO – Restore America’s Estuaries
Kimberly Davis Reyher, Executive Director – Coalition to Restore Coastal Louisiana

From local activists to state and federal policy makers, our Monday Plenary highlights the voices, ideas, and ambitions that make coastal communities in the Gulf of Mexico so dynamic and resilient while also shining light on the comprehensive benefits of resilient coastal ecosystems for lives and livelihoods.

Governor John Bel Edwards

John Bel Edwards is the 56th governor of Louisiana, serving since 2016. As the son of a sheriff and charity hospital nurse, John Bel Edwards understood the importance of serving others from an early age. From his service as an active-duty Airborne Ranger in the U.S. Army to his time in the Louisiana House of Representatives, Gov. Edwards has always put people first.

After commanding a parachute infantry regiment in the 82nd airborne, Gov. Edwards retired from the Army with the rank of captain. He moved back home and earned a law degree from Louisiana State University before opening a civil law practice in his hometown of Amite. In 2008, the people of House District 72 elected him to the Louisiana House of Representatives, where he represented the people of Amite, Greensburg, Kentwood and Hammond for eight years before being elected governor in November 2015.

In 2020 Governor John Bel Edwards issued an executive order on climate change, committing the state to net zero greenhouse gas emissions by 2050. This executive order also establishes a new Climate Initiatives Task Force to recommend pathways for reaching the state's emissions goals, which includes diverse representation across sectors — including a member from an environmental justice community and a member from an Indigenous tribe, nation or community.

He earned his BS from the United States Military Academy and JD from Louisiana State University. He and the first lady married in 1989. They have three children: Samantha Bel, Sarah Ellen and John Miller.

Representative Garret Graves

Congressman Garret Graves represents Louisiana’s Sixth Congressional District in the United States House of Representatives. Representative Graves is the Ranking Member for the House Transportation and Infrastructure Subcommittee on Aviation and is the Ranking Member for the Select Committee on the Climate Crisis. He also serves on the House Natural Resources Committee.

Last Congress, Graves was also a member of the Subcommittee on Water Resources and Environment, which is instrumental in the development, passage and enactment of a range of policy wins on rivers, levees, flood protection, coastal issues and Corps of Engineers reforms. He has brought about critical upgrades to federal disaster response and recovery programs, streamlining FEMA operations, creating faster recoveries, and helping make communities across the nation more resilient to disaster.

Garret is a native of Baton Rouge, Louisiana, where he resides with his wife Carissa and their three children.
Janet Coit – Assistant Administrator for NOAA Fisheries and the Acting Assistant Secretary for the Department of Commerce

Janet Coit was named the Assistant Administrator for NOAA Fisheries and the Acting Assistant Administrator for NOAA in June 2021. She has worked on environmental issues, natural resource management, and stewardship for more than 30 years. She directed the Rhode Island Department of Environmental Management for more than 10 years, where she focused on improving natural resource conservation, promoting locally grown food, including seafood, and addressing the climate crisis.

Before joining Rhode Island DEM in 2011, Coit was the state director for The Nature Conservancy in Rhode Island for 10 years. Prior to that, she was counsel and environmental coordinator in the Providence office of the late Senator John Chafee and, subsequently, then-Senator Lincoln Chafee. Coit also served as counsel to the U.S. Senate Committee on the Environment and Public Works, where she advised on national environmental policy.

Coit is a magna cum laude graduate of Dartmouth College. She holds a law degree from Stanford Law School, where she was president of the Environmental Law Society and a member of the Environmental Law Journal.

Sharon Lavigne – Founder & CEO, RISE St. James

Sharon Lavigne is native to St. James, Louisiana, a small town along the Mississippi River. Growing up, Sharon lived off the land. Sharon was a Special Education teacher for 38 years in the St. James Parish school system. In 2018, Sharon founded RISE St. James, a faith-based, grassroots, nonprofit organization fighting for clean air and water as well as the eradication and expansion of petrochemical industries in St. James Parish. She hosted the first meeting in her den with approximately 10 individuals present. Shortly after, Sharon retired to dedicate herself full-time to the fight for environmental justice. Ms. Lavigne has adopted the mantra “To love a community is to find ways to heal the community.”

In June 2021, Sharon was awarded the prestigious Goldman Environmental Prize for environmental activism in her community. In February 2022 Lavigne received the Mary Magdalene Award for Courageous Women of Faith from the Church of St. Ignatius Loyola, in New York City. Most recently, Lavigne received Notre Dame's 2022 Laetare Medal, the most prestigious honor given to an American Catholic layperson. Sharon is a mother of six and a proud grandmother of 12. She is blessed to have her family's support in protecting the environment and the eradication of air, water, and land pollution in majority Black communities.

Presentation of the Nancy Foster Conservation Award

Presented by Carrie Selberg Robinson, Director, Office of Habitat Conservation, NOAA Fisheries

Carrie Selberg Robinson is the Director of the Office of Habitat Conservation within NOAA Fisheries and has been in this role since 2020. She served as Deputy Director from 2015-2020. Previously, she was the NOAA Fisheries Chief of Staff and worked at the Atlantic States Marine Fisheries Commission. She participated in NOAA's Leadership Development Competencies Program and the National Conservation Leadership Institute. Carrie has a degree in Environmental Studies from Connecticut College and a Masters in Environmental Management from Duke University.

Carrie Selberg Robinson will be presenting the Dr. Nancy Foster Habitat Conservation Award. NOAA established this award in 1997 to honor Dr. Foster's legacy and long-term contributions to protect and restore coastal and marine habitats through her leadership in NOAA. This award recognizes those who exemplify her passion and dedication to coastal stewardship. Past winners of this prestigious national award have shown extraordinary commitment, innovation, and excellence in coastal and marine habitat protection, restoration, education, or research. Please join NOAA in celebrating the achievements of this year's winner.
### Concurrent Sessions 1
**Monday, December 5 | 11:00 am – 12:30 pm**

<table>
<thead>
<tr>
<th><strong>Jefferson</strong></th>
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<tbody>
<tr>
<td>&quot;The center of all good things&quot;: Indigenous Leadership and Partnerships in Estuary Stewardship</td>
<td>Choosing Words, Film, Videos, and Art that Engage Coastal Communities</td>
<td>Planning for the Future of Coastal Louisiana: Developing the 2023 Coastal Master Plan</td>
<td>Disaster Planning, Response and Recovery</td>
<td>Coastal Habitat Restoration</td>
</tr>
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**MODERATOR:**
- Deanna Erickson
  - Lake Superior National Estuarine Research Reserve

**Details**
- **Community, State, and Federal Partnership: The Three Pillars of a More Stable Form of Co-Management**
  - Kawika Winter
    - Heri’iua National Estuarine Research Reserve; Hawai’i Institute of Marine Biology
  - Ojibwe Stewardship of Chi-Gami Ziibi, the St. Louis River
  - Thomas Howes
    - Fond du Lac Band of Lake Superior Chippewa

- **The Role and Importance of Culturally Significant Species in Restoration Projects**
  - Alice Yeates
    - South Slough National Estuarine Research Reserve
  - Ashley Russell
    - Confederated Tribes of Coos, Lower Umpqua, Siuslaw
  - Tehani Malterre
    - University of Hawai’i at Manoa; NOAA EPP/MSI

- **Using Data Collection to Support Tribal Relationship Building and Co-Management Decision Making**
  - Jen Ballinger
    - USDA Forest Service
  - Co-Managers in the Restoration and Protection of Puget Sound
  - Lea Anne Burke
    - Tribal Liaison, Puget Sound Partnership

- **Birds of America: How Birds Save Us**
  - Matt Aeberhard
    - Wildlife Cinematographer
  - Reaching Everyday Citizens through Video and Social Media
  - Jace Tunnell
    - Mission Aransas National Estuarine Research Reserve

- **Water Words that Work 2022**
  - Eric Erckl
    - Water Words That Work, LLC
  - Creating Art with Inspiration from the Natural World
  - Aysha Gray
    - Grand Bay Reserve

- **Predictive Landscape Modeling for Coastal Planning using the Integrated Compartment Model (ICM)**
  - Eric White
    - Louisiana Coastal Protection and Restoration Authority
  - Uncertainty, Scenarios, and Projections of Landscape Change
  - Shu Brown
    - Louisiana Coastal Protection and Restoration Authority

- **Engaging Stakeholders to Develop Restoration Project Concepts**
  - Ashley Cobb
    - Louisiana Coastal Protection and Restoration Authority

- **Predictive Modeling of Wetlands, Vegetation, and Soils in Coastal Louisiana**
  - Madeline Foster-Martinez
    - University of New Orleans

- **Evaluating Restoration Project Impacts on Coastal Louisiana Habitat Suitability Indices**
  - Laura D’Acunto
    - U.S. Geological Survey

- **Evaluating the Impact of Inter-Tidal Wetlands on Storm Surge Flooding and Damages in Galveston Bay: Case Study of Hurricane Ike**
  - Zaid Al-Attabi
    - Department of Coastal Studies/ East Carolina University/Coastal Studies Institute

- **Louisiana Sea Grant Hurricane Ida Response: A Community Approach**
  - Melissa Daigle
    - Louisiana Sea Grant

- **Barge Recovery and Barrier Island Restoration, San Jose Island, Aransas County, Texas**
  - Sara Flaherty
    - Anchor QEA

- **Coastal Habitat Restoration**
  - MODERATOR:
    - David Lewis
    - Save The Bay - San Francisco

- **Estuarine Rookery Islands: Habitat Loss and Restoration/ Creation Challenges**
  - Cameron Perry
    - HDR

- **Kelp Forest Restoration and Conservation in Puget Sound: Building Momentum, Re-Growing Forests, and Planning for Action**
  - Jodie Toft
    - Puget Sound Restoration Fund

- **Nueces Bay Rookery Islands: Habitat Restoration and Monitoring**
  - Rosario Martinez
    - Coastal Bend Bays & Estuaries Program

- **Seagrass Habitat Restoration in the West Bay, St. Andrew Bay, Florida**
  - Becca Hatchell
    - Florida Fish and Wildlife Conservation Commission

- **Rebuilding a Collapsed Hard Clam (Mercenaria mercenaria) Population, Restoring Seagrass Meadows, and Eradicating Harmful Algal Blooms in a Temperate Lagoon using Spawner Sanctuaries**
  - Michael Doall
    - School of Marine & Atmospheric Sciences, Stony Brook University
### Concurrent Sessions 1

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<tr>
<td><strong>Pursuing Blue Carbon:</strong> How Climate Mitigation Values are Driving Coastal Wetland Mapping, Science and Restoration Projects in the US</td>
<td><strong>Preparing for Your DEJ Initiative</strong></td>
<td><strong>Outreach and Social Marketing</strong></td>
<td><strong>Collaborating on Wetland Restoration - Performance Metrics to Adaptive Management in Action!</strong></td>
<td><strong>Design and Development of Living Shorelines</strong></td>
<td>Remote Session 1</td>
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<tr>
<td>- MODERATOR: Mariah Davis</td>
<td>- MODERATOR: Elsa Schwartz</td>
<td>- MODERATOR: Donna Ball</td>
<td>- MODERATOR: Peter Clark</td>
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<td>NWF/Choose Choose Clean Water Coalition</td>
<td>Restore America’s Estuaries</td>
<td>San Francisco Estuary Institute</td>
<td>Tampa Bay Watch</td>
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**Understanding Seagrass Carbon Variability in the Port of San Diego**  
Lindsey Sheehan  
Environmental Science Associates

**Assessing Blue Carbon Market Potential in Texas**  
Lauren Williams  
The Nature Conservancy

**Mapping Blue Carbon and SLR in US Climate Alliance States**  
Katie Warmell  
Duke University

**Utilizing Blue Carbon to Support Coastal Wetland Restoration in Maryland**  
Elliott Campbell  
Maryland Department of Natural Resources

**Blue Carbon Offsets from Seagrass Restoration in Virginia**  
Jill Bieri  
The Nature Conservancy

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**The workshop will leverage the readiness tool created by the Choose Clean Water Coalition to create an interactive workshop. The contents will include:**  
- Overview of DEJ  
- Overview of the Tool  
- Breakout groups to discuss individual sections  
- Report out on lessons learned  
- Creating DEJ partners for post-event support

**Using Social Marketing to Improve Shoreline Management**  
Rachel Felver  
Alliance for the Chesapeake Bay

**Climate Education and Outreach for Sportsmen and Women**  
Tiffiny Turner  
Theodore Roosevelt Conservation Partnership

**Increasing Public Awareness and Action in the Gulf of Mexico Region using Social Media Messaging**  
Christina Mohrman  
Gulf of Mexico Alliance

**A Social Marketing Campaign to Reduce Sanitary Sewer Overflows in Tampa Bay**  
Joe Whalen  
Tampa Bay Estuary Program

**Coastal Restoration Toolkit - An Online Resource to Launch a Restoration Project in Your Community**  
Elsa Schwartz  
Restore America’s Estuaries

**Using Social Marketing to Improve Shoreline Management**  
Rachel Felver  
Alliance for the Chesapeake Bay

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Joe Whalen  
Tampa Bay Estuary Program

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**The WRMP Science Framework and Monitoring Network**  
Donna Ball  
San Francisco Estuary Institute

**Connecting People and Wetlands through Collaborative Science**  
Alex Thomsen  
San Francisco Estuary Partnership

**Innovative Funding and Regulatory Partnerships in the WRMP**  
Luisa Valiela  
U.S. Environmental Protection Agency

**Finding One Voice: Aligning Indicators Across Various Regional Initiatives to Generate Unified Messaging about Estuarine Health**  
Lelia Grenier  
San Francisco Estuary Institute

**More Funding, More Projects: Generating a Local Funding Source to Expand the Diversity and Scope of Community-Based Habitat Restoration Projects in the SF Bay**  
Jessie Olson  
Save The Bay - San Francisco

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**South Sound Clean Water Partners: A Coalition Approach to Recovering Shellfish**  
Barbara Ann Smolko  
Pierce County

**A Rising Tide? The Role of Social Networks for Women Oyster Farmers in Maine and New Hampshire**  
Natalie Lord  
University of New Hampshire

**Salt Marsh Climate Adaptation: Using Runnels to Adapt to Accelerating Sea Level Rise within a Drowning New England Salt Marsh**  
Danielle Perry  
Moss Audubon

**Nature-Based Coastal Resilience and Insurance: Protecting Nature to Protect People**  
Eric Roberts  
The Nature Conservancy

**Transforming Restoration Science: Multiple Knowledges and Community Research Co-generation in the Klamath and Duwamish Rivers**  
James Lee  
University of Washington
## Concurrent Sessions 2
**Monday, December 5 | 2:00 pm – 3:30 pm**

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<tr>
<th>Session</th>
<th>Jefferson</th>
<th>Jackson</th>
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</thead>
</table>
| **MODERATORS:** | Robert M. Baron  
Tetra Tech, Inc. | Margherita Pryor  
U.S. Environmental Protection Agency, Region 1 | Sarah McEwen  
AEON | Matt Chasse  
NOAA Office for Coastal Management | Phyllis Klarmann  
South Florida Water Management District |
| **PANELISTS:** | Roberta Swann  
Mobile Bay National Estuary Program | Patrick Forbes  
Louisiana Office of Community Development | Amanda Kahn  
South Florida Water Management District | --- | --- |
| | Kathy Hill  
Indian River Lagoon National Estuary Program | Billy Williamson  
Louisiana Department of Transportation and Development | Keith Laakkonen  
Florida Department of Environmental Protection, Office of Resilience and Coastal Protection | --- | --- |
| | Pam Dilts  
Mass Estuaries National Estuary Partnership | Aligning State Agencies with the Louisiana Watershed Initiative | Rebuilding Animal Rehab Facilities with Resilience in Mind | --- | --- |
| | Mark Tedesco  
Long Island Sound Study | Jeffrey Giering  
Governor's Office of Homeland Security and Emergency Preparedness | Jace Tunnell  
University of Texas Marine Science Institute | --- | --- |
| | Roman Jesien  
Maryland Coastal Bays Program | A Regional Perspective on the Louisiana Watershed Initiative | Improving Operational Resilience | --- | --- |
| | Laura Blackmore  
Puget Sound Partnership | Patrick Gordon  
South Central Planning and Development Commission | Keith Laakkonen  
Florida Department of Environmental Protection, Office of Resilience and Coastal Protection | --- | --- |
| | Anna Fagan  
Delaware Center for the Inland Bays | Technical Assistance: Getting It Done | Developing the Next Generation of Disaster Resilience Plans for Research Reserves | --- | --- |
| | | Dean Audet  
Fuss & O'Neill | Bree Turner  
NOAA’s Office for Coastal Management | --- | --- |
| | | | Implementing a National Disaster Response and Recovery Framework | --- | --- |
| | | | Matt Chasse  
NOAA’s Office for Coastal Management | --- | --- |
| | | | | --- | --- |

### Details

**Overview of SNEP Pipeline**
- Roberta Swann  
Mobile Bay National Estuary Program
- Margherita Pryor  
U.S. Environmental Protection Agency, Region 1
- Overview: Getting It Done
- Elizabeth Scott  
SNEP Network

**Pipeline Overview: SNEP Network**
- Phaeng Southcombach  
Environmental Finance Center, University of Southern Maine, SNEP Network
- Pipeline Overview: SNEP Watershed Implementation Grants
- Tom Ardisio  
Restore America’s Estuaries

**Introducing the Louisiana Watershed Initiative**
- Patrick Forbes  
Louisiana Office of Community Development
- Watershed Modeling in Louisiana
- Billy Williamson  
Louisiana Department of Transportation and Development

**Aligning State Agencies with the Louisiana Watershed Initiative**
- Jeffrey Giering  
Governor’s Office of Homeland Security and Emergency Preparedness

**A Regional Perspective on the Louisiana Watershed Initiative**
- Patrick Gordon  
South Central Planning and Development Commission

**Hurricane Recovery and Resilience using a Collaborative Approach**
- Keith Laakkonen  
Florida Department of Environmental Protection, Office of Resilience and Coastal Protection

**Improving Operational Resilience**
- Keith Laakkonen  
Florida Department of Environmental Protection, Office of Resilience and Coastal Protection

**Developing the Next Generation of Disaster Resilience Plans for Research Reserves**
- Bree Turner  
NOAA’s Office for Coastal Management

**An Overview of Science Application in Large-Scale Restoration: the Comprehensive Everglades Restoration Plan**
- Amanda Kahn  
South Florida Water Management District

**Conceptual Ecological Model Development to Address Restoration Uncertainties and Guide Monitoring**
- Stephanie Verhulst  
U.S. Army Corps of Engineers

**Assessing Ecological Indicator Responses to Hydrologic Restoration in the Northern Estuaries**
- Elizabeth Salewski  
South Florida Water Management District

**Coastal Resiliency in the Biscayne Bay Southeastern Everglades Ecosystem Restoration Project**
- Fred Sklar  
South Florida Water Management District

**Linking Everglades Restoration to Southwest Florida: A New Focus Area for RECOVER**
- Rodrigo Sedeno  
U.S. Army Corps of Engineers
## Concurrent Sessions 2
### Monday, December 5 | 2:00 pm – 3:30 pm

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<tr>
<td>Learnings from Mangrove Restoration in Senegal as a Blue Carbon Project</td>
<td>The Unified Water Study (UWS): Filling in the Margins of Long Island Sound (LIS)</td>
<td>Lessons Learned from 9 Years of Managing All Phases of a $31M Urban Floodplain Restoration Project</td>
<td>Planning and Monitoring a Pilot Living Shoreline: Setting Up 7 Years of Learning</td>
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<tr>
<td>Jessica Hinojosa</td>
<td>Peter Linderoth Director of Water Quality, Save the Sound</td>
<td>Chris Collins Lower Columbia Estuary Partnership</td>
<td>Adrianna Zito-Livingston The Nature Conservancy</td>
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<td>Shell International Exploration and Production</td>
<td>Conservation Planning for New York’s Long Island Sound Tidal Marsh Complexes using SLAMM</td>
<td>Integrating Climate Change Considerations into Specific Design Elements of the Project’s Stream, Floodplain, and Levee Features</td>
<td>Observations of Wave Amplification at Gandys Beach, New Jersey</td>
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<td>Lydia Smith Vaughn</td>
<td>Victoria O’Neill Division of Marine Resources, New York State Department of Environmental Conservation/NEIWPCC</td>
<td>Curtis Loeb Wolf Water Resources, Inc.</td>
<td>Amy Bredes Stevens Institute of Technology</td>
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<tr>
<td>San Francisco Estuary Institute</td>
<td>James Ammerman Division of Marine Resources, New York State Department of Environmental Conservation/NEIWPCC</td>
<td>Darlene Siegel Wolf Water Resources, Inc.</td>
<td>Elevation and Vegetation Cover Dynamics at the Gandys Beach Living Shoreline</td>
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<td>Adam Reilly U.S. Environmental Protection Agency</td>
<td>James O’Donnell Department of Marine Sciences, University of Connecticut</td>
<td>Wade Osborne Cornforth Consultants, Inc.</td>
<td>Documenting Shellfish Colonization and Fish Community Assemblage at the Gandys’ Beach Preserve</td>
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<td>Keeping the Estuary Restoration Programs Accountable through Effective Tracking and Reporting Tools</td>
<td>Decarbonizing Stream Restoration and the Fuel Efficiency of the River Machine</td>
<td>Jenny Shinn Rutgers University</td>
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<td>Cayla Sullivan Long Island Sound Office, U.S. EPA Region 2</td>
<td>Jared McKee U.S. Fish and Wildlife Service</td>
<td>Lessons Learned and Applicability of Gandys Beach Monitoring for Policy and Future Implementation of Nature-Based Solutions</td>
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<td>Communicating Long Island Sound Science, Restoration and Resilience Needs</td>
<td>Predicting the Future of Steigerwald: Innovative and Cost-Effective Approaches to Large-Scale Floodplain Monitoring</td>
<td>Danielle McCulloch U.S. Fish and Wildlife Service</td>
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<td>Nancy Seligson New York Co-chair, LSS Citizens Advisory Committee; former Supervisor of the Town of Mamaroneck and former Co-chair of Sustainable Westchester</td>
<td>Sarah Kidd Lower Columbia Estuary Partnership</td>
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Concurrent Sessions 3
Monday, December 5 | 4:00 pm – 5:30 pm

**Jefferson**
- **Implementing ILJA: Opportunities, Uncertainties and Challenges for Coastal Communities in Implementation of the Infrastructure Investment and Jobs Act**
  - **MODERATOR:**
  - **Jessie Ritter**
  - **National Wildlife Federation**

**Jackson**
- **Compensatory Mitigation on Subaqueous State-Owned Lands**
  - **MODERATOR:**
  - **Katherine Sheppard**
  - **NOAA Fisheries, Office of Habitat Conservation**

**Magazine**
- **No Place Like Home: Preparing for and Managing Retreat From and Within Coastal and Riverine Communities**
  - **MODERATOR:**
  - **Annie Bennet**
  - **Georgetown University**

**Royal**
- **Financing Coastal Restoration and Resilience**
  - **MODERATOR:**
  - **Chris Dalbom**
  - **Tulane Institute on Water Resources Law & Policy**

**Commerce**
- **Showcasing the NEP Coastal Watersheds Grant Program: Successes, Lessons Learned...and What’s Next!**
  - **MODERATOR:**
  - **Suzanne Simon**
  - **Stantec Consulting Services Inc.**

**Canal**
- **Carbon Credits as a Mechanism to Fund Coastal Restoration Projects**
  - **MODERATOR:**
  - **John Montgomery**
  - **Stantec Consulting Services Inc.**

**COPELANDS:**
- **Susan-Marie Stedman**
  - **NOA Fisheries, Office of Habitat Conservation**
- **Melody Rudenko**
  - **Oregon Department of State Lands**
- **Blake Helm**
  - **Oregon Department of State Lands**
- **Aisling O’Shea**
  - **Massachusetts Department of Fish and Game**
- **Bryant Chesney**
  - **NOA Fisheries, West Coast Region**
- **Rachelle Sanderson**
  - **Capital Region Planning Commission**
- **Angela Chalk**
  - **Healthy Community Services**
- **Nichelle Taylor**
  - **Greater New Orleans Housing Alliance**
- **Tara Lambeth**
  - **St. John the Baptist Parish**
- **Rachael Franks Taylor**
  - **NOAA // CSS**
- **Jackie Specht**
  - **The Nature Conservancy**
- **Environmental Economics and Climate Justice in Coastal Management Decisions in Australia and the US**
- **Dave Anning**
  - **Integral Consulting Inc.**
- **The Economic Value of America’s Estuaries**
  - **Tracy Rouleau**
  - **TBD Economics, LLC**
- **A Path to More Equitable Adaptation Funding**
- **Lagniappe for the Working Coast: Reducing Flood Risk and Protecting Sacred Sites and Tribal Communities’ Resilience by Strengthening Louisiana’s Marshes**
- **Elder Rosina Phillippe**
  - **Grand Bayou Atokoba-Ishak/Chawasha**
- **Optimizing and Expanding the Impact of Nitrogen-Reducing Septic Systems**
  - **Joseph Brennan**
  - **Buzzard’s Bay Coalition**
- **Coastal Louisiana Carbon Sequestration Banks**
  - **Beaux Jones**
    - **The Water Institute of the Gulf**
- **Mid Breton Sediment Diversion Project**
  - **Scott Peyton**
    - **Stantec Consulting Services Inc.**
- **Carbon Sequestration Priorities of Oil and Gas Industry**
  - **Cas Bridge**
  - **Chevron**
- **Academic Priorities Related to Quantification and Protocol Development for Coastal Wetlands as Carbon Banks**
  - **Z. George Xue**
    - **Louisiana State University**
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<td>Incorporating DEI Principles in Science and the Community of Practice</td>
<td>Using Art to Explore Your Coastal Climate Landscape</td>
<td>Collaboration and Community Engagement</td>
<td>Case Studies of Large-Scale Coastal Restoration from around the US</td>
<td>Living Shoreline Case Studies from across the US</td>
<td>Managing and Monitoring Mangrove Habitats in the National Estuarine Research Reserve System</td>
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**Session:**

**Monday, December 5 | 4:00 pm – 5:30 pm**

**Learning as We Go: Developing an Environmental Justice Work Plan for the Long Island Sound Study Estuary Program**

Jimena Perez-Viscasillas

New York Sea Grant

**Mindset and Principles for Inclusive Collaborative Science**

Doug George

Office for Coastal Management, National Oceanic and Atmospheric Administration

**Building Diverse, Equitable, and Inclusive Participation in the Gulf of Mexico Climate & Resilience Community of Practice (CoP)**

Niki Pace

Louisiana Sea Grant/LSU

**Putting Justice on the Map: Lessons Learned from the Development of Environmental Justice Mapping Tools**

Claire McGlinchey

University of New Hampshire

**Join us for a reflective and exploratory session where we infuse some artistic expression into our coastal and estuarine work.**

We will start by discussing why art is an important tool in decolonizing our coastal management and adaptation work. Then we will work on expanding our definition of art as multiple ways of expressing the intangible (looking beyond the traditional practices like drawing, sketching, etc.)

Finally, we will put pens to paper. Participants will be given different options for combining art with coastal information gathering, and we will get to choose and tailor the one that works best for them. Depending on audience interest, we might even have a micro-display at the poster session!

**PRESENTERS:**

- Vidya Balasubramanyam Coastal States Organization
- AECOM
- NOAA Sea Grant/LSU

**Mental and Physical Dimensions of Coastal Management**

Thea Wright

University of New Mexico

**A Climate Change Adaptation Decision Process: A Focus Group Exploration**

Deborah Buikstra

Texas A&M University

**Using Art to Explore Your Coastal Climate Landscape**

Vidya Balasubramanyam

Coastal States Organization

**Climax Thinking on the Coast: A Focus Group Priming Experiment with Coastal Property Owners about Nature-Based Adaptation**

Kate Sherren

Dalhousie University

**Living Local: An Agricultural Education Project for Students and the Community**

Chandler Joiner

Maryland Coastal Bays Program

**Synergistic Collaboration to Enhance Compliance in California’s Estuarine Marine Protected Areas**

Aubrie Fowler

MPA Collaborative Network

**Using Data Collection for Public Engagement and Advocacy**

Toni Rose Tablante

American Littoral Society

**#AskAScientist: Opening Scientific Dialogue to the Public Using Social Media**

Diana Fu

San Francisco Estuary Partnership

**Large-Scale Restoration of Coastal Louisiana Wetlands through Canal Backfilling**

Brendan Brown

CDM Smith

**The Squamish Central Estuary Restoration Project**

Murray Manson

Fisheries and Oceans Canada

**The Tampa Bay Problem Child: Old Tampa Bay’s Current Restoration Efforts that will Address Pyrodinium Bahamense Bloom Dynamics**

Edward Sherwood

Tampa Bay Estuary Program

**The Robinson Preserve Expansion Habitat Restoration Project: Restoring a Degraded Landscape to a Mosaic of Estuarine and Native Uplands with Recreational Values and a Focus on Creating Juvenile Fish Habitat**

Damon Moore

Environmental Science Associates

**Angola by the Bay Living Shoreline and Management Plan**

Bob Collins

Delaware Center for the Inland Bays

**A Living Shoreline Solution for Coastal Erosion and Habitat Preservation at the Hepburn Preserve, Fenwick CT**

Stephen Lecco

GZA GeoEnvironmental

**Evidence for Small-Scale Living Shoreline Viability in Galveston Bay, Texas**

Jim Dobberstine

Lee College and the University of Houston-Clear Lake

**Managing and Monitoring Mangrove Habitats in Post-Freeze Texas**

Katie Swanson

University of Texas Marine Science Institute

**Removing Mangroves to Restore Native Hawaiian Landscapes**

Kawika Winter

Hawai‘i Institute of Marine Biology

**Recovery of Mangrove Habitats in Post-Freeze Texas**

Katie Swanson

University of Texas Marine Science Institute

**Restoring Mangroves at Fruit Farm Creek**

Jeffrey Carter

Florida Department of Environmental Protection, Office of Resilience and Coastal Protection

**Understanding the Landscape Scale Implications of Mangrove Expansion in Apalachicola**

Caitlin Snyder

Florida Department of Environmental Protection, Office of Resilience and Coastal Protection

**Recovery of Mangrove Habitats in Post-Freeze Texas**

Katie Swanson

University of Texas Marine Science Institute

**Removing Mangroves to Restore Native Hawaiian Landscapes**

Kawika Winter

Hawai‘i Institute of Marine Biology
## Concurrent Sessions 4

**Tuesday, December 6 | 8:30 am – 10:00 am**

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<td>Reflecting on the Past and Envisioning the Future of Coastal Zone Management</td>
<td>Working Toward More Effective Oyster Restoration in the Gulf of Mexico</td>
<td>Restoration along the Gulf Coast</td>
<td>Natural Resource Restoration the Gulf of Mexico Resulting from the Deepwater Horizon Oil Spill (DWH NRDA Track)</td>
<td>Great Meadows Marsh Restoration: A Case Study of a Large-scale Saltmarsh and Coastal Resilience Project</td>
<td>From Idea to Reality: The Journey, Lessons Learned, and Status of the Three Florida Panhandle Estuary Programs</td>
</tr>
<tr>
<td><strong>MODERATOR:</strong> Vidya Balasubramanyam Coastal States Organization</td>
<td><strong>MODERATOR:</strong> Braxton Davis National Parks Conservation Association</td>
<td><strong>MODERATOR:</strong> Seth Blitch The Nature Conservancy</td>
<td><strong>MODERATOR:</strong> Sarah Barmeyer National Parks Conservation Association</td>
<td><strong>MODERATOR:</strong> James Turek NOAA Office of Habitat Conservation, Restoration Center</td>
<td><strong>MODERATOR:</strong> Anne Birk The Nature Conservancy</td>
</tr>
</tbody>
</table>

**PANELISTS:**
- Vidya Balasubramanyam Coastal States Organization
- Braxton Davis National Parks Conservation Association
- Kathleen Leyden Director, Maine Coastal Program Maine Department of Marine Resources
- Derek Brockbank Coastal States Organization
- Sandra Brooke Florida State University Coastal and Marine Lab
- Ryan Bradley Mississippi Commercial Fisheries United, Inc.
- Brady Carter Office of Fisheries, Louisiana Department of Wildlife and Fisheries
- Jason Hermann Alabama Department of Conservation and Natural Resources
- Seth Blitch The Nature Conservancy - Louisiana
- Jennifer Pollack Harte Research Institute for Gulf of Mexico Studies (TAMU) Corpus Christi
- Megan La Peyre U.S. Geological Society / Louisiana State University
- Lawrence Malvizi Ramboll
- Combining Environmental Restoration and Economic Revitalization to Make Resilient Gulf Coast Communities
- Meg Hoecker Moffatt & Nichol
- John Ettinger Gulf Coast Ecosystem Council (RESTORE Council)

North Breton Island Reconstruction: An Example of a Successful Coastal Engineering and Restoration Project to Settle Natural Resource Damages

**PANELISTS:**
- Joan Garland Mission-Aransas National Laboratory
- Sherry Wade Texas A&M University
- Brian Underwood U.S. Army Corps of Engineers
- Mark Eshelby United States Geological Survey
- Tiffany Mucknair University of Southern Mississippi
- Rob Hare Chase Foundation
- Louisa Herring Nature Conservancy - Louisiana
- Anna Maloney U.S. Fish and Wildlife Service
- Paul Dugan Louisiana State University
- Janna Doughty Texas A&M University
- Morgan Lott Mississippi State University
- Zachary Carmichael Louisiana State University
- Kari Kaminski University of Southern Mississippi
- Brian McCree Louisiana Sea Grant
- Sue Kommer Missouri State University
- Joseph Capo University of Southern Mississippi
- Joe Rivas Louisiana State University

**MODERATOR:** Seth Blitch The Nature Conservancy

**Gulf Environmental Benefit Fund**

Jonathan Porterhouse National Fish and Wildlife Foundation-Gulf Environmental Benefit Fund

**Deepwater Horizon Natural Resource Damage Assessment Restoration**

Rachel Sweeney NOAA

**Gulf Coast Ecosystem Council (RESTORE Council)**

John Ettinger Gulf Coast Ecosystem Council (RESTORE Council)

**Assessment and Design for the Great Meadows Marsh Restoration with a Fill Removal and Soil Placement Strategy**

James Turek NOAA Restoration Center

**Lessons Learned through a Challenging But Successful Great Meadows Marsh Restoration Construction**

Jack Matthias Audubon Connecticut

**Leveraging the Success of Great Meadows Marsh Restoration to Inspire and Influence Change**

Sharon Bruce Audubon Connecticut–New York

**How Does Sediment Addition at Great Meadows Marsh Alter Salt Marsh Vegetation, Porewater Chemistry and Greenhouse Gas Fluxes?**

Madeline Kolleger University of Connecticut, Storrs, CT

**Testing the Efficacy of Targeted Saltmarsh Restoration at Great Meadows Marsh for a Globally Rare Species**

Franco Gigliotti University of Connecticut, Storrs, CT

**Pensacola & Perdido Bays Estuary Program**

Matt Posner Pensacola & Perdido Bays Estuary Program

St. Andrew & St. Joe Bays Estuary Program

Jessica Graham St. Andrew & St. Joe Bays Estuary Program

Chesapeake Bay Estuary Program

Brian Underwood Chesapeake Bay Estuary Program

Allocating Restore Act Funds for Watershed-Scale Improvements

Amy Newbold U.S. Environmental Protection Agency

Community-Based Watershed Planning

Janet Bowman The Nature Conservancy
## Concurrent Sessions 4

**Tuesday, December 6 | 8:30 am – 10:00 am**

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<tr>
<td>Ecological Restoration and Equity-Based Economic Development: Reimagine Middle Branch, Patapsco River</td>
<td>Collaborative Nutrient Management through Restoration: Restoring Cranberry Bogs to Wetlands to Improve Cape Cod Water Quality</td>
<td>Environmental Education and Community Empowerment</td>
<td>The South Atlantic Saltmarsh Initiative: A Landscape-Scale Partnership</td>
<td>Hybrid Designs for Shoreline Protection</td>
<td>Remote Session II</td>
</tr>
<tr>
<td><strong>MODERATOR:</strong> Lynette Cardoch Moffatt &amp; Nichol</td>
<td><strong>MODERATOR:</strong> Rachel Felver</td>
<td><strong>MODERATOR:</strong> Casey Chatelain Horsley Witten Group</td>
<td><strong>MODERATOR:</strong> Lora Clarke The Pew Charitable Trusts</td>
<td><strong>MODERATOR:</strong> Quinn Whitesall American Littoral Society</td>
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With the goals of increasing equity and environmental justice and improving ecological resilience and public health, Reimagine Middle Branch represents a commitment to deliver parks, projects and programs that unite the 19 neighborhoods of South Baltimore by connecting them to one another and to the waterfront. It is a community-driven initiative to reconnect South Baltimore to its 11+ miles of shoreline along the Patapsco River. The plan involves designing a network of world-class parks, trails, and programs, while fostering connections and economic opportunity in adjacent neighborhoods. The initiative is committed to delivering an environmental justice project with capital (constructed) elements, rather than a capital project that includes environmental justice elements.

Ecological Restoration and Equity-Based Economic Development: Reimagine Middle Branch, Patapsco River

Andrew Forbes

Megan Born

James Corner Field Operations

Odessa Phillip

Asredo Consulting, LLC

Brad Rogers

South Baltimore Gateway Partnership

Brett Berkley

GreenVest, LLC

**People don’t like change**: Achieving ecological goals and maintaining social value in cranberry bog wetland restoration

Katherine Canfield

U.S. Environmental Protection Agency, ORD/ACESD

Continuous Monitoring of Nitrile Loads at the Outlet of a Proposed Cranberry Bog Restoration

Laura Erban

U.S. Environmental Protection Agency, ORD/ACESD

Climate Impacts of Wetlands Restoration

Emma Gildegemane

The Nature Conservancy

Improving Coastal Water Quality with Inland Cranberry Bog Wetlands Restoration

Casey Chatelain

Horsley Witten Group

Enhancing Cranberry Bog Wetlands Restorations with Woodchip-Based Bioreactors

Livia Graham

Barnstable Clean Water Coalition

Transitioning with the Times: How Galveston Bay Foundation Updated an Established Education Program to Meet the Needs of the Community

Cindy Wilems

Galveston Bay Foundation

Education and Ecotourism at Fennessey Ranch

Joan Garland

Mission-Aransas National Estuarine Research Reserve

Bay Grasses in Classes Program

Paige Lansky

Tampa Bay Watch

A Watershed Moment: The Architecture of a Successful Community Campaign to Remove a Head-of-Tide Dam in the Great Bay Estuary, Durham New Hampshire

Melissa Paly

Conservation Law Foundation

Coastal Sewage Pollution: Outreach to Empower Action

Katie Day

Surfrider Foundation

Overview of the Initiative

Mallory Eastland

South Atlantic Salt Marsh Initiative

Creative Funding Approaches

Kate Schaefer

Beaufort Open Land Trust

Marshing Forward Together

Queen Quet

Gullah/Geechee Nation

Nature-Based Defense

Ryan Onoroff

Deputy Assistant Secretary of Defense (Environment & Energy Resilience)

Operationalizing a Landscape-Scale Approach at the State Level

Tancred Miller

North Carolina Division of Coastal Management

Assessing the Effectiveness of Natural, Living, and Hardened Shorelines at Preventing Coastal Erosion and Maintaining Healthy Habitats.

Patrick Biber

University of Southern Mississippi

From Shell Bags to Hybrid Breakwaters: Future Strategies for Intertidal Reefs

Quinn Whitesall

American Littoral Society

The Misunderstood Groyne: Structure and Sand Movement in Living Shorelines

Lee Yokel

EcSolutions, Inc.

Bettering a Bulkhead: Opportunities to Soften Existing Infrastructure

Justin Park

Biohabitats

Advanced Engineering Methods – Coastal Protection through Living Shorelines

Rachel Chambers

Stantec

Applying Scientific Syntheses to Support the Development of Actionable Management and Policy Options for Tackling Rising Water Temperature Effects on Tidal Fisheries and Habitats in Chesapeake Bay

Julie Reichert-Nguyen

National Oceanic and Atmospheric Administration (NOAA)

Site Fidelity and Residency of Bottlenose Dolphins (Tursiops truncatus) in Upper Galveston Bay, Texas

Vanessa Mintzer

Galveston Bay Foundation

Multidisciplinary Considerations for Blue Carbon Market Project Development: A Case Study from Texas’ Gulf Coast

Alicia Juang

Environmental Science Associates

Regionally Advancing Oyster Restoration and Living Shorelines in San Francisco Bay: AKA We’re Stronger Together

Marilyn Latta

CA State Coastal Conservancy
Summit Partners
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<td>Conserving and Restoring America the Beautiful: Building on Community-led Efforts for National Impact</td>
<td>Meaningfully Partnering with Indigenous Communities</td>
<td>Gulfwide Restoration Planning in the Gulf of Mexico by the Deepwater Horizon NRDA Regionwide Trustee Implementation Group (DWH NRDA Track)</td>
<td>Coastal Restoration-Case Studies from the Mid-Atlantic Region</td>
<td>Harnessing Coastal Blue Carbon Habitats in the Fight Against Climate Change: Insights from the States</td>
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<td>Letise LaFeir</td>
<td>Suzanne Simon</td>
<td>Jamie Schubert</td>
<td>Chris Hilke</td>
<td>Sylvia Troost</td>
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<td>NOAA Sea Grant</td>
<td>Restore America’s Estuaries</td>
<td>NOAA Restoration Center</td>
<td>National Wildlife Federation</td>
<td>Pew Charitable Trusts</td>
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**Panelists:**

- Elder Theresa Dardar
  - Pointe-au-Chien Indian Tribe
  - Co-Chairman Donald Dardar
  - Pointe-au-Chien Indian Tribe
  - Chief Shirell
  - Grand Caillou/Dulac Band of Biloxi-Chitimacha-Choctaw
  - Chief Devon Parfait
  - Grand Caillou/Dulac Band of Biloxi-Chitimacha-Choctaw

- Collaborative Restoration Planning by the Deepwater Horizon NRDA Regionwide TIG in the Gulf of Mexico: Process and Products
  - Jamie Schubert
  - NOAA Restoration Center

- Restoring Coastal Bird Habitat and Productivity Throughout the Northern Gulf of Mexico
  - David Hewitt
  - U.S. Fish and Wildlife Service, Gulf Restoration Office

- Restoring Marine Mammals in Coastal and Nearshore Waters of the Gulf of Mexico
  - Julia Goss
  - NOAA Deepwater Horizon Marine Mammal Coordinator

- Restoring Resilient Oyster Reefs in Gulf State Waters
  - Brady Carter
  - Louisiana Department of Wildlife and Fisheries

- Sea Turtle Restoration on Gulf State Beaches and Coastal and Nearshore Waters
  - Angela Sunley
  - Texas General Land Office

- NOAA Habitat Focus Areas: A Case Study of Purposeful Collaboration and Strategic Investments to Support Restoration in the Middle Peninsula of Virginia
  - Andrew Larkin
  - NOAA Chesapeake Bay Office

- Mattanock Town Restoration Proposal
  - Kati Grigsby
  - Chesapeake Bay Foundation & The Nature Conservancy, Inc.

- Three Restoration Project Case Studies in Monmouth County, New Jersey
  - Julie Schumacher
  - American Littoral Society

  - Christine Santora
  - Institute for Ocean Conservation Science at Stony Brook University

- Regenerative Design
  - Chris Becraft
  - Underwood & Associates

**Summary Name Tags and Beads:**

RAE will be recycling beads and name tags. If you no longer want your beads, please drop them off at the Summit Registration desk at the end of the Summit.
Concurrent Sessions 5
Tuesday, December 6 | 10:30 am – Noon

St Charles
Growing Future Stewards of the Coast - Formal and Informal Environmental Education Efforts on Louisiana’s Coastal Wetland Loss
MODERATOR: Kacie Wright
Coastal Wetlands Planning, Protection, and Restoration Act

Ascot-Newbury
The Lake Mattamuskeet Watershed Restoration Plan: Exploring the Feasibility of Three Priority Projects
MODERATOR: Alyson Flynn
North Carolina Coastal Federation

Parish
Nature-based Large-scale Restoration
MODERATOR: Timothy Feather
CDM Smith

Camp
Policies and Programs to Promote Living Shorelines
MODERATOR: Melody Ray-Culp
U.S. Fish & Wildlife Service

Remote 1
Balancing Infrastructure Resilience and Natural Coastal Habitat Protection in the Face of Climate Change
MODERATOR: Sabrina Pereira
NOAA NMFS

LaDIA (Louisiana Discovery, Integration and Adaptation)
Danielle Dilullo
Louisiana Sea Grant

Sharing EPA’s Mission: Use of Videos/media for Science Communication and Wetland Restoration Education
Sharon Osofski Morgan
U.S. Environmental Protection Agency, Region 6

LaDIA (Louisiana Discovery, Integration and Adaptation)
Danielle Dilullo
Louisiana Sea Grant

Sharing EPA’s Mission: Use of Videos/media for Science Communication and Wetland Restoration Education
Sharon Osofski Morgan
U.S. Environmental Protection Agency, Region 6

Inspirating and Educating Future Coastal Leaders: CRCL’s Youth Engagement Programs
Brett Pickett
Coalition to Restore Coastal Louisiana

Systemic Strategies for Engaging Underserved Communities in Environmental Stewardship and Water Literacy
Kimberly Cooke
Pontchartrain Conservancy

CWPPRA’s WaterMarks360 – Bringing Coastal Issues into the Classroom with the Caminada Headlands Virtual Field Trip
Lauren Leonpacher
CWPPRA

Protecting the Way of Life in Hyde County
Daniel Brinn
Hyde County Water and Flood Control Coordinator

The Lake Mattamuskeet Watershed Restoration Plan: Restoring Water Quality and Clarity
Alyson Flynn
North Carolina Coastal Federation

Evaluation of Active Water Management in the Lake Mattamuskeet Watershed
Alessandra Braswell
Geosyntec Consultants of NC

Identifying On- and Off-Base Opportunities to Advance Military Installation Resilience through Nature-Based Solutions: Examples from Hyde County, North Carolina
Christopher Baillie
Eastern North Carolina Sentinel Landscape Partnership/North Carolina Coastal Federation

High Tides, High Tech, and High Time to Restore Marshes
Donna Ball
South Bay Salt Pond Restoration Project/San Francisco Estuary Institute

Thirty Years of Long Island Sound Restoration: Lessons and Reflections from the Urban Sea
Mark Tedesco
U.S. Environmental Protection Agency

Risk Management Against Coastal Resiliency Stressors for Hoopersville Island, Dorchester County, Maryland
Anna Johnson
Bay and Consultants & Designers, Inc.

Advancing Natural Infrastructure Approaches with the National Coastal Resilience Fund
Arielle Mion
National Fish and Wildlife Foundation

Transforming Management of Oysters in the Pensacola Bay System
Anne Birch
The Nature Conservancy

Living Shorelines in Practice: Lessons Learned 5 Years After Construction of the Hancock County Marsh Living Shoreline
Karín Olsen
Anchor QEA

Successful Implementation of Coastal Resilience Practices Through a Unique & Productive For-Profit and Non-Profit Collaboration
Mary-Margaret McKinney
Restoration Systems, LLC

Regulatory Challenges and Opportunities for Living Shorelines in New England
Theresa Davenport
The Nature Conservancy, Massachusetts

Development of the Full-Delivery Turnkey Living Shoreline Project at Holly Beach Farm
Danielle Gourley
Bay & Land Consultants & Designers, Inc.

Resurrecting a Living Shoreline Grant Program in the Chesapeake Bay
Sarah Koser
Chesapeake Bay Trust

Shallow-Water Fish Habitat and Shoreline Project Tradeoffs: A Mid-Atlantic Perspective
Jonathan Watson
NOAA NMFS

Jessie Murray
NOAA NMFS

David O’Brien
NOAA NMFS

The Nexus of Climate Vulnerability of Habitats and Coastal Infrastructure Approaches
Michael R. Johnson
NOAA NMFS

Kaitlyn Shaw
NOAA NMFS

Nature Based Shoreline Protection in Windthrop and Duxbury Beach, Massachusetts
Rebecca Haney
Massachusetts Office of Coastal Zone Management

10 Years After Superstorm Sandy: The Evolution of Restoration in New Jersey
Capt. Al Modjeski
American Littoral Society

The Ecosystem Focus Anchor: Restoring an Equilibrium in Coastal Nature Based Decision Making
Bartholomew Wilson
U.S. Fish and Wildlife Service
## Concurrent Sessions 6
### Tuesday, December 6 | 2:00 pm – 3:30 pm

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<td>From Hurricane Damage and Restoration to Risk Management: Ensuring Coastal Habitat Resilience in Florida</td>
<td>MODERATOR: Corey Anderson Florida Fish and Wildlife Conservation Commission</td>
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<td><strong>Jackson</strong></td>
<td>Targeted Outreach for Green Infrastructure in Vulnerable Areas (TOGI): A Pilot Study Empowering Historically Underserved Communities in Resiliency Actions</td>
<td>MODERATOR: Briana Yancy EPA</td>
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<td>Technology and Tools to Support Restoration in the Gulf</td>
<td>MODERATOR: Cameron Perry HDR</td>
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<td><strong>Royal</strong></td>
<td>Deepwater Horizon NRDA Progress: Restoring and Conserving Habitat</td>
<td>MODERATOR: Stella Wilson NOAA</td>
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<td><strong>Commerce</strong></td>
<td>How Priority High Marsh Habitat Is Considered and Integrated in Tidal Marsh Restoration Efforts in the Northeastern U.S.</td>
<td>MODERATOR: Mitch Hartley Atlantic Coast Joint Venture / U.S. Fish &amp; Wildlife Service</td>
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<td>NRCS in the Coastal Zone: Conservation Planning and Soil Science as Tools for Estuarine and Coastal Restoration</td>
<td>MODERATOR: Gene Kim USDA Natural Resources Conservation Service - National Water Quality Specialist/Aquatic Ecologist</td>
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**PRESENTERS:**
- Kent Smith Florida Fish and Wildlife Conservation Commission (FWWC)
- Ryan Moyer TerraCarbon
- Matthew McCarthy Oak Ridge National Laboratory
- Ryan Moyer TerraCarbon
- Julie Mitchell Florida Fish and Wildlife Conservation Commission
- Erin McDevitt FFWC
- Savanna Hearne FFWC
- Danielle Ogurcak Florida International University
- Corey Anderson FFWC
- Laura Geselbracht The Nature Conservancy

**The TOGI Project**
- Alisa Wilson Skoro Solutions
- Mattaponi TOGI Project
- Mark Custalow Mattaponi Tribe
- Upper Mattaponi TOGI Project
- Leigh Mitchell Upper Mattaponi Tribe
- Cambridge MD TOGI Project
- Lajan Cephas Cambridge City Council
- Williamsport PA TOGI Project
- Melvin Zimmerman Lycoming College

**Developing an Ecological Suitability Index to Inform Estuarine Restoration in the Gulf of Mexico**
- Lisa Smith U.S. Environmental Protection Agency

**Hybrid Modeling of Future Estuarine and Ecological Conditions at Barataria Preserve, Louisiana**
- Kevin Hanegan Moffit & Nichol

**Automated Approaches to Wetland Habitat Classification and Landscape Development Intensity for Louisiana Coastal Watersheds**
- Eldon Blancher Moffit & Nichol

**Inclusion of Science-Directed Support Tools into Gulf Coast Conservation Programming: Building Capacity for Land Conservation through the Gulf Partnership’s Strategic Conservation Vision**
- Vance Crain Partnership for Gulf Coast Land Conservation Inc.

**Deepwater Horizon NRDA: Land Acquisition as a Restoration Technique for Long-Term Restoration and Conservation**
- Dianne Ingram DOI/FWS/Gulf Restoration Office

**Restoring Living Shorelines and Estuaries in Mississippi**
- Valerie Alley Mississippi Department of Environmental Quality

**Pensacola Bay Living Shoreline Project: Lessons Learned from Engineering Design and Construction**
- Erin Rooney HDR Engineering, Inc.

**Restoring and Conserving Habitat on Barrier Islands and Federally Managed Lands**
- Erin Pitsch DOI/FWS/Gulf Restoration Office

**Deepwater Horizon NRDA Restoration of Coastal Islands and Living Shorelines**
- Katie Balzer The Nature Conservancy

**Deepwater Horizon NRDA: Restoration of Coastal Islands and Living Shorelines**
- Katie Balzer The Nature Conservancy

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<td>Julie Mitchell</td>
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<td>Water Management for Community Resilience</td>
<td>Keeping Congress Engaged in Coastal and Estuarine Restoration</td>
<td>Sharing Knowledge on Integrating Climate into Coastal and Marine Protected Area Management</td>
<td>Ensuring Positive Outcomes in Oyster Restoration Through Successful Partnerships in the Virginia Portion of the Chesapeake Bay</td>
<td>Research on Nature-Based Solutions for Urban Coastal Flood Risk Reduction</td>
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<td>MODERATOR: Rich Innes</td>
<td>MODERATOR: Lauren Wenzel</td>
<td>MODERATOR: Chris Moore</td>
<td>MODERATOR: Paul Kirshen</td>
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<tr>
<td>Gullah/Geechee Sea Island Coalition</td>
<td>NOAA Office for Coastal Management</td>
<td>Association of National Estuary Programs</td>
<td>NOAA Marine Protected Areas Center</td>
<td>Chesapeake Bay Foundation</td>
<td>Stone Living Lab &amp; University of Massachusetts Boston</td>
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<td>How to Choose: Criteria for Selecting Stormwater Remediation Sites When There is Overwhelming Need and Finite Resources</td>
<td>PRESENTERS: Garrett Graves (invited) U.S. Congress</td>
<td>PRESENTERS: Staff of US Representative Bill Cassidy (invited) U.S. Congress</td>
<td>USACE's Chesapeake Bay Native Oyster Recovery Program</td>
<td>MODERATOR: Lauren Wenzel</td>
<td>MODERATOR: Heather Lockwood</td>
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<tr>
<td>Jordan Mora</td>
<td>Daniel Hayden</td>
<td>Jeffrey Lerner</td>
<td>Heather Lockwood U.S. Army Corps of Engineers</td>
<td>NOAA Marine Protected Areas Center</td>
<td>U.S. Army Corps of Engineers</td>
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<tr>
<td>Association to Preserve Cape Cod</td>
<td>Restore America's Estuaries</td>
<td>Partnership Programs Branch Chief Partnership Programs Branch Chief, EPA</td>
<td>Funding and Coordinating Oyster Restoration in America's Largest Estuary</td>
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<td>U.S. Army Corps of Engineers</td>
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<tr>
<td>City to Shore: Using Nature Based Solutions in Upstream Environments to Protect Coastal Ecosystems</td>
<td>Carrie Selberg Robinson</td>
<td>Carrie Selberg Robinson</td>
<td>Andrew Larkin NOAA</td>
<td>Andrew Larkin NOAA</td>
<td>Virginia’s First (and Sixth) Tributary for Oysters</td>
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<td>Lucia Ruggiero</td>
<td>Director of the Office of Habitat Conservation, NOAA</td>
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<td>Virginia’s Joe Rieger Elizabeth River Project</td>
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<td>American Cultural Society</td>
<td>Mindy Simmons</td>
<td>A State Agency Perspective on Oyster Restoration</td>
<td>ANDREW Larkin NOAA</td>
<td>ANDREW Larkin NOAA</td>
<td>A State Agency Perspective on Oyster Restoration Project on the Planet</td>
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<tr>
<td>Adaptive Management in Restoring River Connectivity: Dam Removal in the Mattatuck</td>
<td>Senior Environmental Policy Advisor, Headquarters, U.S. Army Corps of Engineers</td>
<td>ANDREW Larkin</td>
<td>ANDREW Larkin</td>
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<td>Kate McPherson</td>
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<td>New Orleans' Water Solutions Driven by Social and Environmental Equity</td>
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<td>Creating Environmental and Community Resilience through Stream Restoration</td>
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**Presenters:**
- Queen Quet
- Gullah/Geechee Sea Island Coalition
- Kwame Sha
- Gullah/Geechee Sea Island Coalition
- Glenda Simmons-Jenkins
- Gullah/Geechee Cultural Heritage Committee of Northeast Florida

**Session Details:**

- This session will bring together people involved and interested in how protected areas are integrating climate change considerations into all aspects of management, including science, assessment, monitoring, regulations, restoration, education, outreach and public engagement. Organizers will identify a few coastal/protected area practitioners who can share examples and experiences to start the dialogue. Key questions to be addressed, in the context of coastal and marine protected areas, include: How do we assess vulnerabilities and set priorities in the face of environmental change? How can we move from assessment to adaptation and resilience? What actions can we take to address climate impacts? How can we assess progress toward conservation objectives in a changing ocean? What metrics and indicators of change and success do we need to monitor to improve understanding of physical, ecological, social, and cultural responses to climate change? How can we address climate mitigation, as well as adaptation, in management?

**Presenters:**
- Lauren Wenzel
- NOAA Marine Protected Areas Center

**Moderator:**
- Queen Quet
## Concurrent Sessions 7
**Tuesday, December 6 | 4:00 pm – 5:30 pm**

<table>
<thead>
<tr>
<th>Jefferson Session</th>
<th>Jackson Session</th>
<th>Magazine Session</th>
<th>Royal Session</th>
<th>Commerce Session</th>
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<tbody>
<tr>
<td>Growing a Diverse Estuarine Research and Management Workforce</td>
<td>Utilizing the Coastal Carbon Atlas in State Blue Carbon Inventories</td>
<td>Florida’s Nature Coast: Partnering to Protect a Way of Life</td>
<td>NRDA Oyster Restoration for the Deepwater Horizon Oil Spill (DWH NRDA Track)</td>
<td>Focus on Restoration of Tidal Marshes</td>
</tr>
<tr>
<td><strong>MODERATOR:</strong> Susan Park</td>
<td><strong>MODERATOR:</strong> Jaxine Wolfe</td>
<td><strong>MODERATOR:</strong> Cameron Jaggard</td>
<td><strong>MODERATOR:</strong> Eric Weissberger</td>
<td><strong>MODERATOR:</strong> Ben Sheelk</td>
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<tr>
<td>Coastal and Estuarine Research Federation</td>
<td>Smithsonian Environmental Research Center</td>
<td>The Pew Charitable Trusts</td>
<td>NOAA</td>
<td>The Ocean Foundation</td>
</tr>
</tbody>
</table>

**CERF Rising TIDES Conference Program**
- **Allison Fitzgerald**
  New Jersey City University and New York Oyster Program Coordinator at NY/NJ Baykeeper
- Increasing the Inclusivity of the Knaww Marine Policy Fellowship
  Maddie Kennedy
  NOAA National Sea Grant Office
- GI Workforce Development: A New Paradigm: Real Investment Real Outcomes
  Todd Reynolds
  Executive Director Groundwork New Orleans
- Building a Coastal Restoration Workforce at the Community College Level
  Jacqueline Richard
  Nunez Community College
- The SEAS Islands Alliance: Supporting Island Students to Join the Marine Science Workforce
  Susan Park
  Coastal and Estuarine Research Federation

**PANELISTS:**
- Jaxine Wolfe
  Smithsonian Environmental Research Center
- James Holmquist
  Smithsonian Environmental Research Center

**Aquatic Preserve Program**
- **Michael Shirley**
  Florida Department of Environmental Protection
  Angling for a Sustainable Environment and Economy
- **Bruce Pohlot**
  International Game Fish Association
  Reaching Consensus for Conservation
- **Laura Reynolds**
  University of Florida
  Local Perspectives on the Nature Coast Aquatic Preserve
- **Melissa Charbonneau**
  Pasco County
  Local Perspectives on the Nature Coast Aquatic Preserve
- **Captain William Toney**
  Homosassa Inshore Fishing

**Low Salinity Tolerant Oysters as Critical Components of Coastal Gulf Restoration**
- **Beth Stauffer**
  University of Louisiana at Lafayette
- **Oyster Restoration in Louisiana: Status Updates**
  Carolina Bourque
  Louisiana Department of Wildlife and Fisheries
- **Oysterflows: Using Science and Data Visualization to Evaluate Freshwater Impacts to Oysters in the Gulf of Mexico**
  Bryan Piazza
  The Nature Conservancy
- **Effectiveness of a Living Shoreline in Supporting Benthic Invertebrate Communities**
  Sarah Ballard
  Anchor QEA, LLC
- **Developing Outcome Measures for Large-Scale Oyster Restoration**
  Megan La Peyre
  U.S. Geological Survey, Louisiana Cooperative Fish & Wildlife Research Unit

**Learning from the Past to Restore the Future: Every Marsh Was a Farm**
- **Susan Adamowicz**
  Rachel Carson National Wildlife Refuge
- **Dutch Slough Tidal Marsh Restoration Project – Restoration Design Approach**
  Mark Lindley
  Environmental Science Associates (ESA)
- **Vegetation Response to High Marsh Restoration Efforts**
  Richard Peel
  The George Washington University
- **Restoration Efforts by the Town of Truro for the Pamet River Estuarine System**
  Mitch Buck
  Woods Hole Group
**Concurrent Sessions 7**
**Tuesday, December 6 | 4:00 pm – 5:30 pm**

### Canal
- **St Charles**
- **Ascot-Newbury**
- **Fulton**
- **Camp**
- **Remote 1**

<table>
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<tr>
<th>Topic</th>
<th>St Charles</th>
<th>Ascot-Newbury</th>
<th>Fulton</th>
<th>Camp</th>
<th>Remote 1</th>
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<tbody>
<tr>
<td>NRCS Support for Enhancing and Quantifying Ecosystem Services in the Coastal Zone: A Roundtable Discussion</td>
<td>Community Engagement</td>
<td>Water Quality and Habitat</td>
<td>Planning and Policy</td>
<td>The Use of Non-Plastic Materials for Oyster Reef and Shoreline Restoration in Florida.</td>
<td>Best Practices for Funding and Financing Natural Infrastructure: Success Stories and Lessons Learned</td>
</tr>
<tr>
<td><strong>MODERATOR:</strong> Gene Kim USDA Natural Resources Conservation Service (NRCS), National Water Quality Specialist/Aquatic Ecologist</td>
<td><strong>MODERATOR:</strong> Alexia Yau U.S. Fish &amp; Wildlife Service</td>
<td><strong>MODERATOR:</strong> Bob Murphy Tetra Tech, Inc.</td>
<td><strong>MODERATOR:</strong> Ann Redmond Brown and Caldwell</td>
<td><strong>MODERATOR:</strong> Jessy Wayles Marine Discovery Center</td>
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### Louisiana NRCS State Perspective for Coastal/Estuarine Restoration
- **Britt Paul**
- **Mapping Soils and Blue Carbon Stocks in the Coastal U.S.**
- **Greg Taylor** USDA NRCS, Soil and Plant Science Division, Senior Soil Scientist for Special Projects

### NRCS Plant Materials Program: Selecting and Evaluating Plants for Successful Performance in Coastal Restoration Projects
- **Christopher Miller** USDA NRCS Cape May Plant Materials Center

### Agricultural Conservation Easement Program – Wetland Reserve Easements (acep ACEP-WRE) – an Overview
- **Ken Kriese** USDA NRCS, ACEP – WRE National Program Manager

### Emergency Watershed Protection Program for Floodplain Easements – an Overview
- **Janelle J. Smith** USDA NRCS - Easements Program Division: Implementation & Stewardship Branch, Natural Resources Specialist

### Bridging Communities Upstream and Downstream for Nitrogen Management, Building an Inclusive People-Centered Platform
- **Maya Trotz** University of South Florida
- **Maria Merrill** Florida Fish and Wildlife Conservation Commission

### Current Communities First: Prioritizing Climate Justice in Watershed Resilience Planning
- **Alicia Lehrer** Woonasquatucket River Watershed Council

### Meaningful Engagement with Disadvantaged Communities and Tribes in the San Francisco Estuary: Weaving in Systemic Equity to Heal Historical Trauma
- **James Muller** San Francisco Estuary Partnership

### “I Can’t Get to the River” - Natural Resource Restoration for Environment and Community in the Cape Fear River Basin, NC
- **Krista McCraken** NOAA Restoration Center

### The Landscape of State Resilience and Adaptation Planning in 2022
- **Mathew Sanders** The Pew Charitable Trusts

### Holding States Accountable for Harmful Algal Blooms: A Florida Case Study
- **Jason Totou** Center for Biological Diversity

### Governance and the Mangrove Commons: Advancing the Cross-Scale, Nested Framework for the Global Conservation and Wise Use of Mangroves
- **Julie Walker** St. Mary’s College of Maryland

### The Confluence of Water and Environmental Justice: A Systematic Literature Review
- **Stefanie Covino** Blackstone Watershed Collaborative

### Validation of Permeable Reactive Barier Technology for Non-Point Source Groundwater Nitrogen Remediation
- **Matthew Charette** Woods Hole Oceanographic Institution

### The Use of Non-Plastic Materials for Oyster Reef and Shoreline Restoration in Florida.
- **Jessy Wayles** Marine Discovery Center

### Best Practices for Funding and Financing Natural Infrastructure: Success Stories and Lessons Learned
- **Bari Greenfeld** USACE Institute for Water Resources

### Exploration Green: Leveraging Social Capital for a Biodiverse and Flood-Resilient Community Space
- **Jennifer Morrow** Clear Lake City Water Authority

### Elizabeth River Project: Capturing Multiple Benefits to Enhance Water Quality and Flood Protection Along an Urban River
- **Joe Rieger** Elizabeth River Project

### Hunter’s Point South Park: Affordable Housing and Green/gray Design
- **Leonard Greco** NYC Economic Development Corporation

### Tom Balsley SWA Balsley

### Overview of the SAGE/EWN Natural Infrastructure Funding and Financing Case Studies
- **Bari Greenfeld** USACE Institute for Water Resources

### South Bay Salt Pond Restoration: Strong Planning and Partnerships Sustain the Largest Wetland Restoration Project on the West Coast
- **Laura Cholodenko** California State Coastal Conservancy

### Exploration Green: Leveraging Social Capital for a Biodiverse and Flood-Resilient Community Space
- **Jennifer Morrow** Clear Lake City Water Authority

### Elizabeth River Project: Capturing Multiple Benefits to Enhance Water Quality and Flood Protection Along an Urban River
- **Joe Rieger** Elizabeth River Project

### Hunter’s Point South Park: Affordable Housing and Green/gray Design
- **Leonard Greco** NYC Economic Development Corporation
- **Thomas Balsley** SWA Balsley
# Concurrent Sessions 8
**Wednesday, December 7 | 8:30 am – 10:00 am**

| Jefferson       | Jackson                                    | Magazine                                                      | Royal                                           | Commerce                                    |
|-----------------|--------------------------------------------|---------------------------------------------------------------|------------------------------------------------|
| **MODERATOR:**  |                                            |                                                               | **MODERATOR:**                                | **MODERATOR:**                              |
| Rachel Gittman  |                                            |                                                               | Erin Chandler                                  | Erin Hague                                  |
| East Carolina University |                                            |                                                               | Department of Interior/ US Fish and Wildlife Service | Tetra Tech, Inc. |
| **Session**     |                                            |                                                               |                                                |                                             |
| Increasing Resilience through a Living Shorelines Technical Assistance Program | Restoring Marshes with Dredged Sediment: Lessons Learned Lightning Round and Nationwide Discussion Forum | Changing the Federal Approach; How Engineering With Nature® is Improving Ecosystems and Coastal Resilience For Federal and Community Partners | Deepwater Horizon NRDA Progress: Birds     |
| Eric Sparks     |                                            |                                                               |                                                |                                             |
| Mississippi State University |                                            |                                                               | **MODERATOR:**                                | **MODERATOR:**                              |
| Assessing a Biodegradable Oyster Breakwater Substrate’s Ability to Reduce Shoreline Erosion and Stimulate Marsh Expansion Seaward. | Lesson Learned Lightning Round Presentation                 |                                                |                                               |                                             |
| Megan Geesin    |                                            |                                                               |                                                |                                             |
| East Carolina University |                                            |                                                               |                                                |                                             |
| Wave Attenuation Across High-Relief and Low-Relief Oyster Reef Breakwaters Constructed in a Tidal Creek with Boating Activity | Nationalwide Panel Discussion on Beneficial Use for Salt Marsh Restoration |                                                |                                               |                                             |
| Georgette Tso   |                                            |                                                               |                                                |                                             |
| East Carolina University |                                            |                                                               |                                                |                                             |
| Ecosystem Functions of Living Shorelines | Introduction to the Beneficial Use Learning Network         |                                                |                                               |                                             |
| Marko Polk      |                                            |                                                               |                                                |                                             |
| University of North Carolina Wilmington | Adrianna Zito-Livingston The Nature Conservancy |                                                |                                               |                                             |
| Collaborative Modeling the Benefits, Costs, and Trade-Offs of Mangroves and Seawalls for Climate Adaptation in the Florida Keys |                                             |                                                |                                               |                                             |
| Steven Sypthers |                                            |                                                               |                                                |                                             |
| University of South Alabama |                                            |                                                               |                                                |                                             |
| Evaluating the Impacts of Hazard Adaptation Decision-Making on Coastal Communities and Ecosystems |                                             |                                                |                                               |                                             |
| Rachel Gittman  |                                            |                                                               |                                                |                                             |
| East Carolina University |                                            |                                                               |                                                |                                             |
| Evaluating the Impacts of Hazard Adaptation Decision-Making on Coastal Communities and Ecosystems |                                             |                                                |                                               |                                             |
| Devon Eulie     |                                            |                                                               |                                                |                                             |
| University of North Carolina Wilmington |                                            |                                                               |                                                |                                             |
| Tyndall Air Force Base – How the Air Force, Engineering with Nature, and a Host of Project Partners are Improving Installation Resilience and Estuarine/coastal Habitats |                                             |                                                |                                               |                                             |
| Hollie Schmidt  |                                            |                                                               |                                                |                                             |
| Jacobs          |                                            |                                                               |                                                |                                             |
| Using Natural and Nature Based Features to Improve Coastal Resilience and Ecosystems at an Active Military Installation |                                             |                                                |                                               |                                             |
| Chris Overcash  |                                            |                                                               |                                                |                                             |
| EA Engineering, Science, and Technology |                                             |                                                |                                               |                                             |
| Fire Island National Seashore Bayside Erosion – Determining Nature-Based Solutions for Managing and Protecting Bayside Areas |                                             |                                                |                                               |                                             |
| Suzie Boltz     |                                            |                                                               |                                                |                                             |
| EA Engineering, Science and Technology, Inc., PBC |                                             |                                                |                                               |                                             |
| Preserving Coastal Parklands: Developing a Landscape Approach to Natural and Nature-Based Features that Can Improve Coastal Resilience at National Park Service Chesapeake Coastal Sites |                                             |                                                |                                               |                                             |
| Adrian Robins   |                                            |                                                               |                                                |                                             |
| University of Virginia |                                             |                                                |                                               |                                             |
| Impacts and Implications of Island Restoration for Enhanced Coastal Resilience at Swan Island Maryland |                                             |                                                |                                               |                                             |
| Paula Whitfield |                                            |                                                               |                                                |                                             |
| NOAA National Centers for Coastal Ocean Science |                                             |                                                |                                               |                                             |
| An Overview of the Guidance Document for Avian Habitat Restoration and Monitoring |                                             |                                                |                                               |                                             |
| Eva Windholfer  |                                            |                                                               |                                                |                                             |
| The Water Institute of the Gulf |                                             |                                                |                                               |                                             |
| Overview of Beach Nesting Bird Habitat Stewardship Activities |                                             |                                                |                                               |                                             |
| Lianne Koczur   |                                            |                                                               |                                                |                                             |
| Audubon         |                                            |                                                               |                                                |                                             |
| Bird Restoration Projects in Texas |                                             |                                                |                                               |                                             |
| Adriana Leiva   |                                            |                                                               |                                                |                                             |
| U.S. Fish and Wildlife Service |                                             |                                                |                                               |                                             |
| Louisiana Coastwide Avian Restoration, Monitoring and Adaptive Management |                                             |                                                |                                               |                                             |
| Jon Wiebe       |                                            |                                                               |                                                |                                             |
| LDWF            |                                            |                                                               |                                                |                                             |
| Secretive Marsh Bird Habitat Relationships and Distributions in Selected Coastal Louisiana Marshes Project |                                             |                                                |                                               |                                             |
| Sammy King      |                                            |                                                               |                                                |                                             |
| LSU             |                                            |                                                               |                                                |                                             |
| Drone-Derived Aerial Imagery Classification for a Large Scale Floodplain Restoration in the Panhandle, Florida: A Project Monitoring and Assessment Approach |                                             |                                                |                                               |                                             |
| Jeff Beal       |                                            |                                                               |                                                |                                             |
| Ducks Unlimited |                                            |                                                               |                                                |                                             |
| The Importance of High Confidence Data to Geospatial Analysis for Environmental Management for the Indian River Lagoon |                                             |                                                |                                               |                                             |
| Kj Ayres        |                                            |                                                               |                                                |                                             |
| The Indian River Lagoon National Estuary Program |                                             |                                                |                                               |                                             |
| Analyzing Multispectral Drone Data in the Coastal Environment: Salt Marsh, Mangroves, and Seagrass |                                             |                                                |                                               |                                             |
| Amy Kopale     |                                            |                                                               |                                                |                                             |
| CDM Smith      |                                            |                                                               |                                                |                                             |
| UAV LiDAR Aids in Environmental Restoration in Restricted Air Space (MacDill AFB) |                                             |                                                |                                               |                                             |
| Thomas Ries    |                                            |                                                               |                                                |                                             |
| Ecosphere Restoration Institute |                                             |                                                |                                               |                                             |
| Quantifying Ecosystem Health and Carbon Capture of Coastal Restoration Using Drones and Machine Learning |                                             |                                                |                                               |                                             |
| Andrew Reicks  |                                            |                                                               |                                                |                                             |
| CDM Smith      |                                            |                                                               |                                                |                                             |
| **Details**     |                                            |                                                               |                                                |                                             |
| CDM Smith      |                                            |                                                               |                                                |                                             |
| **WEDNESDAY**   |                                            |                                                               |                                                |                                             |
| **41**          |                                            |                                                               |                                                |                                             |
### Concurrent Sessions 8

**Wednesday, December 7 | 8:30 am – 10:00 am**

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<th>Canal</th>
<th>Fulton</th>
<th>Parish</th>
<th>Camp</th>
<th>Remote 1</th>
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<tr>
<td><strong>Moderator:</strong> Peter Linderoth</td>
<td><strong>Moderator:</strong> Carrie Selberg Robinson</td>
<td><strong>Moderator:</strong> Devyani Kar</td>
<td><strong>Moderator:</strong> Haille Leija</td>
<td><strong>Moderator:</strong> Save the Sound</td>
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- Watershed Management Plan Implementation in the D’Olive Watershed in Baldwin County, Alabama
  - Jason Kudulis
  - Mobile Bay National Estuary Program
  - Applications of Adaptive Management Planning in Coastal South Carolina: Kiawah Island, SC
  - Lucas Hernandez
  - Weston & Sampson
  - There’s No Shortcut to Restoration
  - Stephen Creighton
  - Water Environment Consultants
  - A New Resilient and Sustainable Waterfront in One of Boston’s Oldest Neighborhood - East Boston, Massachusetts
  - John Frey
  - Weston & Sampson
  - Understanding the Benefits of Natural and Nature-Based Features to Inform Climate Adaptation in Maryland
  - Jackie Specht
  - The Nature Conservancy, MD/DC Chapter

- Update of NOAA’s Habitat Conservation Opportunities Under the Bipartisan Infrastructure Law
  - Chris Doley
  - NOAA Fisheries, Office of Habitat Conservation, Restoration Center
  - Expansion of Habitat Restoration and Conservation for Coastal Management
  - Joelle Gore
  - NOAA Office for Coastal Management
  - Strengthening Natural Infrastructure through Increased Investment in the National Coastal Resilience Fund
  - Arielle Mion
  - National Fish and Wildlife Foundation
  - Including Tribal Considerations in Infrastructure Funding Opportunities
  - Janine Harris
  - NOAA Fisheries, Office of Habitat Conservation, Restoration Center

- Creating Coastal Resiliency in a Florida Coastal County on the Gulf of Mexico
  - Shelley Alexander
  - Santa Rosa County
  - Adaptive Management: Overcoming Soft Soils and Hurricanes in Dickinson Bayou
  - Philip Blackmar
  - HDR Engineering, Inc.
  - Ecological, Societal and Economic Betterment from Shoreline Protection at Brunswick Town/ Fort Anderson
  - Phillip Todd
  - Atlantic Reefmaker
  - Jack Creek Park Improvements using Beneficial Use of Dredged Material, Living Shoreline Techniques and Green Infrastructure for Public Access in Anne Arundel County, Maryland
  - Anna Johnson
  - Bay & Consultants & Designers, Inc.
  - From Bullets to the Bay: Using Military Barriers for Shoreline Restoration
  - Zack Royle
  - American Littoral Society

- Community Mobilization for Oyster Shell Recycling Throughout the COVID-19 Pandemic
  - Darrah Bach
  - Coalition to Restore Coastal Louisiana (CRCL)
  - Expansion of Shell Recycling Operations During the COVID-19 Pandemic
  - Haille Leija
  - Galveston Bay Foundation
  - Restaurants to Reefs: Expanding Shell Collection Capacity in NYC After COVID-19
  - Charlotte Boesch
  - Billion Oyster Project (BOP)
  - Maintaining Volunteer Relationships During the COVID-19 Pandemic through Oyster Shell Recycling
  - Julie Luccke
  - Chesapeake Bay Foundation
  - Promoting the Resurgence of the New Jersey Oyster through Shell Recycling
  - Julie Schumacher
  - American Littoral Society

- The Contribution of Citizen Science for Determining the Population Dynamics of Common Nearshore Forage Fish in the Delaware Inland Bays
  - Andrew McGowan
  - Delaware Center for the Inland Bays
  - Runnels Reverse Mega-pool Expansion and Improve Marsh Resiliency in the Great Marsh, Massachusetts
  - James McKown
  - University of New Hampshire - Durham, NH
  - Seeking Refuge: Informing Resilient Restoration of Olympia Oysters in San Francisco Bay
  - Allie Margulies
  - San Francisco State University
  - Land Conservation Planning for Flood Resilience: An Institutional Analysis of Ecosystem-Based Flood Risk Management in New Hampshire’s Coastal Watershed
  - Michal Zahorik
  - University of New Hampshire
### Concurrent Sessions 9
**Wednesday, December 7 | 10:30 am – Noon**

<table>
<thead>
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</table>
| **Jefferson** | Scoping and Design of Actionable Science: Connecting Researchers and Resource Managers to Co-Produce Actionable Science in the Gulf of Mexico  
---  
**MODERATOR:**  
Caitlin Young  
NOAA RESTORE Science Program |
| **Jackson** | Scoping and Design of Actionable Science: Connecting Researchers and Resource Managers to Co-Produce Actionable Science in the Gulf of Mexico  
---  
**MODERATOR:**  
Caitlin Young  
NOAA RESTORE Science Program |
| **Magazine** | Scoping and Design of Actionable Science: Connecting Researchers and Resource Managers to Co-Produce Actionable Science in the Gulf of Mexico  
---  
**MODERATOR:**  
Caitlin Young  
NOAA RESTORE Science Program |
| **Royal** | Scoping and Design of Actionable Science: Connecting Researchers and Resource Managers to Co-Produce Actionable Science in the Gulf of Mexico  
---  
**MODERATOR:**  
Caitlin Young  
NOAA RESTORE Science Program |
| **Commerce** | Scoping and Design of Actionable Science: Connecting Researchers and Resource Managers to Co-Produce Actionable Science in the Gulf of Mexico  
---  
**MODERATOR:**  
Caitlin Young  
NOAA RESTORE Science Program |

**PANELISTS:**
- Eric Sparks  
Mississippi State University
- Rachelle Sanderson  
Capital Region Planning Commission
- Nichole Michel  
National Audubon Society
- Ehab Meselhe  
Tulane University
- Laura Manuel  
Tulane University
- Corey Anderson  
Florida Fish and Wildlife Conservation Commission

With many important, comprehensive, well-funded coastal programs in place, what does the future of the nation’s shorelines look like? This panel will review important national and large-scale regional coastal initiatives and outline progress toward improved resiliency in shoreline management. The U.S. government, in close coordination with state agencies and local stakeholders, has engaged in several highly-visible, far-reaching initiatives that examine trends, target challenges, and put forth direction toward improvements to coastal management, programs, and policy. Many lessons learned from centuries of shoreline management have been captured and wide-ranging, forward-thinking solutions are now being formulated. Are the new best-practices actually being implemented? Are they showing results? Is progress being made toward coastal sustainability and resilience? This panel will summarize selected major coastal initiatives and exchange ideas on progress and the next wave of needs. Panelists will include those with experience in leading and coordinating large-scale shoreline management efforts, including on the Gulf coast, and will provide perspectives on what is needed to ensure future resilience. The panel will be facilitated by Dr. Denise Reed of the University of New Orleans and presenters will include LISACE (confirmed), environmental organizations and the others working at the regional scale in this important area.

National Shoreline Management Study
- Marriah Abellera  
U.S. Army Corps of Engineers

**Session Details**
- **Session Title:** Investing in Coastal Resilience – Is Progress Being Seen in the U.S.?  
---  
**MODERATOR:**  
Denise Reed  
University of New Orleans

**Session Details**
- **Session Title:** Coastal Resilience  
---  
**MODERATOR:**  
Eric Weissberger  
NOAA Restoration Center

**Session Details**
- **Session Title:** Assessing Ecological Service Flows of Estuarine Habitat Restoration for Neotax - Perspectives from around the Gulf of Mexico (DWH NRDA Track)  
---  
**MODERATOR:**  
Ian Zink  
NOAA NMFS OHC RC DWH Program

**Session Details**
- **Session Title:** Innovations in Environmental Monitoring  
---  
**MODERATOR:**  
Darrah Bach  
Coalition to Restore Coastal Louisiana

**Session Details**
- **Session Title:** Beyond Ecological Indicators: How Characterizing Submerged Aquatic Vegetation Communities Can Offer Insight Into Ecological Regimes and Patterns  
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**MODERATOR:**  
Kristin DeMarco  
Louisiana State University

**Session Details**
- **Session Title:** Pooled Monitoring – A Novel Approach that Pools Funding to Support Research Answering Key Restoration Questions vs Site/Project Specific Monitoring in the Chesapeake Bay  
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**MODERATOR:**  
Sadie Drescher  
Chesapeake Bay Trust

**Session Details**
- **Session Title:** GulfCorps’ Monitoring Program  
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**MODERATOR:**  
Karrie Arnold  
The Nature Conservancy

**Session Details**
- **Session Title:** Evaluation and Synthesis of Changing Environmental Conditions and their Impacts on Fish and Habitat Resources in the Chesapeake Bay  
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**MODERATOR:**  
Mandy Bromlow  
ERT, Inc.
### Concurrent Sessions 9
Wednesday, December 7 | 10:30 am – Noon

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<td>In-State Approaches to Planning for Resilient Coasts and Communities</td>
<td>Beneficial Re-Use of Dredge Material</td>
<td>Amazing Oysters! Reef Restoration for Resilience</td>
<td>Restored Seagrasses’ Blue Carbon in the Gulf of Mexico</td>
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<td><strong>MODERATOR:</strong> Kristiane Huber The Pew Charitable Trusts</td>
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<td><strong>MODERATOR:</strong> Jessie Olson Save The Bay - San Francisco</td>
<td><strong>MODERATOR:</strong> Anitra Thorhaug Greater Caribbean Energy and Environment Foundation</td>
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<td>Amy Reed Environmental Law Institute</td>
<td><strong>Kristiane Huber</strong> The Pew Charitable Trusts</td>
<td><strong>Hayden Smith</strong> Anchor QEA, LLC</td>
<td><strong>Robina Taliaferrow</strong> Billion Oyster Project</td>
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<td>Geographic Location Descriptions (GLDs): A Powerful and Under Used Designation within the Coastal Zone Management Act (CZMA)</td>
<td>Resilience in Coastal Management</td>
<td><strong>Pierce Marsh Restoration:</strong> Collaboration, Paperwork, Challenges and Success with Restoring a Marsh with Mud</td>
<td>Restored Oyster Reefs Match the Function of Natural Reefs within a Decade</td>
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<td>Deanna Caracciolo Sea &amp; Shore Solutions LLC</td>
<td>Derek Brockbank Coastal States Organization</td>
<td><strong>Angela Sunley</strong> Texas General Land Office</td>
<td><strong>Bowdoin Lusk</strong> The Nature Conservancy</td>
<td><strong>Black vs. Blue Carbon in Mangroves and Seagrasses</strong></td>
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<td>The North Carolina Flood Resilience and Coastal Habitat Nexus</td>
<td>Opportunities and Challenges with the Beneficial Use of Federal Dredged Material for Estuaries</td>
<td><strong>Experimental Olympia Oyster Restoration in the Salish Sea; South Puget Sound</strong></td>
<td><strong>John Barry Gallagher</strong> University of Tasmania, Australia</td>
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<td>Todd Miller North Carolina Coastal Federation</td>
<td><strong>Joseph Berlin</strong> AECOM</td>
<td><strong>Jeff Barney</strong> Pierce County Floodplain and Watershed Services</td>
<td><strong>Assessing Seagrass, Salt Marsh and Mangrove Distribution in the Gulf of Mexico compared to North America with respect to Carbon Sinks</strong></td>
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<td>Coastal and Flood Resilience: State Policy and Community Engagement in New Jersey</td>
<td>Texas Dredged Material Planning for Wetland Restoration</td>
<td>Distribution, Abundance &amp; Connectivity: A Collaboration to Map Oysters from Baja California to British Columbia</td>
<td><strong>Gail Chemura</strong> McGill University</td>
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<td><strong>Nick Angarone</strong> New Jersey Department of Environmental Protection</td>
<td><strong>Ray Newby</strong> Texas Department of Transportation</td>
<td><strong>Aaron Kornbluth</strong> The Pew Charitable Trusts</td>
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<td>Community Engagement and Relationship-Building: Lessons from Louisiana and Beyond</td>
<td>Twenty Years of Marsh Restoration at Poplar Island: Successes, Challenges and the Focus for the Future of a Large-Scale Beneficial Use Project</td>
<td>Reflections on Nearly 30 Years of Oyster Sanctuaries in North Carolina</td>
<td><strong>Anita Thorhaug</strong> Greater Caribbean Energy and Environment Foundation</td>
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<td><strong>Jessica Simms</strong> Former Lead Outreach and Engagement Coordinator, Isle de Jean Charles Resettlement, Office of Community Development, State of Louisiana</td>
<td><strong>Lorie Staver</strong> University of Maryland Center for Environmental Science, Horn Point Laboratory</td>
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<td>Jefferson</td>
<td>Collaborating to Sustain a Unique Ecological and Cultural Treasure of America’s Gulf Coast, Dauphin Island, Alabama</td>
<td>MODERATOR: Roberta Swann, Mobile Bay National Estuary Program</td>
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<td>PANELISTS: Jeff Collier (Mayor, Town of Dauphin Island), Chris Blankenship (Commissioner, Alabama Department of Conservation and Natural Resources), Tina Sanchez (Director of Environmental Services, Mobile County), Chris Warn (Principal Managing Associate, Environmental Science Associates), Justin McDonald (Chief-Civil Works Programs &amp; Project Management Branch, United States Army Corps of Engineers)</td>
<td>Connecting Blue Carbon Experts and Federal Policy Makers MODERATOR: Hilary Stevens, Restore America’s Estuaries</td>
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<td>Improving Defense Community Coastal Resilience and Ecosystem Sustainability in the Southeast through Partnerships</td>
<td>Shelly Gruber, University of Georgia Marine Extension and Georgia Sea Grant</td>
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<td>PANELISTS: Christina Hoenow, COMPASS, Heather Mannix, COMPASS, Jaxine Wolfe, Smithsonian Environmental Research Center, Ashlyn Specter, NOAA Sea Grant Knauss Fellow, Melissa M. Baustian, USGS Wetland and Aquatic Research Center</td>
<td>Resilient Protection Frameworks: Facilitating Socio-Ecologically Adaptation to Sea Level Rise in Maryland’s Rural Landscapes MODERATOR: Jackie Specht, The Nature Conservancy</td>
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<td>Magazine</td>
<td>Developing SMART Objectives and Addressing Beyond-Project-Scale Monitoring Needs for Deepwater Horizon Restoration in Coastal Louisiana</td>
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## Concurrent Sessions 10

**Wednesday, December 7 | 1:30 pm – 3:00 pm**

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<td><strong>Measuring and Managing Plastic Pollution</strong></td>
<td><strong>Managing Coastal Systems for Habitat and Climate Resilience</strong></td>
<td><strong>Problem Solving for Coastal Law and Policy: Innovations from the Next Generation of Environmental Lawyers</strong></td>
<td><strong>Grain by Grain – Charting a Better Course to Beneficial Use of Dredged Material via Planning, Policy, and Practice for a More Resilient Coast</strong></td>
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<td><strong>MODERATOR:</strong> Victoria Salgado AECOM</td>
<td><strong>MODERATOR:</strong> Briana Yancy U.S. Environmental Protection Agency</td>
<td><strong>MODERATOR:</strong> Christopher Dalbom Tulane Institute on Water Resources Law &amp; Policy</td>
<td><strong>MODERATOR:</strong> Mike Molnar Manomet</td>
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Crowd Sourcing Plastic Pollution Data Throughout the Gulf of Mexico
Jace Tunnell University of Texas Marine Science Institute

Nurdle Remediation: Developing a 21st Century Restoration Approach to Plastics Pollution in the Coastal Zone
Ryan Fikes Freese and Nichols, Inc.

Occurrence of Microplastics in Tributaries to Galveston Bay
Zulmar Lucena U.S. Geological Survey

Integrating Climate Resilience in Strategic Planning to Restore Harvestable Shellfish Beds by Preventing and Reducing Pathogen Pollution in Puget Sound
Audrey Coyne Washington State Department of Health

Coordinating Marsh Models to Inform Decision Making
Elizabeth McNamee NOAA National Centers for Coastal Ocean Science

A Regional Needs Assessment to Help Build a Sustainable & Resilient Long Island Sound
Elizabeth Hornstein New York Sea Grant
Sarah Schaefer-Brown New York Sea Grant

Partnering with Others to Manage Habitat for Great Lakes Piping Plover
Liz Berg U.S. Fish and Wildlife Service

Restoring Forested Tidal Wetlands in the Pacific Northwest: The Once and Future Swamps
Laura Brophy Institute for Applied Ecology

Laws and policies developed in the 19th and 20th centuries were for a world very different than the one we are facing now. Nowhere is that more evident than in our coasts and estuaries. With a traditional, business-as-usual approach to those laws, the drastic responses necessary to respond to climate change and sea level rise will never be effectively implemented. Yesterday’s legal solutions are tomorrow’s legal roadblocks. Students in Tulane Law School’s Coastal and Wetlands Law seminar aren’t allowed to simply identify those legal and policy issues harming implementation of proper coastal management. Instead, they are challenged to bring innovation and problem solving to those issues. The result is a wide variety of innovative solutions to these issues. Solutions range from proposed regulatory language to constitutional amendments to newly crafted legal arguments for specific parties to challenge errant jurisprudence. In this session, we will hear from several of those students: they will give short presentations of their research and innovative solutions; they will discuss next steps in addressing issues in coastal law and policy; and they will address concerns from audience members with fresh new perspectives badly needed in the legal field. All of the students will have recently graduated from Tulane Law School in May 2022 or will be graduating in May 2023. Professor Christopher Dalbom will discuss the structure of the class and its goals. He will also address the class’ intended impact on the legal profession and coastal solutions.

How Legal Education Impacts Coasts in the 21st Century
Christopher Dalbom Tulane Institute on Water Resources Law & Policy

Beneficial Use of Dredged Materials for Habitat Restoration on the Atlantic Flyway – A Growth Opportunity
Mike Molnar Manomet

Sediment Placement Regulations for Coastal Restoration and Enhancement of U.S. Coastal States and Territories
Derek Brockbank Coastal States Organization

Dredged Material Management Plans (DMMPs) an Enhanced Tool in the DMMPs
Laurel Reichold U.S. Army Corps of Engineers

The Dredge Materials Decision Tool - Helping You Decide Where/whether to Beneficially Use Sediments Since 2021
Kathleen Williams U.S. Environmental Protection Agency

Advancing the Science and Practice of Beneficial Use through Collaboration and Partnership at the Seven Mile Island Innovation Laboratory (SMIIL) in Coastal New Jersey
Lenore Tedesco The Wetlands Institute
Wednesday Plenary

Future Faces of Restoration

Wednesday, 3:30 pm – 5:00 pm | Grand Ballroom

While our coasts and coastal communities face immeasurable threats, there are exciting new strategies to mitigate many of these challenges. This panel will center on some of the technological and social innovations that will foster resilient coasts and resilient coastal communities. While there is much to be concerned about, there are also many bright spots that we need to recognize and build upon.

Moderator

Halle Parker, Coastal Desk Reporter – WWNO

Halle Parker covers Louisiana’s environment for WWNO’s Coastal Desk, centering on environmental justice, climate change and the state’s coastal land loss crisis. Before coming to New Orleans Public Radio, she covered similar topics for the Times-Picayune | New Orleans Advocate and down the bayou for the Houma Courier.

The Virginia native has also worked for the National Audubon Society, the Richmond Times-Dispatch and the Danville Register & Bee.

Panelists

Franziska Trautmann - Co-CEO Glass Half Full

Franziska Trautmann, a Louisiana native, graduated with honors from Tulane University in Chemical and Biomolecular Engineering. As a senior in college, she and her co-founder, Max Steitz, founded Glass Half Full to recycle glass in New Orleans into sand and gravel. She currently serves as the CEO of the company, focusing on expanding their impact, such as using recycled glass sand in coastal restoration. She also keeps up with her own and Glass Half Full’s social media network of over 500,000 people from around the world. Additionally, Franziska and Max founded Nola Alchemy, which creates jewelry and Mardi Gras Beads from recycled glass, and Glassroots, a nonprofit dedicated to expanding access to recycling.

R. Ian Doromal - Co-Founder and Executive Vice President of ecoSPEARS

Ian Doromal is a co-founder and the Executive Vice President for ecoSPEARS with 15+ years of experience in organizational leadership, startups, and strategic sales and marketing. He oversees business development initiatives for ecoSPEARS, including community outreach, client procurement, and public relations, corporate strategy, and partnerships. Ian has been named Orlando Business Journal’s “40 Under 40” (twice) and OBJ “CEOs of the Year” for his proven business leadership in founding six separate startup companies. Ian earned his MBA in Marketing & Operations.
Shelby Thomas - Co-founder and CEO of the Ocean Rescue Alliance

Shelby is the founder and CEO of the Ocean Rescue Alliance, a marine conservation and restoration nonprofit organization, that implements innovative techniques to restore marine environments utilizing artificial structure to enhance marine environments, build marine habitat, conduct restoration, protect coastlines, and connect communities through art. She is an expert in marine restoration and conservation, receiving her master's in Marine Ecology and currently completing her PhD in Fisheries and Aquatic Sciences focused on Marine Biology with the University of Florida. She is an environmentalist and marine conservation advocate who hopes to inspire others to protect our environment. She has worked with various restoration projects including coral, seagrass, oyster, sea-urchin, and scallop restoration.

She is passionate about preserving our natural ecosystems and creating a foundation for their appreciation. Her nonprofit combines art to aid in communicating science to the public in impactful ways. The Ocean Rescue Alliance artificial reefs create complex habitat space, enable species specific restoration, and serve as ecotourism destinations that combine art and culture to connect the communities they serve.

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Stantec

Improving resiliency for coastal communities

Stantec is recognized as an innovator in the delivery of coastal storm risk reduction, water resources, navigation, and ecosystem restoration projects that support coastal programs across North America.

With a long legacy as a leading water management design firm, Stantec experts have increased our communities’ resilience through built interventions such as levees, pump stations, and floodwalls, as well as nature-based solutions like estuary and marsh creation/restoration, beach nourishment, and living shorelines. Our goal is to protect our communities from today's risks and help them adapt to a changing world.

Design with community in mind
Workshops & Trainings

Thursday

Use of Natural and Nature-Based Features in Estuarine Systems

Thursday, 9:00 am - 4:15 pm
Jackson Room

Pre-registration is required; $95 includes lunch

The US Army Corps of Engineers’ Engineering With Nature® (EWN®) initiative will lead a course on EWN practices and use of natural and nature-based features (NNBF) that promote coastal resilience, flood risk reduction, and enhanced ecosystem services. NNBF are landscape features (e.g., beaches, dunes, marshes, reefs, wetlands, etc.) that are used to provide engineering functions relevant to flood risk management, while producing additional economic, environmental, and/or social benefits. The course will highlight information from the 2021 USACE publication, “International Guidelines on the Use of Natural and Nature-Based Features for Flood Risk Management,” representing the current state of the science and the conceptualizing, planning, designing, engineering, and implementing NNBF projects.

This short course will provide participants (1) an overview of EWN practices and example projects that promote coastal resilience, flood risk reduction and enhanced ecosystem services; (2) an introduction to a diverse number of EWN solutions, which include a systems approach incorporating the use of NNBF; (3) a greater understanding of specific NNBF used in creating EWN solutions, including advances in practice since the publication of the NNBF guidelines; and (4) insight into current efforts to quantify EWN “triple win” outcomes, which include the analysis of engineering, environmental, and socio-economic benefits. Fundamental to any EWN activity or project is the importance of continuous community and stakeholder engagement. As such, examples of these dynamic relationships will also be discussed. Participants will have an opportunity to learn more about EWN research activities being led by a diverse consortium of organizations to address current and anticipated issues challenging our estuarine systems.

Food for Thought: How the Coasts Nourish Our Bodies and Communities

Thursday, 9:00 am - Noon
Canal Room

Pre-registration is required; $30

This dynamic workshop will pair a live food demonstration with storytelling and moderated discussion on the intersections of foodways, coastal communities, diversity, ecology, local knowledge, equity, and accessibility. The panel will include community partners, researchers, and science extension specialists representing the Gulf and coastal regions beyond sharing their experiences of how food connects us to place, supports culture and commerce, and reveals societal flaws. Case studies and discussion are likely to touch on such important questions as: how can research inform policies to protect subsistence practices and help preserve traditional and/or local knowledge; how is food an indicator of healthy coastal ecosystems; and can we ensure equity in access to food while promoting new food-based commercial endeavors such as tourism? Attendees will have the opportunity to leave behind their own stories of food and coastal culture as well as take home recipes and insights on food as an indicator of community well-being.
Blue Carbon Collaboratives: Developing and Leveraging Communities of Practice to Advance Blue Carbon in US Coastal States and Regions

Support for this workshop was provided by The Pew Charitable Trusts.

Thursday, 9:00 am - 1:00 pm
Royal Room

Pre-registration is required; $30 lunch is included

Coastal blue carbon habitats like salt marsh, mangroves and seagrasses are at the center of policy discussions around coastal resilience and increasingly climate mitigation due to their ability to sequester and store carbon while providing beneficial services to humans and wildlife. Coastal wetlands are natural carbon sinks, and US states with expansive coastlines are recognizing the importance of conserving these habitats to mitigate greenhouse gas emissions and climate-related impacts like sea-level rise. Inclusion of blue carbon in climate strategies can be challenging, and progress varies depending on a variety of factors such as data availability, funding resources and effective governance arrangements. To create capacity and support local and regional efforts, several state and regionally focused blue carbon collaborations have formed over the last 5 years to advance research, share information, forge connections, and help inform management and policy, including Pew's Blue Carbon Network. This workshop is intended for managers, researchers, NGOs, and other practitioners involved in state/regional blue carbon efforts who are interested in learning more about existing collaboratives, like the Pacific Northwest Blue Carbon Working Group, and exploring opportunities to create new communities of practice to advance blue carbon in state management and policy.

Using your Grant Programs to Improve DEIJ

Thursday, 9:00 am – Noon
Camp Room

Pre-registration is required; $30

Noting that society has under-invested in conservation and restoration throughout our coastal communities, there is additional research showing restoration funding mechanisms have under invested in environmental justice communities. The gap perpetuates the disparities between healthy ecosystems benefiting healthier communities and unhealthy ecosystems near less healthy communities. While there are many reasons for these gaps, this workshop will focus on using your grants process to help foster grant processes that can benefit all coastal communities and coastal ecosystems. The workshop will address:

- Establishing grant priorities that serve environmental justice communities
- Developing an outreach and engagement program
- Designing a grant application process that enables new applicants to apply
- Supporting awardees through the project process
- Facilitating an expansion of the initial grant based on program results
Communicating Your Science and Expertise with COMPASS

Thursday, 9:00 am - Noon
Magazine Room

Pre-registration is required; $50

40% of the US population lives on or near coastlines and estuaries, making impactful and effective communication about the science of these spaces more critical than ever. Grounded in the latest research on science communication, this workshop is designed to help scientists and technical experts build their communication skills and develop messages for the audiences they most want to reach. Participants will learn to share what they do, what they know - and most importantly, why it matters - in clear, lively terms, using a tool called the Message Box. Participants will be introduced to tools and strategies to help them communicate and distill what they know and why it matters for different audiences. This workshop will involve hands-on practice, feedback and an interactive exercise practicing your “elevator pitch.”

Since 1999, COMPASS has supported thousands of scientists to communicate about their work and engage beyond lab and field. We have connected them with journalists, policymakers, and community leaders across the United States, when and where it matters, ensuring science has a seat at the table.
SOC23 will consist of three days of presentations by leading experts in concurrent sessions, keynote talks, poster sessions and networking opportunities.

SOC23 will be one of the largest conferences of its kind, with 10 conference tracks providing an interdisciplinary forum to exchange timely and relevant information on the dynamic conditions of Louisiana’s coastal communities, environment and economy.

SOC23 will be attended by more than 1,000 scientists, landowners, land managers, federal and state agency personnel, local officials, industry and business leaders, resource users, students and residents of coastal communities.
## Poster Presentations

The Poster Hall features posters grouped into the following categories: Outreach, Education, and Engagement (OEE); Policy, Planning, and Funding (PPF); and Science, Technology, and Practice (STP). For poster abstracts please see the summit website: raesummit2022.estuaries.org/posters

### Outreach, Education and Engagement (OEE)

**OEE.1** Expansion of the Galveston Bay Foundation’s Oyster Shell Recycling Program  
Shannon Batte, Galveston Bay Foundation

**OEE.2** Targeted Outreach for Green Infrastructure in Vulnerable Areas (TOGI): A Pilot Study Empowering Historically Underserved Communities in Resiliency Actions  
Katlyn Fuentes, Chesapeake Research Consortium

**OEE.3** Conservation Districts Partnering to Conserve our Nation’s Coasts  
Mariah MacKenzie, National Association of Conservation Districts (NACD)

**OEE.4** Nature-Based Solutions: Community Volunteers Come Together to Help Defend a Vulnerable Coastal Town  
Brittany Collins, The Nature Conservancy

**OEE.5** Barge-ing Ahead for the Bay: The Prudence H. and Louis F. Ryan Mobile Oyster Restoration Center for Remote Setting  
Julie Luecke, Chesapeake Bay Foundation

**OEE.6** Going Further, Together: Values and Benefits of a Large Scale Regional Collaborative Group  
Lorie Staver, University of Maryland Center for Environmental Science

**OEE.7** Shorebird Science and Conservation Collective, A New Project to Translate Shorebird Tracking Data into On-The-Ground Conservation.  
Candace Stenzel, Smithsonian Migratory Bird Center

**OEE.8** Everyone Poops - Keeping Waste of Out Puget Sound One Load at a Time  
Jeff Barney, NW Mobile Pumpout and Environmental Services

**OEE.9** Crowd Sourcing Plastic Pollution Data Throughout the United States  
Tracy Weatherall, Mission-Aransas NERR

**OEE.10** Lessons Learned While Restoring Oysters to New York Harbor  
Jennifer Zhu, Billion Oyster Project

**OEE.11** Spreading Awareness and Prevention of Marine Debris through Community Cleanup Events  
Jessi James, Mississippi State University Extension Service

**OEE.12** Science in Action: Evaluating the Application of CTP Skills and Knowledge to Decision Making  
Patricia Hopp, ACE Basin National Estuarine Research Reserve, NOAA Ernest F. Hollings Scholar

**OEE.13** Fostering Water Quality Management and Flood Resilience with the Coast Watershed Game  
Brenna Sweetman, NOAA Office for Coastal Management

**OEE.14** Risk Communication: A Campaign for Coastal New Jersey  
Devon Blair, NJDEP

**OEE.15** The New and Improved NOAA NCEI Coastal Water Temperature Guide  
Jennifer Webster, National Oceanic and Atmospheric Administration (NOAA) / National Centers for Environmental Information (NCEI)

**OEE.16** Oyster Reef Exploration: Using Virtual Reality as a Method of Science Communication  
Katherine Harris, University of Central Florida
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OEE.17 Taking a Grassroots Approach: Local Community Science Partnership Pilots Environmental Justice Field Study for Phytoremediation Potential of Grasses on Common Contaminants in a Coastal Urban Park
Jacqueline Wu, Randall’s Island Park Alliance

OEE.18 Community Ambassadors: Learning from Outreach for a Largescale Living Shoreline Project in South Carolina
Nicole Pehl, The Nature Conservancy

OEE.19 Partnerships in Action: Integrating Estuary Restoration Techniques into Recreational Angling and Education
Kevin Swain, South Carolina Department of Natural Resources

OEE.20 WETshop: A Wetland Teacher Experience for Louisiana’s Educators
Lindsay Seely, LA Department of Wildlife and Fisheries

OEE.21 Stories from the Alabama Waterfront: Preserving the Oral Histories of Bayou La Batre
Jody Thompson, Auburn University

OEE.22 Using TNC Mapping Tools & Community Engagement to Enable Local Coastal Resilience Projects
Susan Bates, The Nature Conservancy

OEE.23 People of Guana: Collaborative Science, Heritage, and Working with Descendent Communities
Glenda Simmons-Jenkins, Florida Public Archaeology Network and Gullah/Geechee Nation

Policy, Planning, and Funding (PPF)

PPF.24 A Literature Review for Salt Marsh Insurance Feasibility Pilot Project
Hannah Crawford, The Nature Conservatory / Northeastern University

PPF.25 Flooding the Gulf: The Federal Response to a Declared Fishery Disaster Under the Magnuson-Stevens Act
Dave Storment, Louisiana Sea Grant / Louisiana State University

PPF.26 Uniting Partners and Resources to Protect Central and Southwest Florida’s Future Water, Wildlife, and Habitat: a Habitat Restoration Needs Plan for the Coastal & Heartland National Estuary Partnership Area
Nicole Iadevaia, Coastal & Heartland National Estuary Partnership (CHNEP)

PPF.27 Supporting Water Resources Planning through Long-Term Hydrological Monitoring in Texas Bays and Estuaries
Zulimar Lucena, U.S. Geological Survey

PPF.28 California Coastal Commission Whale Tail Grant Program Equity Analysis
Korrin Davis, California Coastal Commission

Michael Simmons, U.S. Army Corps of Engineers
Jessica Dell, U.S. Army Corps of Engineers

PPF.30 Equity of Living Shoreline Access in Pinellas County
Linden Cheek, University of South Florida

PPF.31 Barriers and Enablers of Living Shorelines in Florida
Carlie Dario, University of Miami

PPF.32 Developing a Louisiana Living Shorelines Permitting Guide
Sarah Morgan, Louisiana Sea Grant Law & Policy Program/Loyola Law School

PPF.33 Vulnerability and Resilience of U.S. Coastal Wetlands to Sea Level Rise
Kelly Van Baalen, Climate Central

PPF.34 Using Performance Measures for Restoration Evaluation and Assessment in the Florida Everglades
Tasso Cocoves, U.S. Army Corps of Engineers
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**PPF.35** The Everglades Vulnerability Analysis: An Iterative and Integrative Tool to Address Systemwide Uncertainties and Inform Decision-Making  
Jenna May, U.S. Army Corps of Engineers, Jacksonville District

**PPF.36** The REstoration, COoordination, and VERification (RECOVER) Mission: Evaluating and Assessing Everglades Restoration  
Rodrigo Sedeno, U.S. Army Corps of Engineers

**PPF.37** The Community Playbook for Healthy Waterways: Strategic Planning for Holistic Community Action  
Jon Thaxton, Gulf Coast Community Foundation

**PPF.38** Leading Legislation: The Value of the Coastal Wetlands, Planning, Protection, and Restoration Act  
Kacie Wright, Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA)

**PPF.39** Land Acquisition for Estuarine Conservation and Management: Leveraging Community Partnerships in Response to Rising Costs and Competition  
Savannah Horton, Texas Parks and Wildlife

**PPF.40** Collaboration Across the Coast: Public-Private Partnership Opportunities to Restore Louisiana’s Ecological Communities  
Jessica Converse, Louisiana Coastal Protection and Restoration Authority

**PPF.41** Recommendations to Reduce Coastal Wetland Loss through Interagency Collaboration  
Susan-Marie Stedman, NOAA Fisheries

**PPF.42** Restoration and Management of the Lower Perdido Islands in Orange Beach, AL  
Kate Dawson, Moffatt & Nichol

**PPF.43** A Model Approach to Ecological & Community Resilience in Oxford, Maryland  
Amanda Poskaitis, National Wildlife Federation

**PPF.44** Valuation of Ecosystem Services in Texas and the Limitations of Developing a Standard Methodology  
Victoria Salgado, AECOM

**PPF.45** Estimating the Vulnerability of the Property Protection Ecosystem Service of Tidal Wetlands to Climate Change  
Christina Folger, U.S. EPA/ORD/CPHEA/PESD

**PPF.46** Quantifying the Community Benefits of a Tidal Wetland Restoration Project in Oregon  
Lauren Senkyr, NOAA Restoration Center

**PPF.47** Resiliency for Compound Flooding: Preventing a Neighborhood from Being Stranded  
John Frey, Weston & Sampson Engineers

**PPF.48** Keeping It in the System: Beneficial Use of Dredged Sediment to Increase Resiliency  
Susan Cohen, University of North Carolina

**PPF.49** Undoing the Past and Putting the Wet Back into Wetlands: The Chocolate Bay Prairie Unit Example  
Michael Lane, Freese and Nichols, Inc.

**PPF.50** What Happens to a Wetland Ecosystem When Hydrological Issues Meet Environmental Policy Limitations?  
Chloe Van Grootheest, Huntington Beach Wetland Conservancy

**PPF.51** Understanding Bayou La Batre’s Marine Economy  
Marian Hanisko, NOAA Office for Coastal Management

**PPF.52** The Interagency Working Group on Ocean Acidification’s Strategic Plan for Federal Research and Monitoring of Ocean Acidification  
Courtney Cochran, NOAA Ocean Acidification Program

**PPF.53** Destin – Fort Walton Beach: Local government support for ecological research, restoration, and eco-tourism to improve quality of life.  
Michael Norberg, Okaloosa County Coastal Resources

**PPF.54** Looking Forward: Conservation Goals for the San Francisco Bay Area’s Estuary for 2035  
Nikki Roach, SF Bay Joint Venture
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Christopher Miller, USDA-NRCS Cape May Plant Materials Center

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Taylor Beck, DNREC Division of Coastal, Climate and Energy

**STP.57** Flooding Impacts of Hurricane Ian in Charlotte Harbor (Florida): What Was the Mitigation Role of Coastal Wetlands?  
Megan Kramer, University of South Florida

**STP.58** Living Shoreline Solutions with Tied Concrete Block Mat  
John Slupecki, Motz Enterprises, Inc.

**STP.59** Living Shoreline and Oyster Reef Creation to Improve Water Quality and Resiliency along Forked River Beach, Lacey Township, NJ  
Capt. Al Modjeski, American Littoral Society

**STP.60** Implementing Oyster- and Natural Fiber-based Living Shoreline Approaches to Reduce Shoreline Erosion and Saltmarsh Habitat Loss in South Carolina, USA in order to Increase Coastal Resiliency  
Graham Wagner, South Carolina Department of Natural Resources

**STP.61** Restoring Ecologically Beneficial and Resilient Infrastructure at the Mouth of the Maurice River  
Shane Godshall, American Littoral Society

**STP.62** Examining Sediment Contaminant Levels in Living Shorelines in Comparison to Both Natural and Armored Shorelines in Galveston Bay, Texas.  
Ryan Gilbert, Lee College/University of Houston-Clear Lake

**STP.63** Examining Sediment Macrobiotic, Microbial, and Nekton Communities in Living Shoreline Restoration Sites in Galveston Bay, Texas  
Myrah Urquidez, Lee College/UHCL

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Ashley Van Wieren, Lee College/UHCL

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Kirsten Ellis, CBWES Inc.

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Thomas Cancienne, Stantec

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Tiffany Lane, U.S. Fish and Wildlife Service

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Emma Dodsworth, Virginia Institute of Marine Science/ William & Mary

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William Rodney, Texas Parks and Wildlife Department

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Sarah Ashley, University of North Carolina Wilmington

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Jacob Berkowitz, U.S. Army Engineer Research and Development Center
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Robert Lane, Comite Resources

**STP.73** Where Are We Now? Integrating Site-Specific Observations and Modeling to Manage a National Preserve in the Mississippi River Delta
Julie Whitbeck, *Jean Lafitte National Historical Park and Preserve*

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Jeff Coogan, *Woods Hole Oceanographic Institution*

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Phillip Todd, *Atlantic Reefmaker*

**STP.76** Application of Unmanned Aerial Systems and Imagery Analysis in Classifying Coastal Marsh Vegetation and Habitat
Seth Chapman, *Louisiana State University Department of Oceanography and Coastal Sciences*

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Gary Sundin, *South Carolina Department of Natural Resources*

**STP.78** Twenty Years of Data and Counting: NCEI’s Hypoxia Watch as a Tool for Near-Real Time Monitoring of the Gulf of Mexico Hypoxic Event
Courtney Bouchard, *NOAA/NCEI*

**STP.79** Full-Capture Devices for Plastic Pellets (Nurdles)
Henry Hunt, *Roscoe Moss Company*

**STP.80** 2021 Peconic Estuary Annual Water Quality Report; Are We Meeting Our Goals for a Healthy Estuary?
Sara Cernadas-Martín, *Peconic Estuary Partnership*

**STP.81** Moving Water to Restore Rivers Wetlands and Estuaries in Central and Southwest Florida
Nicole Iadevaia, *Coastal & Heartland National Estuary Partnership (CHNEP)*

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Aaron Gondran, *National Park Service*

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Edward Buskey, *University of Texas Marine Science Institute*

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Sydney Williams, *University of Florida*

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Emalee Swisshelm, *University of New Orleans*

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Christopher Kelly, *School of Marine Science and Policy, College of Earth, Ocean, and Environment, University of Delaware*

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Kayleigh Granville, *University of Virginia*

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Jon Wiebe, *Louisiana Department of Wildlife and Fisheries*

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Denise Reed, *University of New Orleans*
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Jennie Graham, *CBWES Inc.*

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Kailey Nichols, *Saint Mary’s University & CBWES Inc.*

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Kayla Williams, *Saint Mary’s University & CBWES Inc.*

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Tony Bowron, *CBWES Inc.*

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Gina Paduano Ralph, *U.S. Army Corps of Engineers*

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Joseph Morton, *University of Florida*

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Matthew Parker, *Louisiana State University*

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Grace Medley, *Woods Hole Group*

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Matt Salmon, *Freese and Nichols*

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Safra Altman, *USACE Engineer Research and Development Center*

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Alizia Rhodes, *Texas A&M University at Galveston*

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Garret Thomassie, *USDA - Natural Resources Conservation Service*

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Andrew McQueen, *U.S. Army Engineer Research and Development Center*

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Joe Berg, *Biohabitats*

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Emily Suchonic, *University of Central Florida*

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Gabriel Benson, *University of Central Florida*

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Beatriz Marin-Diaz, *University of Florida*

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Hallie Fischman, *University of Florida*

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Emily Ott, *Nicholls State University*
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Casey Craig, Florida Fish and Wildlife Conservation Commission

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Terry Doss, Meadowlands Research & Restoration Institute - NJ Sports & Exposition Authority

**STP.112** Comparing Oyster Restoration Approaches on Grass Island Reef, Aransas Bay, Texas
Emma Clarkson, Texas Parks and Wildlife Department

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Leslie Townsell, University of Georgia

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Allison Fitzgerald, New Jersey City University

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Jeff Barney, Pierce County Floodplain and Watershed Services

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Brandon Champagne, Coastal Protection and Restoration Authority

**STP.117** A Comparative Analysis into the Ecology of Crassostrea Virginica Population Health in the Chesapeake Bay and Gulf of Mexico
Leila Avery, Loyola University New Orleans

**STP.118** How Low Can You Go? Expanding Oyster Tidal Niche with Induced Predator Defenses
Carter Lin, Dauphin Island Sea Lab

**STP.119** Zinc Incorporation During the Molting Cycle of Blue Crabs, Callinectes Sapidus
Lauren Eagon, Nicholls State University

**STP.120** Preliminary Study to Link Sediment Microplastics to the Shorebird Food Web in Caven Point, Liberty State Park (Jersey City, NJ)
Robert Belibrov, New Jersey City University

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Blair Miller, University of Louisiana at Lafayette

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Michael Daigneault, U.S. Fish and Wildlife Service

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Geresa-Leigh Luke, Stonybrook University

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Shasta Kamara, Nicholls State University

**STP.125** Tracing Energetic Connectivity Across Restored and Reference Salt Marsh Landscape Mosaics
Katherine Loesser, Louisiana State University

**STP.126** A Survey of Benthic Invertebrates in Saw Mill Creek, Hackensack River NJ
Ebony Chilin, New Jersey City University

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Heather Weitzner, ECOncrete

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Tehani Malterre, NOAA/South Slough National Estuarine Research Reserve (student at University of Hawaii at Manoa)

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Robert Horner, Weston & Sampson
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**STP.130 Monitoring Animal Use of Stabilized Shorelines with Wildlife Trail Cameras**  
Paul Sacks, Biology Department, Coastal and Estuarine Ecology Lab, University of Central Florida

**STP.131 Experimental Oyster Reef Restoration along the Mississippi Coastline**  
Amy Yarnall, USACE Engineer Research and Development Center

**STP.132 Oyster Reef Restoration Using Novel Biodegradable Elements in the Indian River Lagoon, FL**  
Luciana Banquero, University of Central Florida

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Joshua Hansen, Underwood & Associates

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Chris Becraft, Underwood & Associates
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Thank You

Restore America's Estuaries would like to send our most sincere thanks to our sponsors, presenters, and everyone who helped make the 2022 RAE Coastal & Estuarine Summit a success. We'd like to give a special thanks to our program committee members for helping construct the topics and agenda for this year's Summit.

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Kacie Wright  USGS  
Julia Wyman  Roger Williams Univ. School of Law/Rhode Island Sea Grant Legal Program

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We also want to offer our sincere thanks to RAE member group Coalition to Restore Coastal Louisiana for their support in planning the 2022 RAE Summit here in their hometown of New Orleans.
About Restore America’s Estuaries

Restore America’s Estuaries is a national alliance of 10 coastal conservation groups dedicated to restoring and preserving America’s estuaries and coasts. We are a powerful voice for coastal restoration in the nation’s capital.

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