



# COASTAL & ESTUARINE SUMMIT

Hosted by Restore America's Estuaries

*Resilient Coasts.  
Resilient Communities.*



**#RAESUMMIT22**

December 4-8, 2022  
New Orleans, LA



# 2024 COASTAL & ESTUARINE SUMMIT

HOSTED BY RESTORE AMERICA'S ESTUARIES

October 2024  
Chesapeake Bay Region



RESTORE  
AMERICA'S  
ESTUARIES

# 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.

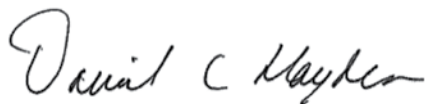
There is hope, though. Louisiana has invested billions of dollars in coastal restoration with support from Congress, federal agencies, and non-profits, such as RAE member group Coalition to Restore Coastal Louisiana (CRCL). In 2022, the state committed \$1.3 billion to restoration as part of Louisiana's 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



COASTAL &  
ESTUARINE  
SUMMIT

Hosted by Restore America's Estuaries

# Table of Contents

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President's Welcome Message .....	iii	Concurrent Sessions 4 .....	31-32
General Information .....	2-3	Summit Partners .....	33-34
Code of Conduct .....	4	Concurrent Sessions 5 .....	35-36
Summit Highlights and Events .....	5-6	Concurrent Sessions 6 .....	37-38
Summit Schedule At A Glance .....	7-8	Concurrent Sessions 7 .....	39-40
Facility Map.....	9	Concurrent Sessions 8 .....	41-42
Expo and Poster Hall Details .....	11	Concurrent Sessions 9 .....	43-44
Expo and Poster Hall Floor Plan .....	13	Concurrent Sessions 10.....	45-46
Exhibitor List By Number .....	14	Wednesday Plenary .....	47-48
Exhibitors & Sponsors Alphabetical.....	16-19	Workshops & Trainings.....	49-51
Restoration Project & Field Sessions .....	21	Poster Presentations.....	53-60
Workshops & Trainings .....	22	Program Presenter Index.....	61-65
Monday Plenary .....	23-24	Notes .....	66
Concurrent Sessions 1 .....	25-26	Thank You .....	67
Concurrent Sessions 2.....	27-28	About Restore America's Estuaries .....	68
Concurrent Sessions 3.....	29-30		



## 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](mailto:rae@estuaries.org) or find a RAE staff member at the Summit.



## 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-recorded 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

### #RAESUMMIT22

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.



@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

**DEIJA** – 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

**IJA** – 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

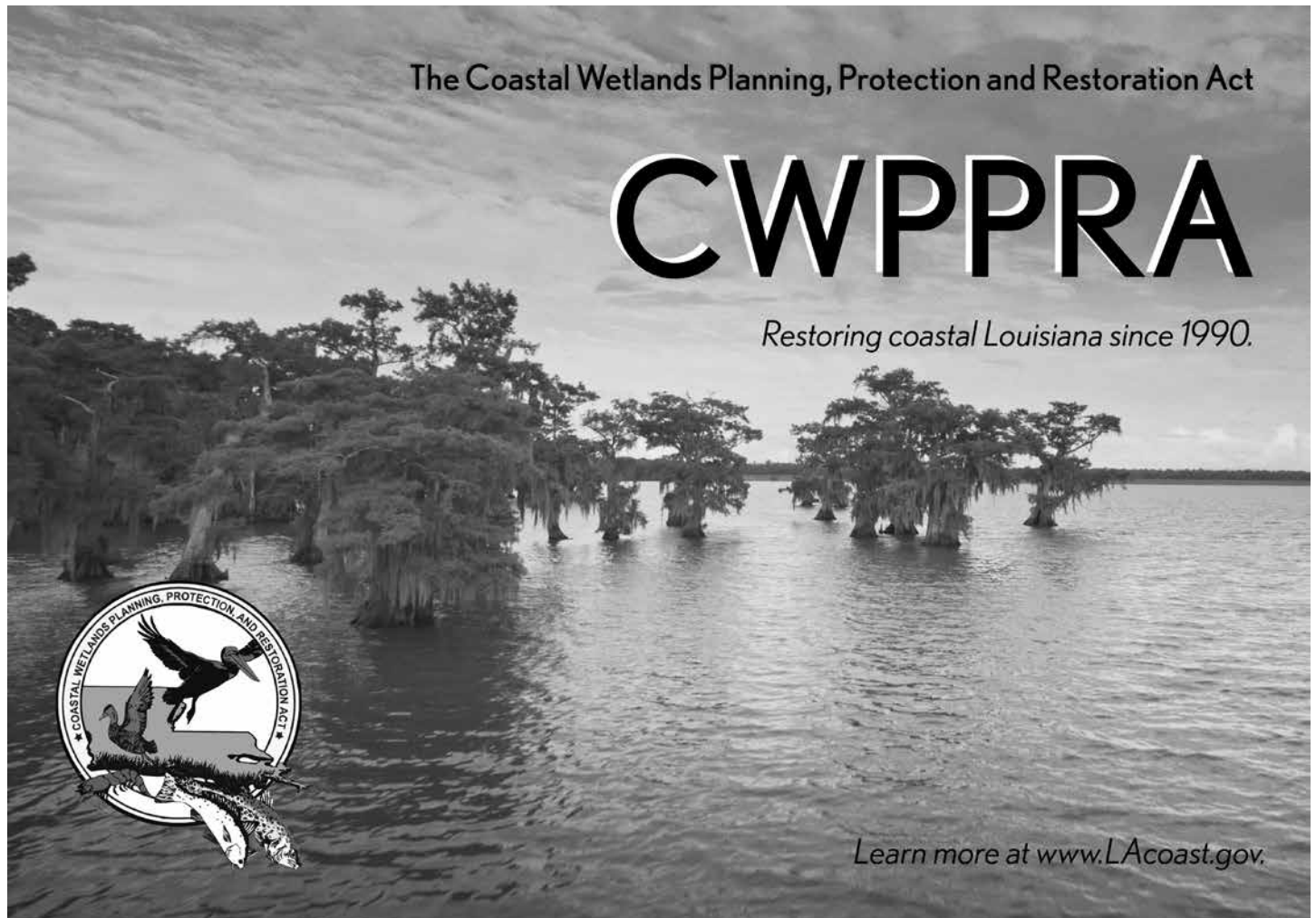
**TMDL** – Total Maximum Daily Load

**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





## 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](mailto: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

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](http://www.estuaries.org/donate).

## ESTUARIES



# Summit Highlights and Events

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## 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!

## 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.

## 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.

**RESTORE**  
THE MISSISSIPPI RIVER DELTA



## Poster Session Happy Hour

*Sponsored by Reef Ball Foundation*

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



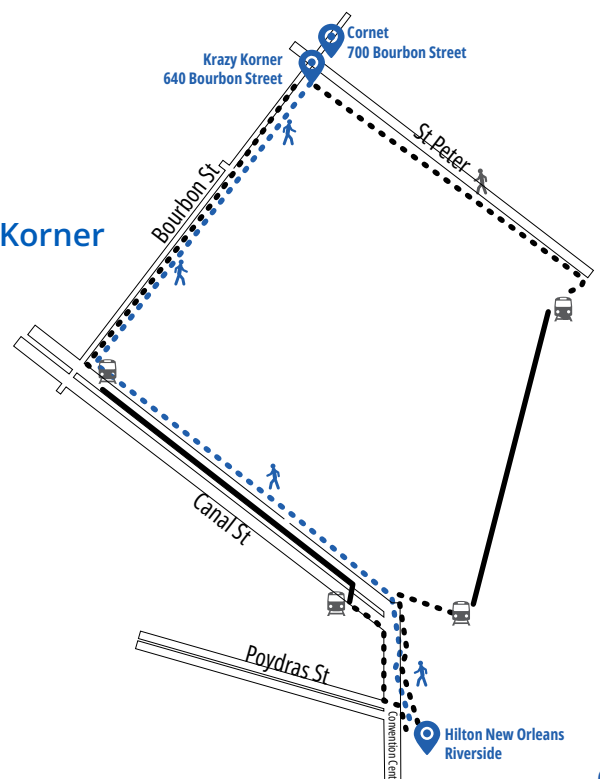
View posters and speak with poster presenters as you explore hundreds of innovative ideas, case studies, and promising research on display in the Expo and Poster Hall. Appetizers and a cash bar will be available.

## 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

## SCHEDULE AT A GLANCE

### Sunday, December 4

9:00 am – 4:30 pm **Field Sessions and Workshops (Pre-registration required)**

9:00 am – 3:00 pm Restoration Project

9:00 am – Noon Diving into the Digital Coast - Nature-based Solutions and Coastal Inundation Risk Information Parish Room

1:00 pm – 4:00 pm Using the Power of Media to Share Your Coastal Stories Fulton Room

1:30 pm – 4:30 pm Diving into the Digital Coast - Funding and Financing Resilience Parish Room

2:00 pm – 6:30 pm Registration Open

4:00 pm – 4:45 pm Summit 101: Summit Overview, Q&A Session Canal Room

5:30 pm – 7:30 pm President's Opening Reception Expo & Poster Hall  
**Sponsored by Restore the Mississippi River Delta**

### Monday, December 5

7:00 am – 6:30 pm Registration Open

7:00 am – 7:40 am Morning Yoga 3rd Floor Breezeway

7:30 am – 8:15 am Continental Breakfast Expo & Poster Hall

8:30 am – 10:30 am Monday Plenary Grand Ballroom

10:30 am – 11:00 am Morning Coffee Break Expo & Poster Hall

11:00 am – 12:30 pm Concurrent Sessions 1

12:30 pm – 2:00 pm Lunch on Your Own

2:00 pm – 3:30 pm Concurrent Sessions 2

3:30 pm – 4:00 pm Afternoon Coffee Break Expo & Poster Hall

3:40 pm – 4:00 pm Afternoon Yoga Mini-Break 3rd Floor Breezeway

4:00 pm – 5:30 pm Concurrent Sessions 3

5:30 pm – 7:30 pm Poster Session Happy Hour Expo & Poster Hall  
**Sponsored by Reef Innovations/Reef Ball Foundation**

### Tuesday, December 6

7:30 am – 6:00 pm Registration Open

7:00 am – 7:40 am Morning Yoga 3rd Floor Breezeway

7:30 am – 8:15 am Continental Breakfast Expo & Poster Hall

8:30 am – 10:00 am Concurrent Session 4

10:00 am – 10:30 am Morning Coffee Break Expo & Poster Hall



# Summit Schedule At A Glance

10:30 am – Noon	Concurrent Sessions 5	
Noon – 2:00 pm	Lunch on Your Own	
2:00 pm – 3:30 pm	Concurrent Sessions 6	
3:30 pm – 4:00 pm	Afternoon Coffee Break	Expo & Poster Hall
3:40 pm – 4:00 pm	Afternoon Yoga Mini-Break	3rd Floor Breezeway
4:00 pm – 5:30 pm	Concurrent Sessions 7	
6:30 pm – 9:30 pm	Coastal Networking Event <b>Sponsored by Tetra Tech</b>	Cornet & Krazy Korner in the French Quarter

## Wednesday, December 7

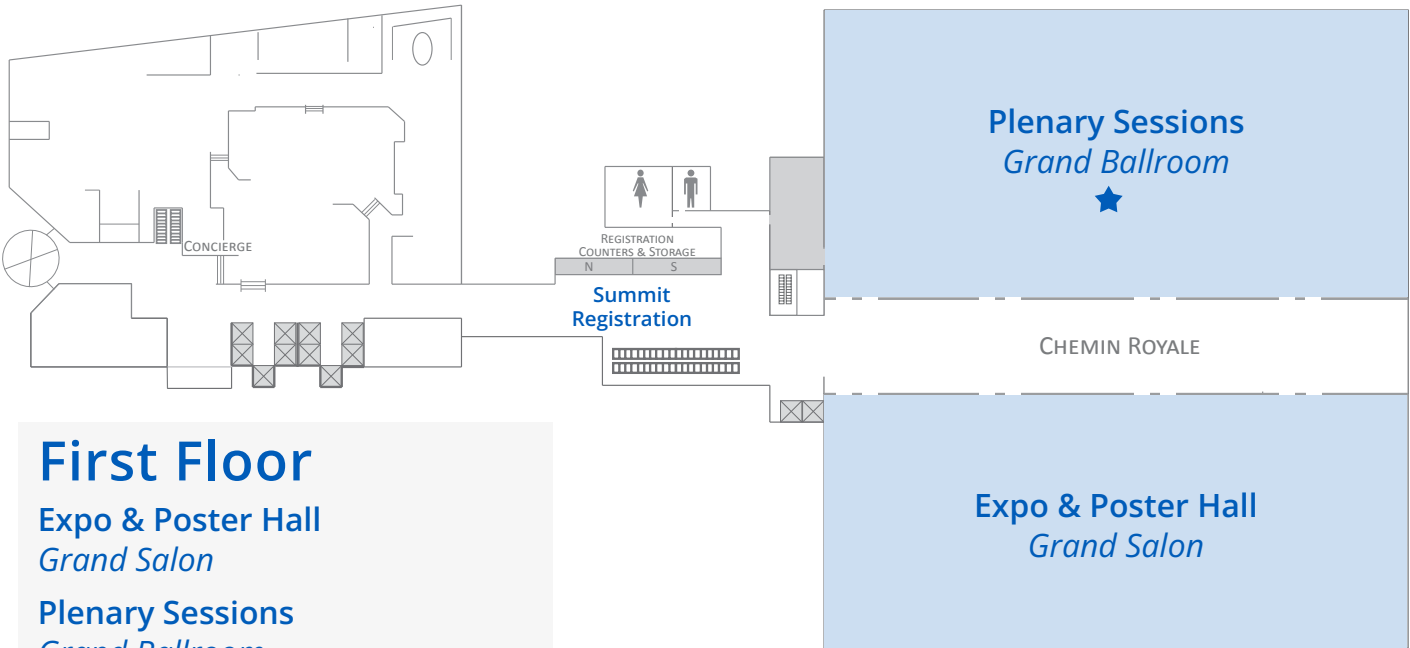
7:30 am – 5:00 pm	Registration Open	
7:00 am – 7:40 am	Morning Yoga	3rd Floor Breezeway
7:30 am – 8:15 am	Continental Breakfast	Expo & Poster Hall
8:30 am – 10:00 am	Concurrent Sessions 8	
10:00 am – 10:30 am	Morning Coffee Break	Expo & Poster Hall
10:30 am – Noon	Concurrent Sessions 9	
Noon – 1:30 pm	Lunch on Your Own	
1:30 pm – 3:00 pm	Concurrent Sessions 10	
3:00 pm – 3:30 pm	Afternoon Coffee Break	Chemin Royale
3:10 pm – 3:30 pm	Afternoon Yoga Mini-Break	3rd Floor Breezeway
3:30 pm – 5:00 pm	Wednesday Plenary	Grand Ballroom

## Thursday, December 8

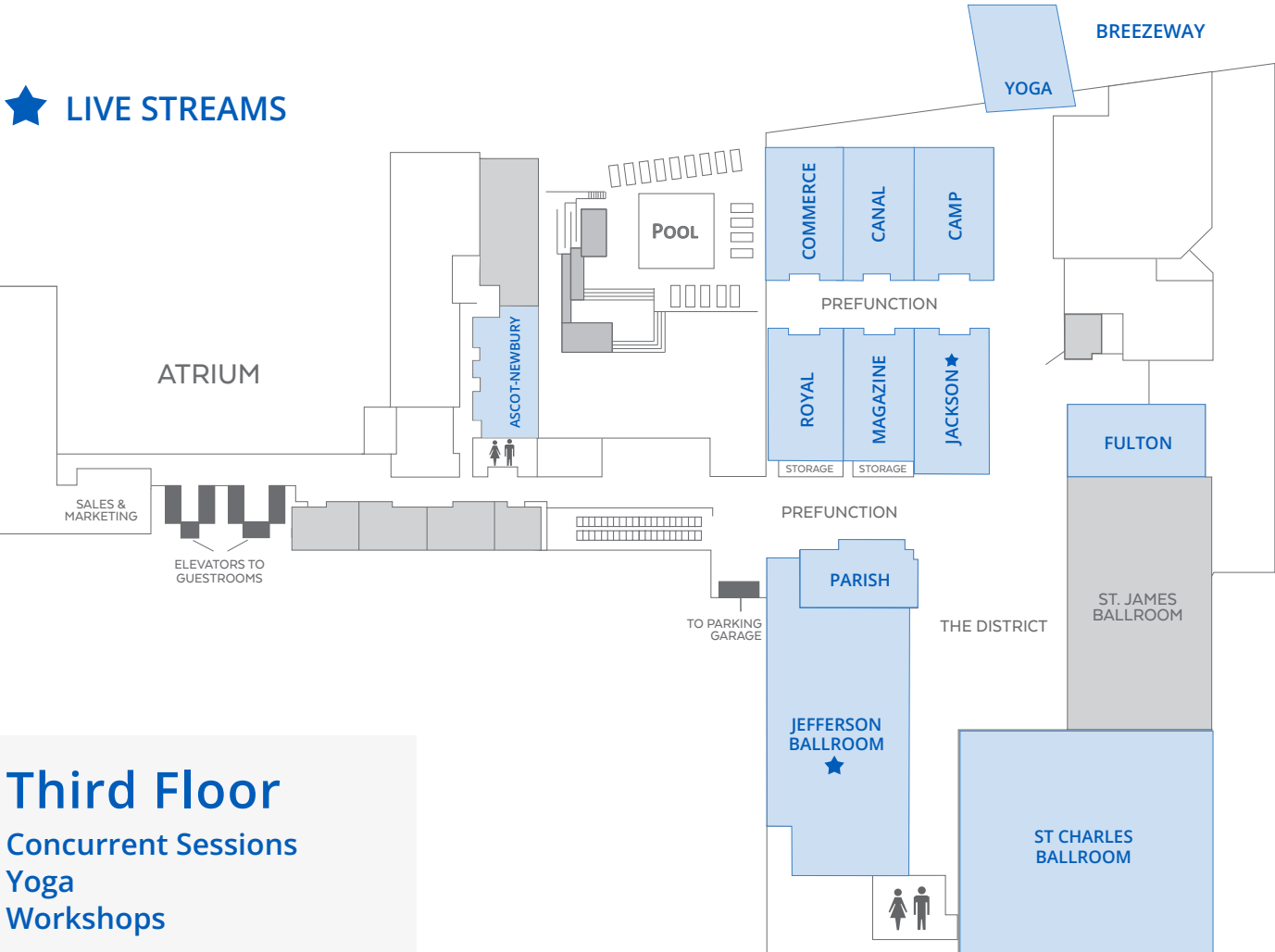
<b>Workshops:</b>		
9:00 am – 4:15 pm	Use of Natural and Nature-Based Features in Estuarine Systems	Jackson Room
9:00 am – Noon	Food for Thought: How the Coasts Nourish Our Bodies and Communities	Canal Room
9:00 am – 1:00 pm	Blue Carbon Collaboratives: Developing and Leveraging Communities of Practice to Advance Blue Carbon in US Coastal States and Regions	Royal Room
9:00 am – Noon	Using your Grant Programs to Improve DEI	Camp Room
9:00 am – Noon	Communicating Your Science and Expertise with COMPASS	Magazine Room

# Facility Map

Hilton New Orleans Riverside



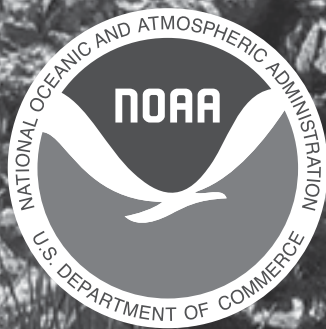
## ★ LIVE STREAMS





# Protect • Conserve • Restore

**NOAA works with  
partners across the  
country to conserve  
habitat for vibrant  
coastal communities  
and ecosystems.**



Learn more at [noaa.gov](https://www.noaa.gov)

# Expo and Poster Hall

*Welcome to the Hub of the Summit*

## Expo Hall Hours:

<b>Sunday</b>	5:30 pm – 7:30 pm
<b>Monday</b>	7:30 am – 7:30 pm
<b>Tuesday</b>	7:30 am – 5:30 pm
<b>Wednesday</b>	7:30 am – Noon

## 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

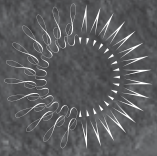
*Sponsored by Reef Ball Foundation*

**Monday, 5:30 pm – 7:30 pm**



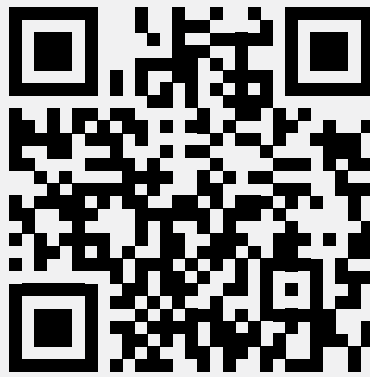
View nearly 140 posters and speak with poster presenters as you explore hundreds of new ideas, case studies, and promising research on display in the Expo and Poster Hall. The happy hour is a great way to meet and talk with poster presenters and discover the latest ideas in science, policy, and management. Light appetizers will be provided and a cash bar is available.





THE PEW CHARITABLE TRUSTS

**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



@PewEnvironment



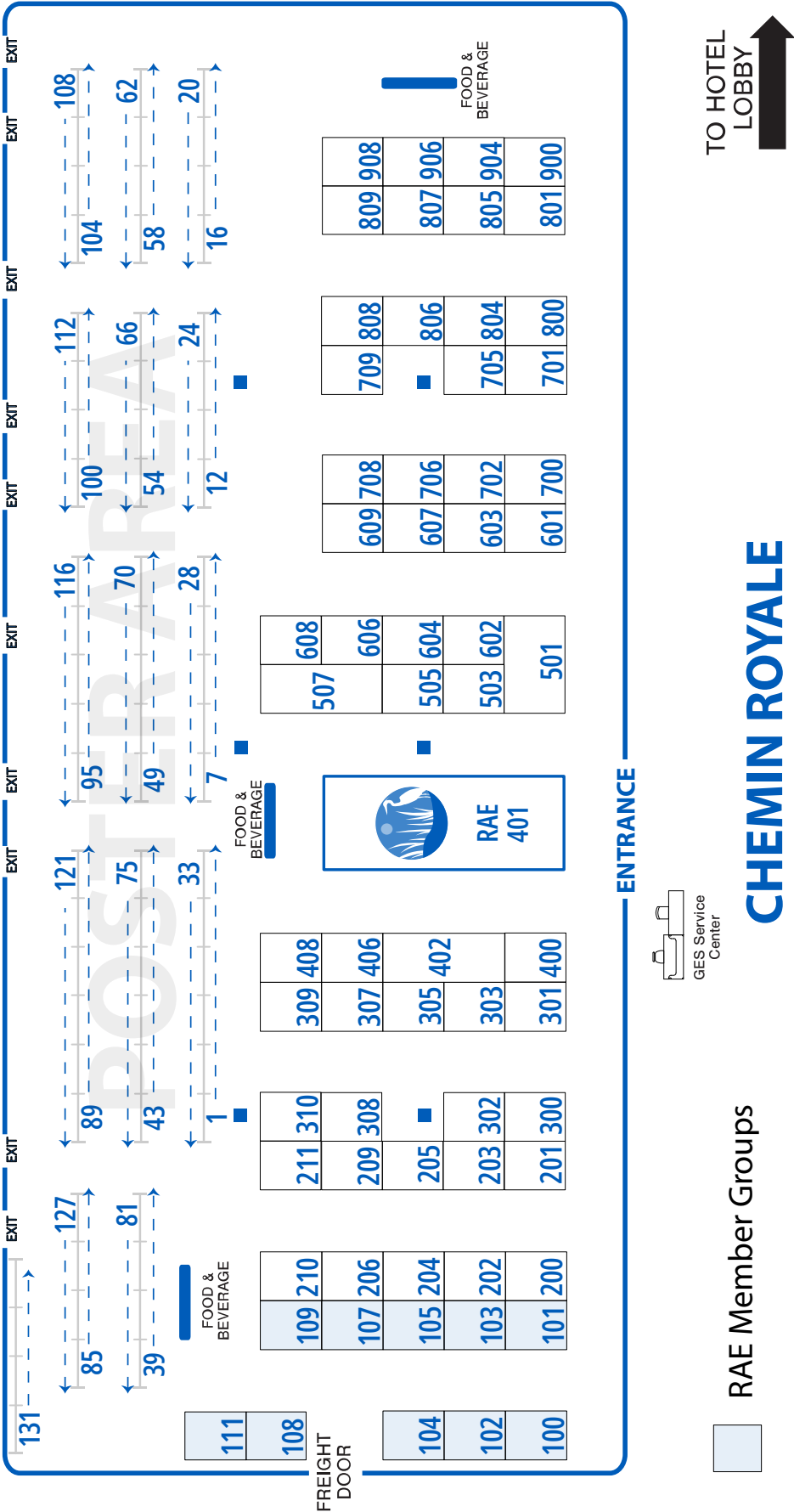
pewenvironment



@PewEnvironment

# Expo and Poster Hall Floor Plan

Grand Salon





# Exhibitor List

*by booth number*

Booth	Company/Organization
<b>100</b>	Galveston Bay Foundation
<b>101</b>	Coalition to Restore Coastal Louisiana
<b>102</b>	Save The Bay - Narragansett Bay
<b>103</b>	American Littoral Society
<b>104</b>	Tampa Bay Watch
<b>105</b>	Chesapeake Bay Foundation
<b>107</b>	North Carolina Coastal Federation
<b>108</b>	EarthCorps
<b>109</b>	Save the Sound
<b>111</b>	Save The Bay - San Francisco
<b>200</b>	YSI/Sontek, Xylem Brands
<b>201</b>	J.F. Brennan Company, Inc.
<b>202</b>	ecoSPEARS
<b>204</b>	Ocean Conservancy
<b>206</b>	AECOM
<b>209</b>	ECONcrete
<b>210</b>	EA Engineering, Science, and Technology, Inc., PBC
<b>211</b>	Coastal Wetlands Planning, Protection, and Restoration Act
<b>300</b>	Black In Marine Science
<b>301</b>	Moffatt & Nichol
<b>302</b>	Freese & Nichols
<b>303</b>	National Sea Grant College Program
<b>305</b>	RES
<b>307</b>	Osprey Initiative
<b>308</b>	Flexamat (Motz Enterprises, Inc.)
<b>309</b>	Indian River Lagoon Council
<b>310</b>	Land Trust Alliance
<b>400</b>	Storm Water Systems, Inc.
<b>401</b>	Restore America's Estuaries
<b>402</b>	The Pew Charitable Trusts

Booth	Company/Organization
<b>406</b>	Tetra Tech
<b>408</b>	The Ocean Foundation
<b>501</b>	National Oceanic and Atmospheric Administration
<b>503</b>	Stantec
<b>505</b>	The Curtis & Edith Munson Foundation
<b>507</b>	USDA Natural Resources Conservation Service
<b>601</b>	Coastal and Estuarine Research Federation
<b>602</b>	SouthWings
<b>603</b>	National Parks Conservation Association
<b>604</b>	Lynker
<b>606</b>	Center for Sustainable Engagement and Development
<b>607</b>	Voss Signs
<b>608</b>	Reef Ball Foundation
<b>609</b>	AquaTech Eco Consultants
<b>700</b>	National Wildlife Federation
<b>701</b>	Living Shoreline Solutions, Inc.
<b>702</b>	Restore the Mississippi River Delta
<b>705</b>	Envirolok
<b>708</b>	Woods Hole Group
<b>709</b>	Roscoe Moss Company
<b>800</b>	Tulane Law School
<b>801</b>	U.S. Fish and Wildlife Service Coastal Program
<b>806</b>	Environmental Defense Fund
<b>807</b>	The Nature Conservancy
<b>808</b>	Industrial Fabrics/Premier Concrete Products
<b>809</b>	Pensacola & Perdido Bays Estuary Program
<b>900</b>	HDR
<b>904</b>	Chesapeake Bay Program
<b>906</b>	In-Situ
<b>908</b>	Walton Family Foundation

# Natural Resources Conservation Service

**NRCS works with private landowners and cooperating partners to protect and restore America's coastal wetlands.**

**Stop by the USDA/NRCS  
booth space 507**



**[www.nrcs.usda.gov](http://www.nrcs.usda.gov)**

# Exhibitor & Sponsor Information

## Alphabetical by Organization

### 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.nationalestuarines.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  
kwmwright@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  
swhitin@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@tsctrategic.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*

# Exhibitor & Sponsor Information

## Alphabetical by Organization

### 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  
ddefreese@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](http://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*



# Exhibitor & Sponsor Information

## Alphabetical by Organization

### 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@nacdn.net  
www.nacdn.net  
*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@ncccoast.org  
www.ncccoast.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.ppbeep.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@tetrattech.com  
www.tetrattech.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 # 608

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



pH (total scale)   
ultra-trace O<sub>2</sub>   
(high speed) O<sub>2</sub> 



# Restoration Project & Field Sessions

SUNDAY

## 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*



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*



Queen Bess Island Restoration and  
Adaptive Management

9:00 am - 3:00 pm

*Hosted by LDWF, CPRA, Coalition to Restore  
Coastal Louisiana*



Large-Scale Upper Barataria  
Marsh Creation

10:00 am - 3:00 pm

*Hosted by Restore the Mississippi River Delta,  
Weeks Marine, Inc., and NOAA*



Maurepas Swamp Kayak Tour

9:00 am - 3:00 pm

*Hosted by Lost Lands Tours*



Bayou St. John Kayak Tour

10:00 am - 2:00 pm

*Hosted by Kayak-iti-Yat*





## 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

MONDAY

## 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

MONDAY

	Jefferson	Jackson	Magazine	Royal	Commerce
Session	<p><b>"The center of all good things": Indigenous Leadership and Partnerships in Estuary Stewardship</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Deanna Erickson</b> <i>Lake Superior National Estuarine Research Reserve</i></p>	<p><b>Choosing Words, Film, Videos, and Art that Engage Coastal Communities</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Rebecca Roth</b> <i>National Estuarine Research Reserve Association</i></p>	<p><b>Planning for the Future of Coastal Louisiana: Developing the 2023 Coastal Master Plan</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Krista Jankowski</b> <i>Louisiana Coastal Protection and Restoration Authority</i></p>	<p><b>Disaster Planning, Response and Recovery</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Kelly Samek</b> <i>NOAA Sea Grant</i></p>	<p><b>Coastal Habitat Restoration</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>David Lewis</b> <i>Save The Bay - San Francisco</i></p>
Details	<p><b>Community, State, and Federal Partnership: The Three Pillars of a More Stable Form of Co-Management</b> <b>Kawika Winter</b> <i>He'eia National Estuarine Research Reserve; Hawai'i Institute of Marine Biology</i></p> <p><b>Ojibwe Stewardship of Chi-Gami Ziibi, the St. Louis River</b> <b>Thomas Howes</b> <i>Fond du Lac Band of Lake Superior Chippewa</i></p> <p><b>The Role and Importance of Culturally Significant Species in Restoration Projects</b> <b>Alice Yeates</b> <i>South Slough National Estuarine Research Reserve</i></p> <p><b>Ashley Russell</b> <i>Confederated Tribes of Coos, Lower Umpqua, Siuslaw</i></p> <p><b>Tehani Malterre</b> <i>University of Hawai'i at Manoa; NOAA EPP/MSI</i></p> <p><b>Using Data Collection to Support Tribal Relationship Building and Co-Management Decision Making</b> <b>Jen Ballinger</b> <i>USDA Forest Service</i></p> <p><b>Co-Managers in the Restoration and Protection of Puget Sound</b> <b>Lea Anne Burke</b> <i>Tribal Liaison, Puget Sound Partnership</i></p>	<p><b>Birds of America: How Birds Save Us</b> <b>Matt Aeberhard</b> <i>Wildlife Cinematographer</i></p> <p><b>Reaching Everyday Citizens through Video and Social Media</b> <b>Jace Tunnell</b> <i>Mission Aransas National Estuarine Research Reserve</i></p> <p><b>Water Words that Work 2022</b> <b>Eric Erckl</b> <i>Water Words That Work, LLC</i></p> <p><b>Creating Art with Inspiration from the Natural World</b> <b>Ayesha Gray</b> <i>Grand Bay Reserve</i></p>	<p><b>Predictive Landscape Modeling for Coastal Planning using the Integrated Compartment Model (ICM)</b> <b>Eric White</b> <i>Louisiana Coastal Protection and Restoration Authority</i></p> <p><b>Uncertainty, Scenarios, and Projections of Landscape Change</b> <b>Stu Brown</b> <i>Louisiana Coastal Protection and Restoration Authority</i></p> <p><b>Engaging Stakeholders to Develop Restoration Project Concepts</b> <b>Ashley Cobb</b> <i>Louisiana Coastal Protection and Restoration Authority</i></p> <p><b>Predictive Modeling of Wetlands, Vegetation, and Soils in Coastal Louisiana</b> <b>Madeline Foster-Martinez</b> <i>University of New Orleans</i></p> <p><b>Evaluating Restoration Project Impacts on Coastal Louisiana Habitat Suitability Indices</b> <b>Laura D'Acunto</b> <i>U.S. Geological Survey</i></p>	<p><b>Evaluating the Impact of Inter-Tidal Wetlands on Storm Surge Flooding and Damages in Galveston Bay: Case Study of Hurricane Ike</b> <b>Zaid Al-Attabi</b> <i>Department of Coastal Studies/East Carolina University/Coastal Studies Institute</i></p> <p><b>Louisiana Sea Grant Hurricane Ida Response: A Community Approach</b> <b>Melissa Daigle</b> <i>Louisiana Sea Grant</i></p> <p><b>Barge Recovery and Barrier Island Habitat Restoration, San Jose Island, Aransas County, Texas</b> <b>Sara Flaherty</b> <i>Anchor QEA</i></p>	<p><b>Estuarine Rookery Islands: Habitat Loss and Restoration/Creation Challenges</b> <b>Cameron Perry</b> <i>HDR</i></p> <p><b>Kelp Forest Restoration and Conservation in Puget Sound: Building Momentum, Re-Growing Forests, and Planning for Action</b> <b>Jodie Toft</b> <i>Puget Sound Restoration Fund</i></p> <p><b>Nueces Bay Rookery Islands: Habitat Restoration and Monitoring</b> <b>Rosario Martinez</b> <i>Coastal Bend Bays &amp; Estuaries Program</i></p> <p><b>Seagrass Habitat Restoration in West Bay, St. Andrew Bay, Florida</b> <b>Becca Hatchell</b> <i>Florida Fish and Wildlife Conservation Commission</i></p> <p><b>Rebuilding a Collapsed Hard Clam (Mercenaria Mercenaria) Population, Restoring Seagrass Meadows, and Eradicating Harmful Algal Blooms in a Temperate Lagoon using Spawner Sanctuaries</b> <b>Michael Doall</b> <i>School of Marine &amp; Atmospheric Sciences, Stony Brook University</i></p>



# Concurrent Sessions 1

Monday, December 5 | 11:00 am – 12:30 pm

Canal	St Charles	Fulton	Parish	Camp	Remote 1	Session
<p><b>Pursuing Blue Carbon: How Climate Mitigation Values are Driving Coastal Wetland Mapping, Science and Restoration Projects in the US</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Stefanie Simpson</b> <i>The Nature Conservancy</i></p>	<p><b>Preparing for Your DEIJ Initiative</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Mariah Davis</b> <i>NWF/Choose Choose Clean Water Coalition</i></p>	<p><b>Outreach and Social Marketing</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Elsa Schwartz</b> <i>Restore America's Estuaries</i></p>	<p><b>Collaborating on Wetland Restoration - Performance Metrics to Adaptive Management in Action!</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Donna Ball</b> <i>San Francisco Estuary Institute</i></p>	<p><b>Design and Development of Living Shorelines</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Peter Clark</b> <i>Tampa Bay Watch</i></p>	<p><b>Remote Session I</b></p>	
<p>Understanding Seagrass Carbon Variability in the Port of San Diego <b>Lindsey Sheehan</b> <i>Environmental Science Associates</i></p> <p>Assessing Blue Carbon Market Potential in Texas <b>Lauren Williams</b> <i>The Nature Conservancy</i></p> <p>Mapping Blue Carbon and SLR in US Climate Alliance States <b>Katie Warnell</b> <i>Duke University</i></p> <p>Utilizing Blue Carbon to Support Coastal Wetland Restoration in Maryland <b>Elliott Campbell</b> <i>Maryland Department of Natural Resources</i></p> <p>Blue Carbon Offsets from Seagrass Restoration in Virginia <b>Jill Bieri</b> <i>The Nature Conservancy</i></p>	<p>The workshop will leverage the readiness tool created by the Choose Clean Water Coalition to create an interactive workshop.</p> <p>The contents will include:</p> <ul style="list-style-type: none"> <li>• Overview of DEIJ</li> <li>• Overview of the Tool</li> <li>• Breakout groups to discuss individual sections</li> <li>• Report out on lessons learned</li> <li>• Creating DEIJ partners for post-event support</li> </ul>	<p>Using Social Marketing to Improve Shoreline Management <b>Rachel Felver</b> <i>Alliance for the Chesapeake Bay</i></p> <p>Climate Education and Outreach for Sportsmen and Women <b>Tiffany Turner</b> <i>Theodore Roosevelt Conservation Partnership</i></p> <p>Increasing Public Awareness and Action in the Gulf of Mexico Region using Social Media Messaging <b>Christina Mohrman</b> <i>Gulf of Mexico Alliance</i></p> <p>A Social Marketing Campaign to Reduce Sanitary Sewer Overflows in Tampa Bay <b>Joe Whalen</b> <i>Tampa Bay Estuary Program</i></p> <p>Coastal Restoration Toolkit - An Online Resource to Launch a Restoration Project in Your Community <b>Elsa Schwartz</b> <i>Restore America's Estuaries</i></p>	<p>The WRMP Science Framework and Monitoring Network <b>Donna Ball</b> <i>San Francisco Estuary Institute</i></p> <p>Connecting People and Wetlands through Collaborative Science <b>Alex Thomsen</b> <i>San Francisco Estuary Partnership</i></p> <p>Innovative Funding and Regulatory Partnerships in the WRMP <b>Luisa Valiela</b> <i>U.S. Environmental Protection Agency</i></p> <p>Finding One Voice: Aligning Indicators Across Various Regional Initiatives to Generate Unified Messaging about Estuarine Health <b>Letitia Grenier</b> <i>San Francisco Estuary Institute</i></p> <p>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 <b>Jessie Olson</b> <i>Save The Bay - San Francisco</i></p>	<p>Using Nature-Based Restoration to Initiate System Change and Improve Resiliency to Water Level Fluctuation <b>Joe Berg</b> <i>Biohabitats</i></p> <p>The Effect of Habitat Complexity and Grazing on Intertidal Communities: Implications for Eco-Engineering Seawalls <b>Corryn Knapp</b> <i>San Francisco State University</i></p> <p>Cat Point Living Shoreline Taylor Engineering, Inc. and the Florida Department of Environmental Protection's Central Panhandle Aquatic Preserves <b>Duncan Greer</b> <i>Taylor Engineering, Inc.</i></p> <p><b>Jonathan Brucker</b> <i>Florida Department of Environmental Protection</i></p> <p>Adult Lincoln Logging: Construction of Two Living Shoreline Projects in California <b>David Revell</b> <i>Integral Consulting</i></p> <p>Lessons Learned: Innovative Approaches for Designing and Installing Living Shorelines in an Urban River <b>Joe Rieger</b> <i>Elizabeth River Project</i></p>	<p>South Sound Clean Water Partners: A Coalition Approach to Recovering Shellfish <b>Barbara Ann Smolko</b> <i>Pierce County</i></p> <p>A Rising Tide? The Role of Social Networks for Women Oyster Farmers in Maine and New Hampshire <b>Natalie Lord</b> <i>University of New Hampshire</i></p> <p>Salt Marsh Climate Adaptation: Using Runnels to Adapt to Accelerating Sea Level Rise within a Drowning New England Salt Marsh <b>Danielle Perry</b> <i>Mass Audubon</i></p> <p>Nature-Based Coastal Resilience and Insurance: Protecting Nature to Protect People <b>Eric Roberts</b> <i>The Nature Conservancy</i></p> <p>Transforming Restoration Science: Multiple Knowledges and Community Research Co-generation in the Klamath and Duwamish Rivers <b>James Lee</b> <i>University of Washington</i></p>	
						Details

MONDAY

# Concurrent Sessions 2

Monday, December 5 | 2:00 pm – 3:30 pm

MONDAY

	Jefferson	Jackson	Magazine	Royal	Commerce
Session	<p><b>What Does Your NEP Want to Be?</b></p> <p>---</p> <p><b>MODERATORS:</b></p> <p><b>Robert M. Baron</b> <i>Tetra Tech, Inc.</i></p> <p><b>Erin Hague</b> <i>Tetra Tech, Inc.</i></p> <p><b>Bob Murphy</b> <i>Tetra Tech, Inc.</i></p>	<p><b>EPA's Southeast New England Program (SNEP): Getting to Regional Coastal Ecosystem Restoration</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Margherita Pryor</b> <i>U.S. Environmental Protection Agency, Region 1</i></p>	<p><b>Introducing the Louisiana Watershed Initiative: A Large Scale, Multi-Agency Initiative for Water Resources Management</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Sarah McEwen</b> <i>AECOM</i></p>	<p><b>Building Disaster Resilience at the National Estuarine Research Reserves of the Gulf of Mexico</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Matt Chasse</b> <i>NOAA Office for Coastal Management</i></p>	<p><b>Estuarine Restoration in the Comprehensive Everglades Restoration Plan (CERP)</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Phyllis Klarmann</b> <i>South Florida Water Management District</i></p>
Details	<p><b>PANELISTS:</b></p> <p><b>Roberta Swann</b> <i>Mobile Bay National Estuary Program</i></p> <p><b>Kathy Hill</b> <i>Indian River Lagoon National Estuary Program</i></p> <p><b>Pam DiBona</b> <i>MassBays National Estuary Partnership</i></p> <p><b>Mark Tedesco</b> <i>Long Island Sound Study</i></p> <p><b>Roman Jesien</b> <i>Maryland Coastal Bays Program</i></p> <p><b>Laura Blackmore</b> <i>Puget Sound Partnership</i></p> <p><b>Anna Fagan</b> <i>Delaware Center for the Inland Bays</i></p>	<p><b>Overview of SNEP Pipeline</b></p> <p><b>Margherita Pryor</b> <i>U.S. EPA, Region 1</i></p> <p><b>Overview: Getting It Done</b></p> <p><b>Elizabeth Scott</b> <i>SNEP Network</i></p> <p><b>Pipeline Overview: SNEP Network</b></p> <p><b>Phaeng Southisombath</b> <i>Environmental Finance Center, University of Southern Maine, SNEP Network</i></p> <p><b>Pipeline Overview: SNEP Watershed Implementation Grants</b></p> <p><b>Tom Ardito</b> <i>Restore America's Estuaries</i></p> <p><b>Technical Assistance: Getting It Done</b></p> <p><b>Dean Audet</b> <i>Fuss &amp; O'Neill</i></p>	<p><b>Introducing the Louisiana Watershed Initiative</b></p> <p><b>Patrick Forbes</b> <i>Louisiana Office of Community Development</i></p> <p><b>Watershed Modeling in Louisiana</b></p> <p><b>Billy Williamson</b> <i>Louisiana Department of Transportation and Development</i></p> <p><b>Aligning State Agencies with the Louisiana Watershed Initiative</b></p> <p><b>Jeffrey Giering</b> <i>Governor's Office of Homeland Security and Emergency Preparedness</i></p> <p><b>A Regional Perspective on the Louisiana Watershed Initiative</b></p> <p><b>Patrick Gordon</b> <i>South Central Planning and Development Commission</i></p>	<p><b>Hurricane Recovery and Resilience using a Collaborative Approach</b></p> <p><b>Keith Laakkonen</b> <i>Florida Department of Environmental Protection, Office of Resilience and Coastal Protection</i></p> <p><b>Rebuilding Animal Rehab Facilities with Resilience in Mind</b></p> <p><b>Jace Tunnell</b> <i>University of Texas Marine Science Institute</i></p> <p><b>Improving Operational Resilience</b></p> <p><b>Keith Laakkonen</b> <i>Florida Department of Environmental Protection, Office of Resilience and Coastal Protection</i></p> <p><b>Developing the Next Generation of Disaster Resilience Plans for Research Reserves</b></p> <p><b>Bree Turner</b> <i>NOAA's Office for Coastal Management</i></p> <p><b>Implementing a National Disaster Response and Recovery Framework</b></p> <p><b>Matt Chasse</b> <i>NOAA's Office for Coastal Management</i></p>	<p><b>An Overview of Science Application in Large-Scale Restoration: the Comprehensive Everglades Restoration Plan</b></p> <p><b>Amanda Kahn</b> <i>South Florida Water Management District</i></p> <p><b>Conceptual Ecological Model Development to Address Restoration Uncertainties and Guide Monitoring</b></p> <p><b>Stephanie Verhulst</b> <i>U.S. Army Corps of Engineers</i></p> <p><b>Assessing Ecological Indicator Responses to Hydrologic Restoration in the Northern Estuaries</b></p> <p><b>Elizabeth Salewski</b> <i>South Florida Water Management District</i></p> <p><b>Coastal Resiliency in the Biscayne Bay Southeastern Everglades Ecosystem Restoration Project (BBSEER)</b></p> <p><b>Fred Sklar</b> <i>South Florida Water Management District</i></p> <p><b>Linking Everglades Restoration to Southwest Florida: A New Focus Area for RECOVER</b></p> <p><b>Rodrigo Sedenio</b> <i>U.S. Army Corps of Engineers</i></p>

# Concurrent Sessions 2

Monday, December 5 | 2:00 pm – 3:30 pm

Canal	St Charles	Fulton	Parish	Camp	Remote 1	
<p><b>Blue Carbon I</b> ---</p> <p><b>MODERATOR:</b> <b>Janine Harris</b> <i>NOAA</i></p>	<p><b>Lessons Learned - Incorporating DEIJ Perspectives into the Grant Process</b> ---</p> <p><b>MODERATOR:</b> <b>Daniel Hayden</b> <i>Restore America's Estuaries</i></p>	<p><b>Long Island Sound: Science, Reporting, and Outreach Tools for Estuarine Management</b> ---</p> <p><b>MODERATOR:</b> <b>James Ammerman</b> <i>Long Island Sound Study/ NEIWPCC</i></p>	<p><b>Complex, High-Risk, Climate-Resilient Floodplain Restoration – A Case Study</b> ---</p> <p><b>MODERATOR:</b> <b>Chris Collins</b> <i>Lower Columbia Estuary Partnership</i></p>	<p><b>Gandys Beach Case Study: Implementing and Monitoring Nature-Based Shoreline Protection Tactics to Combat Challenging Mid-Atlantic Conditions</b> ---</p> <p><b>MODERATOR:</b> <b>Danielle McCulloch</b> <i>U.S. Fish &amp; Wildlife Service</i></p>	<p><b>Demonstration of the National Water Model and Other NOAA Tools to Crowdsource Ways that NOAA Could Facilitate Their Usage in Coastal Resilience Planning</b> ---</p> <p><b>MODERATOR:</b> <b>Kristin Raub</b> <i>Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI)</i></p>	Session
<p><b>Blue Carbon Dynamics in Stressed and Restored Mangrove Habitats in Tampa Bay</b> <b>Ryan Moyer</b> <i>TerraCarbon</i></p> <p><b>Learnings from Mangrove Restoration in Senegal as a Blue Carbon Project</b> <b>Jessica Hinojosa</b> <i>Shell International Exploration and Production</i></p> <p><b>The Delta Blue Carbon and Wetland Resilience Project: Data Synthesis and Scenario Planning Tools for the Sacramento San-Joaquin Delta</b> <b>Lydia Smith Vaughn</b> <i>San Francisco Estuary Institute</i></p> <p><b>Fantastic Wetlands and Why to Monitor Them: Demonstrating the Social and Financial Benefit Potential of Methane Abatement through Salt Marsh Restoration in Massachusetts, U.S.A.</b> <b>Adam Reilly</b> <i>U.S. Environmental Protection Agency</i></p>	<p><b>Lessons Learned</b> <b>Philip McAdoo</b> <i>Restore America's Estuaries</i></p> <p><b>RAE's Approach</b> <b>Daniel Hayden</b> <i>Restore America's Estuaries</i></p> <p><b>Cross Organizational Perspective on DEIJ and Grant Making</b> <b>Briana Yancy</b> <i>U.S. Environmental Protection Agency</i></p>	<p><b>The Unified Water Study (UWS): Filling in the Margins of Long Island Sound (LIS)</b> <b>Peter Linderoth</b> <i>Director of Water Quality, Save the Sound</i></p> <p><b>Conservation Planning for New York's Long Island Sound Tidal Marsh Complexes using SLAMM</b> <b>Victoria O'Neill</b> <i>Division of Marine Resources, New York State Department of Environmental Conservation/ NEIWPCC</i></p> <p><b>James Ammerman</b> <i>Division of Marine Resources, New York State Department of Environmental Conservation/ NEIWPCC</i></p> <p><b>Wave Damping by an Array of Reef Balls in the Inter-Tidal Zone</b> <b>James O'Donnell</b> <i>Department of Marine Sciences, University of Connecticut</i></p> <p><b>Keeping the Estuary Restoration Programs Accountable through Effective Tracking and Reporting Tools</b> <b>Cayla Sullivan</b> <i>Long Island Sound Office, U.S. EPA Region 2</i></p> <p><b>Communicating Long Island Sound Science, Restoration and Resilience Needs</b> <b>Nancy Seligson</b> <i>New York Co-chair, LISS Citizens Advisory Committee; former Supervisor of the Town of Mamaroneck and former Co-chair of Sustainable Westchester</i></p>	<p><b>Lessons Learned from 9 Years of Managing All Phases of a \$31M Urban Floodplain Restoration Project</b> <b>Chris Collins</b> <i>Lower Columbia Estuary Partnership</i></p> <p><b>Integrating Climate Change Considerations into Specific Design Elements of the Project's Stream, Floodplain, and Levee Features</b> <b>Curtis Loeb</b> <i>Wolf Water Resources, Inc.</i></p> <p><b>Darlene Siegel</b> <i>Wolf Water Resources, Inc.</i></p> <p><b>Design, Regulatory, and Monitoring Considerations for Construction of Setback Levees on Soft Alluvium Soils</b> <b>Wade Osborne</b> <i>Cornforth Consultants, Inc.</i></p> <p><b>Decarbonizing Stream Restoration and the Fuel Efficiency of the River Machine</b> <b>Jared McKee</b> <i>U.S. Fish and Wildlife Service</i></p> <p><b>Predicting the Future of Steigerwald: Innovative and Cost-Effective Approaches to Large-Scale Floodplain Monitoring</b> <b>Sarah Kidd</b> <i>Lower Columbia Estuary Partnership</i></p>	<p><b>Planning and Monitoring a Pilot Living Shoreline: Setting Up 7 Years of Learning</b> <b>Adrianna Zito-Livingston</b> <i>The Nature Conservancy</i></p> <p><b>Observations of Wave Amplification at Gandys Beach, New Jersey</b> <b>Amy Breides</b> <i>Stevens Institute of Technology</i></p> <p><b>Elevation and Vegetation Cover Dynamics at the Gandys Beach Living Shoreline</b> <b>Ella Rothermel</b> <i>Partnership for the Delaware Estuary</i></p> <p><b>Documenting Shellfish Colonization and Fish Community Assemblage at the Gandy's Beach Preserve</b> <b>Jenny Shinn</b> <i>Rutgers University</i></p> <p><b>Lessons Learned and Applicability of Gandys Beach Monitoring for Policy and Future Implementation of Nature-Based Solutions</b> <b>Danielle McCulloch</b> <i>U.S. Fish and Wildlife Service</i></p>	<p><b>Overview of NOAA Tools for Coastal Resilience Planning</b> <b>Brenna Sweetman</b> <i>NOAA's Office for Coastal Management</i></p> <p><b>Demonstration of the National Water Model and Future Development Plans</b> <b>Brian Cosgrove</b> <i>NOAA/NWS Office of Water Prediction</i></p> <p><b>Lessons Learned from Flood Inundation Mapping (FIM) Tabletop Exercises in Northeast US</b> <b>David Vallee</b> <i>NOAA/NWS Northeast River Forecast Center</i></p> <p><b>Assessment of the National Water Model's Current and Potential Role in Community Resilience Planning: A Case Study Analysis</b> <b>Josh Laufer</b> <i>The Global Resilience Institute at Northeastern University</i></p>	Details

# Concurrent Sessions 3

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

MONDAY

	Jefferson	Jackson	Magazine	Royal	Commerce	Canal
Session	<p>Implementing IJA: Opportunities, Uncertainties and Challenges for Coastal Communities in Implementation of the Infrastructure Investment and Jobs Act</p> <p>---</p> <p>MODERATOR:</p> <p><b>Jessie Ritter</b> <i>National Wildlife Federation</i></p>	<p>Compensatory Mitigation on Subaquatic State-Owned Lands</p> <p>---</p> <p>MODERATOR:</p> <p><b>Katherine Sheppard</b> <i>NOAA Fisheries, Office of Habitat Conservation</i></p>	<p>No Place Like Home: Preparing for and Managing Retreat From and Within Coastal and Riverine Communities</p> <p>---</p> <p>MODERATOR:</p> <p><b>Annie Bennet</b> <i>Georgetown University</i></p>	<p>Financing Coastal Restoration and Resilience</p> <p>---</p> <p>MODERATOR:</p> <p><b>Chris Dalbom</b> <i>Tulane Institute on Water Resources Law &amp; Policy</i></p>	<p>Showcasing the NEP Coastal Watersheds Grant Program: Successes, Lessons Learned...and What's Next!</p> <p>---</p> <p>MODERATOR:</p> <p><b>Suzanne Simon</b> <i>Restore America's Estuaries</i></p>	<p>Carbon Credits as a Mechanism to Fund Coastal Restoration Projects</p> <p>---</p> <p>MODERATOR:</p> <p><b>John Montgomery</b> <i>Stantec Consulting Services Inc.</i></p>
Details	<p>PRESENTERS:</p> <p><b>Jessie Ritter</b> <i>National Wildlife Federation</i></p> <p><b>Derek Brockbank</b> <i>Coastal States Organization</i></p>	<p>PANELISTS:</p> <p><b>Susan-Marie Stedman</b> <i>NOAA Fisheries, Office of Habitat Conservation</i></p> <p><b>Melody Rudenko</b> <i>Oregon Department of State Lands</i></p> <p><b>Blake Helm</b> <i>Oregon Department of State Lands</i></p> <p><b>Aisling O'Shea</b> <i>Massachusetts Department of Fish and Game</i></p> <p><b>Bryant Chesney</b> <i>NOAA Fisheries, West Coast Region</i></p>	<p>PANELISTS:</p> <p><b>Rachelle Sanderson</b> <i>Capital Region Planning Commission</i></p> <p><b>Angela Chalk</b> <i>Healthy Community Services</i></p> <p><b>Nichelle Taylor</b> <i>Greater New Orleans Housing Alliance</i></p> <p><b>Tara Lambeth</b> <i>St. John the Baptist Parish</i></p>	<p>The Coastal Alabama Fisheries Fund: A Revolving Microloan Fund Issuing Loans and Providing Business Support to Oyster Farmers and Catchers in Coastal Alabama.</p> <p><b>Henry Perkins</b> <i>Mobile Bay National Estuary Program</i></p> <p>How to Pay for Coastal Resilience in a Changing Climate</p> <p><b>Rachael Franks Taylor</b> <i>NOAA // CSS</i></p> <p>A Path to More Equitable Adaptation Funding</p> <p><b>Jackie Specht</b> <i>The Nature Conservancy</i></p> <p>Environmental Economics and Climate Justice in Coastal Management Decisions in Australia and the US</p> <p><b>Dave Anning</b> <i>Integral Consulting Inc.</i></p> <p>The Economic Value of America's Estuaries</p> <p><b>Tracy Rouleau</b> <i>TBD Economics, LLC</i></p>	<p>Aquatic Connectivity through Climate-Ready Infrastructure</p> <p><b>Isabelle Stinnette</b> <i>New York – New Jersey Harbor and Estuary Program</i></p> <p>Santa Monica Bay Subtidal Eelgrass Restoration</p> <p><b>Tom Ford</b> <i>The Bay Foundation</i></p> <p>Building Climate Resilience and Improving Water Quality through Eelgrass Restoration in Morro Bay, CA</p> <p><b>Carolyn Geraghty</b> <i>Morro Bay National Estuary Program</i></p> <p>Lagniappe for the Working Coast: Reducing Flood Risk and Protecting Sacred Sites and Tribal Communities' Resilience by Strengthening Louisiana's Marshes</p> <p><b>Elder Rosina Phillippe</b> <i>Grand Bayou Atakapa-Ishak/Chawasha</i></p> <p>Optimizing and Expanding the Impact of Nitrogen-Reducing Septic Systems</p> <p><b>Joseph Brennan</b> <i>Buzzards Bay Coalition</i></p>	<p>Coastal Louisiana Carbon Sequestration Banks</p> <p><b>Beaux Jones</b> <i>The Water Institute of the Gulf</i></p> <p>Mid Breton Sediment Diversion Project</p> <p><b>Scott Peyton</b> <i>Stantec Consulting Services Inc.</i></p> <p>Carbon Sequestration Priorities of Oil and Gas Industry</p> <p><b>Cas Bridge</b> <i>Chevron</i></p> <p>Academic Priorities Related to Quantification and Protocol Development for Coastal Wetlands as Carbon Banks</p> <p><b>Z. George Xue</b> <i>Louisiana State University</i></p>



# Concurrent Sessions 3

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

St Charles	Ascot-Newbury	Fulton	Parish	Camp	Remote 1	Session
<p><b>Incorporating DEI Principles in Science and the Community of Practice</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Kelly Samek</b> <i>NOAA Sea Grant</i></p>	<p><b>Using Art to Explore Your Coastal Climate Landscape</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Vidya Balasubramanyam</b> <i>Coastal States Organization</i></p>	<p><b>Collaboration and Community Engagement</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Tiara Moore</b> <i>Black In Marine Science</i></p>	<p><b>Case Studies of Large-Scale Coastal Restoration from around the US</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Marissa Dotson</b> <i>AECOM</i></p>	<p><b>Living Shoreline Case Studies from across the US</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Jessica Chappell</b> <i>Texas General Land Office</i></p>	<p><b>Managing and Monitoring Mangrove Habitats in the National Estuarine Research Reserves System</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Matt Chasse</b> <i>NOAA Office for Coastal Management</i></p>	
<p><b>Learning as We Go: Developing an Environmental Justice Work Plan for the Long Island Sound Study Estuary Program</b></p> <p><b>Jimena Perez-Viscasillas</b> <i>New York Sea Grant</i></p> <p><b>Mindset and Principles for Inclusive Collaborative Science</b></p> <p><b>Doug George</b> <i>Office for Coastal Management, National Oceanic and Atmospheric Administration</i></p> <p><b>Building Diverse, Equitable, and Inclusive Participation in the Gulf of Mexico Climate &amp; Resilience Community of Practice (CoP)</b></p> <p><b>Niki Pace</b> <i>Louisiana Sea Grant/LSU</i></p> <p><b>Putting Justice on the Map: Lessons Learned from the Development of Environmental Justice Mapping Tools</b></p> <p><b>Claire McGlinchey</b> <i>University of New Hampshire</i></p>	<p>Join us for a reflective and exploratory session where we infuse some artistic expression into our coastal and estuarine work.</p> <p>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.)</p> <p>Finally, we will put pens to paper. Participants will be given different options for combining art with coastal information gathering, and 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!</p> <p><b>PRESENTERS:</b></p> <p><b>Vidya Balasubramanyam</b> <i>Coastal States Organization</i></p>	<p><b>Climax Thinking on the Coast: A Focus Group Priming Experiment with Coastal Property Owners about Nature-Based Adaptation</b></p> <p><b>Kate Sherren</b> <i>Dalhousie University</i></p> <p><b>Living Local: An Agricultural Education Project for Students and the Community</b></p> <p><b>Chandler Joiner</b> <i>Maryland Coastal Bays Program</i></p> <p><b>Synergistic Collaboration to Enhance Compliance in California's Estuarine Marine Protected Areas</b></p> <p><b>Aubrie Fowler</b> <i>MPA Collaborative Network</i></p> <p><b>Using Data Collection for Public Engagement and Advocacy</b></p> <p><b>Toni Rose Tablante</b> <i>American Littoral Society</i></p> <p><b>#AskAScientist: Opening Scientific Dialogue to the Public Using Social Media</b></p> <p><b>Diana Fu</b> <i>San Francisco Estuary Partnership</i></p>	<p><b>Large-Scale Restoration of Coastal Louisiana Wetlands through Canal Backfilling</b></p> <p><b>Brendan Brown</b> <i>CDM Smith</i></p> <p><b>The Squamish Central Estuary Restoration Project</b></p> <p><b>Murray Manson</b> <i>Fisheries and Oceans Canada</i></p> <p><b>The Tampa Bay Problem Child: Old Tampa Bay's Current Restoration Efforts that will Address Pyrodinium Bahamense Bloom Dynamics</b></p> <p><b>Edward Sherwood</b> <i>Tampa Bay Estuary Program</i></p> <p><b>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</b></p> <p><b>Damon Moore</b> <i>Environmental Science Associates</i></p>	<p><b>Angola by the Bay Living Shoreline and Management Plan</b></p> <p><b>Bob Collins</b> <i>Delaware Center for the Inland Bays</i></p> <p><b>A Living Shoreline Solution for Coastal Erosion and Habitat Preservation at the Hepburn Preserve, Fenwick CT</b></p> <p><b>Stephen Lecco</b> <i>GZA GeoEnvironmental</i></p> <p><b>Evidence for Small-Scale Living Shoreline Viability in Galveston Bay, Texas</b></p> <p><b>Jim Dobberstine</b> <i>Lee College and the University of Houston-Clear Lake</i></p> <p><b>Atlantic Reefmaker™, Oyster Catcher™, Shell Bags and Bulkheads – a Shoreline Protection Technology Comparison in Emerald Isle, North Carolina</b></p> <p><b>Phillip Todd</b> <i>Atlantic Reefmaker</i></p> <p><b>MacDill Airforce Base Living Shoreline Project: Twenty Years in the Making</b></p> <p><b>Eric Plage</b> <i>Tampa Bay Watch</i></p>	<p><b>Restoring Mangroves at Fruit Farm Creek</b></p> <p><b>Jeffrey Carter</b> <i>Florida Department of Environmental Protection, Office of Resilience and Coastal Protection</i></p> <p><b>Understanding the Landscape Scale Implications of Mangrove Expansion in Apalachicola</b></p> <p><b>Caitlin Snyder</b> <i>Florida Department of Environmental Protection, Office of Resilience and Coastal Protection</i></p> <p><b>Recovery of Mangrove Habitats in Post-Freeze Texas</b></p> <p><b>Katie Swanson</b> <i>University of Texas Marine Science Institute</i></p> <p><b>Removing Mangroves to Restore Native Hawaiian Landscapes</b></p> <p><b>Kawika Winter</b> <i>Hawai'i Institute of Marine Biology</i></p>	Details

MONDAY

# Concurrent Sessions 4

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

TUESDAY

	Jefferson	Jackson	Magazine	Royal	Commerce	Canal
Session	<p>Reflecting on the Past and Envisioning the Future of Coastal Zone Management</p> <p>---</p> <p>MODERATOR:</p> <p><b>Vidya Balasubramanyam</b> <i>Coastal States Organization</i></p>	<p>Working Toward More Effective Oyster Restoration in the Gulf of Mexico</p> <p>---</p> <p>MODERATOR:</p> <p><b>Seth Blitch</b> <i>The Nature Conservancy</i></p>	<p>Restoration along the Gulf Coast</p> <p>---</p> <p>MODERATOR:</p> <p><b>Sarah Barmeyer</b> <i>National Parks Conservation Association</i></p>	<p>Natural Resource Restoration the Gulf of Mexico Resulting from the Deepwater Horizon Oil Spill (DWH NRDA Track)</p> <p>---</p> <p>MODERATOR:</p> <p><b>Jamie Schubert</b> <i>NOAA Restoration Center</i></p>	<p>Great Meadows Marsh Restoration: A Case Study of A Large-scale Saltmarsh and Coastal Resilience Project</p> <p>---</p> <p>MODERATOR:</p> <p><b>James Turek</b> <i>NOAA Office of Habitat Conservation, Restoration Center</i></p>	<p>From Idea to Reality: The Journey, Lessons Learned, and Status of the Three Florida Panhandle Estuary Programs</p> <p>---</p> <p>MODERATOR:</p> <p><b>Anne Birch</b> <i>The Nature Conservancy</i></p>
Details	<p>PANELISTS:</p> <p><b>Vidya Balasubramanyam</b> <i>Coastal States Organization</i></p> <p><b>Braxton Davis</b> <i>North Carolina Division of Coastal Management</i></p> <p><b>Kathleen Leyden</b> <i>Director, Maine Coastal Program Maine Department of Marine Resources</i></p> <p><b>Derek Brockbank</b> <i>Coastal States Organization</i></p>	<p>PANELISTS:</p> <p><b>Sandra Brooke</b> <i>Florida State University Coastal and Marine Lab</i></p> <p><b>Ryan Bradley</b> <i>Mississippi Commercial Fisheries United, Inc.</i></p> <p><b>Brady Carter</b> <i>Office of Fisheries, Louisiana Department of Wildlife and Fisheries</i></p> <p><b>Jason Hermann</b> <i>Alabama Department of Conservation and Natural Resources</i></p> <p><b>Seth Blitch</b> <i>The Nature Conservancy - Louisiana</i></p> <p><b>Jennifer Pollack</b> <i>Harte Research Institute for Gulf of Mexico Studies (TAMU Corpus Christi)</i></p> <p><b>Megan La Peyre</b> <i>U.S. Geological Society / Louisiana State University</i></p>	<p>North Breton Island Reconstruction: An Example of a Successful Coastal Engineering and Restoration Project to Settle Natural Resource Damages</p> <p><b>Lawrence Malizzi</b> <i>Ramboll</i></p> <p>Combining Environmental Restoration and Economic Revitalization to Make Resilient Gulf Coast Communities</p> <p><b>Meg Goecker</b> <i>Moffatt &amp; Nichol</i></p> <p>SUNS: Scaling Up Nature-based Solutions for People and Nature</p> <p><b>Christine Shepard</b> <i>The Nature Conservancy</i></p> <p>Swamp Reforestation in Southeast Louisiana, USA Exposes Landscape Scale Differences in Survival and Growth</p> <p><b>Eva Hillmann</b> <i>Pontchartrain Conservancy</i></p> <p>Eight Years of Invasive Giant Applesnail (<i>Pomacea Maculata</i>) Control in the Pascagoula River Estuary – Successes, Challenges and Lessons Learned</p> <p><b>Michael Pursley</b> <i>Mississippi Department of Marine Resources</i></p>	<p>Gulf Environmental Benefit Fund</p> <p><b>Jonathan Porterhouse</b> <i>National Fish and Wildlife Foundation-Gulf Environmental Benefit Fund</i></p> <p>Deepwater Horizon Natural Resource Damage Assessment Restoration</p> <p><b>Rachel Sweeney</b> <i>NOAA</i></p> <p>Gulf Coast Ecosystem Council (RESTORE Council)</p> <p><b>John Ettinger</b> <i>Gulf Coast Ecosystem Council (RESTORE Council)</i></p>	<p>Assessment and Design for the Great Meadows Marsh Restoration with a Fill Removal and Soil Placement Strategy</p> <p><b>James Turek</b> <i>NOAA Restoration Center</i></p> <p>Lessons Learned through a Challenging But Successful Great Meadows Marsh Restoration Construction</p> <p><b>Jack Matthias</b> <i>Audubon Connecticut</i></p> <p>Leveraging the Success of Great Meadows Marsh Restoration to Inspire and Influence Change</p> <p><b>Sharon Bruce</b> <i>Audubon Connecticut-New York</i></p> <p>How Does Sediment Addition at Great Meadows Marsh Alter Salt Marsh Vegetation, Porewater Chemistry and Greenhouse Gas Fluxes?</p> <p><b>Madeline Kolleger</b> <i>University of Connecticut, Storrs, CT</i></p> <p>Testing the Efficacy of Targeted Saltmarsh Restoration at Great Meadows Marsh for a Globally Rare Species</p> <p><b>Franco Gigliotti</b> <i>University of Connecticut, Storrs, CT</i></p>	<p>Pensacola &amp; Perdido Bays Estuary Program</p> <p><b>Matt Posner</b> <i>Pensacola &amp; Perdido Bays Estuary Program</i></p> <p>St. Andrew &amp; St. Joe Bays Estuary Program</p> <p><b>Jessica Graham</b> <i>St. Andrew &amp; St. Joe Bays Estuary Program</i></p> <p>Choctawhatchee Bay Estuary Program</p> <p><b>Brian Underwood</b> <i>Choctawhatchee Bay Estuary Program</i></p> <p>Allocating Restore Act Funds for Watershed-Scale Improvements</p> <p><b>Amy Newbold</b> <i>U.S. Environmental Protection Agency</i></p> <p>Community-Based Watershed Planning</p> <p><b>Janet Bowman</b> <i>The Nature Conservancy</i></p>

# Concurrent Sessions 4

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

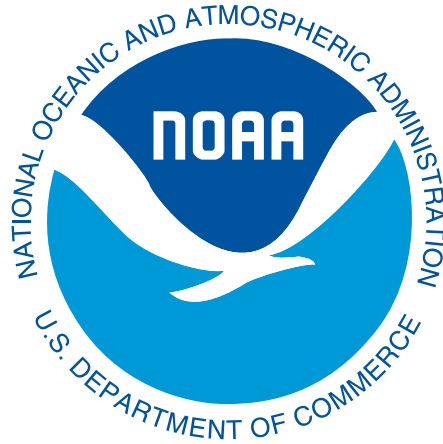
St Charles	Ascot-Newbury	Fulton	Parish	Camp	Remote 1	
<p><b>Ecological Restoration and Equity-Based Economic Development: Reimagine Middle Branch, Patapsco River</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Lynette Cardoch</b> <i>Moffatt &amp; Nichol</i></p>	<p><b>Collaborative Nutrient Management through Restoration: Restoring Cranberry Bogs to Wetlands to Improve Cape Cod Water Quality</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Casey Chatelain</b> <i>Horsley Witten Group</i></p>	<p><b>Environmental Education and Community Empowerment</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Rachel Felver</b> <i>Alliance for the Chesapeake Bay</i></p>	<p><b>The South Atlantic Saltmarsh Initiative: A Landscape-Scale Partnership</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Lora Clarke</b> <i>The Pew Charitable Trusts</i></p>	<p><b>Hybrid Designs for Shoreline Protection</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Quinn Whitesall</b> <i>American Littoral Society</i></p>	<p><b>Remote Session II</b></p>	Session
<p>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.</p> <p>Ecological Restoration and Equity-Based Economic Development: Reimagine Middle Branch, Patapsco River</p> <p><b>Andrew Forbes</b> <i>Moffatt &amp; Nichol</i></p> <p><b>Megan Born</b> <i>James Corner Field Operations</i></p> <p><b>Odessa Phillip</b> <i>Assedo Consulting, LLC</i></p> <p><b>Brad Rogers</b> <i>South Baltimore Gateway Partnership</i></p> <p><b>Brett Berkley</b> <i>GreenVest, LLC</i></p>	<p><b>“People don’t like change”:</b> Achieving ecological goals and maintaining social value in cranberry bog wetland restoration</p> <p><b>Katherine Canfield</b> <i>U.S. Environmental Protection Agency, ORD/ACESD</i></p> <p><b>Continuous Monitoring of Nitrate Loads at the Outlet of a Proposed Cranberry Bog Restoration</b></p> <p><b>Laura Erban</b> <i>U.S. Environmental Protection Agency, ORD/ACESD</i></p> <p><b>Climate Impacts of Wetlands Restoration</b></p> <p><b>Emma Gildesgame</b> <i>The Nature Conservancy</i></p> <p><b>Improving Coastal Water Quality with Inland Cranberry Bog Wetlands Restoration</b></p> <p><b>Casey Chatelain</b> <i>Horsley Witten Group</i></p> <p><b>Enhancing Cranberry Bog Wetlands Restorations with Woodchip-Based Bioreactors</b></p> <p><b>Livia Graham</b> <i>Barnstable Clean Water Coalition</i></p>	<p>Transitioning with the Times: How Galveston Bay Foundation Updated an Established Education Program to Meet the Needs of the Community</p> <p><b>Cindy Wilems</b> <i>Galveston Bay Foundation</i></p> <p><b>Education and Ecotourism at Fennessey Ranch</b></p> <p><b>Joan Garland</b> <i>Mission-Aransas National Estuarine Research Reserve</i></p> <p><b>Bay Grasses in Classes Program</b></p> <p><b>Paige Lansky</b> <i>Tampa Bay Watch</i></p> <p><b>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</b></p> <p><b>Melissa Paly</b> <i>Conservation Law Foundation</i></p> <p><b>Coastal Sewage Pollution: Outreach to Empower Action</b></p> <p><b>Katie Day</b> <i>Surfrider Foundation</i></p>	<p><b>Overview of the Initiative</b></p> <p><b>Mallory Eastland</b> <i>South Atlantic Salt Marsh Initiative</i></p> <p><b>Creative Funding Approaches</b></p> <p><b>Kate Schaefer</b> <i>Beaufort Open Land Trust</i></p> <p><b>Marshing Forward Together</b></p> <p><b>Queen Quet</b> <i>Gullah/Geechee Nation</i></p> <p><b>Nature-Based Defense</b></p> <p><b>Ryan Orndorff</b> <i>Deputy Assistant Secretary of Defense (Environment &amp; Energy Resilience)</i></p> <p><b>Operationalizing a Landscape-Scale Approach at the State Level</b></p> <p><b>Tancred Miller</b> <i>North Carolina Division of Coastal Management</i></p>	<p><b>Assessing the Effectiveness of Natural, Living, and Hardened Shorelines at Preventing Coastal Erosion and Maintaining Healthy Habitats.</b></p> <p><b>Patrick Biber</b> <i>University of Southern Mississippi</i></p> <p><b>From Shell Bags to Hybrid Breakwaters: Future Strategies for Intertidal Reefs</b></p> <p><b>Quinn Whitesall</b> <i>American Littoral Society</i></p> <p><b>The Misunderstood Groyne: Structure and Sand Movement in Living Shorelines</b></p> <p><b>Lee Yokel</b> <i>EcoSolutions, Inc.</i></p> <p><b>Bettering a Bulkhead: Opportunities to Soften Existing Infrastructure</b></p> <p><b>Justin Park</b> <i>Biohabitats</i></p> <p><b>Advanced Engineering Methods – Coastal Protection through Living Shorelines</b></p> <p><b>Rachel Chambers</b> <i>Stantec</i></p>	<p><b>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</b></p> <p><b>Julie Reichert-Nguyen</b> <i>National Oceanic and Atmospheric Administration (NOAA)</i></p> <p><b>Site Fidelity and Residency of Bottlenose Dolphins (Tursiops truncatus) in Upper Galveston Bay, Texas</b></p> <p><b>Vanessa Mintzer</b> <i>Galveston Bay Foundation</i></p> <p><b>Multidisciplinary Considerations for Blue Carbon Market Project Development: A Case Study from Texas’s Gulf Coast</b></p> <p><b>Alicia Juang</b> <i>Environmental Science Associates</i></p> <p><b>Regionally Advancing Oyster Restoration and Living Shorelines in San Francisco Bay: AKA We’re Stronger Together</b></p> <p><b>Marilyn Latta</b> <i>CA State Coastal Conservancy</i></p>	Details

TUESDAY

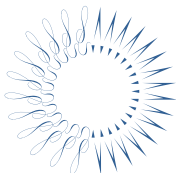
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# Concurrent Sessions 5

Tuesday, December 6 | 10:30 am – Noon

TUESDAY

	Jefferson	Jackson	Royal	Commerce	Canal
Session	<p>Conserving and Restoring America the Beautiful: Building on Community-led Efforts for National Impact</p> <p>---</p> <p><b>MODERATOR:</b> <a href="#">Brooke Carney</a> <i>NOAA Sea Grant</i></p>	<p>Meaningfully Partnering with Indigenous Communities</p> <p>---</p> <p><b>MODERATOR:</b> <a href="#">Suzanne Simon</a> <i>Restore America's Estuaries</i></p>	<p>Gulfwide Restoration Planning in the Gulf of Mexico by the Deepwater Horizon NRDA Regionwide Trustee Implementation Group (DWH NRDA Track)</p> <p>---</p> <p><b>MODERATOR:</b> <a href="#">Jamie Schubert</a> <i>NOAA Restoration Center</i></p>	<p>Coastal Restoration- Case Studies from the Mid-Atlantic Region</p> <p>---</p> <p><b>MODERATOR:</b> <a href="#">Chris Hilke</a> <i>National Wildlife Federation</i></p>	<p>Harnessing Coastal Blue Carbon Habitats in the Fight Against Climate Change: Insights from the States</p> <p>---</p> <p><b>MODERATOR:</b> <a href="#">Sylvia Troost</a> <i>Pew Charitable Trusts</i></p>
Details	<p>Overview of ATB - NOAA and Interagency Progress <a href="#">Letise LaFeir</a> <i>NOAA Policy</i></p> <p>National Estuarine Research Reserves <a href="#">Deanna Erickson</a> <i>Manager, Lake Superior, WI National Estuarine Research Reserve</i></p> <p>Noaa Habitat Conservation's America the Beautiful Efforts <a href="#">Carrie Selberg Robinson</a> <i>Director, NMFS Office of Habitat Conservation</i></p> <p>Regional Fishery Management Council Views on 30 x 30 <a href="#">Jessica Coakley</a> <i>Mid-Atlantic Fishery Management Council</i></p> <p>Opportunities for Tribal and Underserved Communities <a href="#">Lauren Wenzel</a> <i>NOS Tribal Liaison</i></p>	<p><b>PANELISTS:</b> <a href="#">Elder Theresa Dardar</a> <i>Pointe-au-Chien Indian Tribe</i></p> <p><a href="#">Co-Chairman Donald Dardar</a> <i>Pointe-au-Chien Indian Tribe</i></p> <p><a href="#">Elder Chief Shirell</a> <i>Grand Caillou/Dulac Band of Biloxi-Chitimacha-Choctaw</i></p> <p><a href="#">Chief Devon Parfait</a> <i>Grand Caillou/Dulac Band of Biloxi-Chitimacha-Choctaw</i></p>	<p>Collaborative Restoration Planning by the Deepwater Horizon NRDA Regionwide TIG in the Gulf of Mexico: Process and Products <a href="#">Jamie Schubert</a> <i>NOAA Restoration Center</i></p> <p>Restoring Coastal Bird Habitat and Productivity Throughout the Northern Gulf of Mexico <a href="#">David Hewitt</a> <i>U.S. Fish and Wildlife Service, Gulf Restoration Office</i></p> <p>Restoring Marine Mammals in Coastal and Nearshore Waters of the Gulf of Mexico <a href="#">Julia Goss</a> <i>NOAA Deepwater Horizon Marine Mammal Coordinator</i></p> <p>Restoring Resilient Oyster Reefs in Gulf State Waters <a href="#">Brady Carter</a> <i>Louisiana Department of Wildlife and Fisheries</i></p> <p>Sea Turtle Restoration on Gulf State Beaches and Coastal and Nearshore Waters <a href="#">Angela Sunley</a> <i>Texas General Land Office</i></p>	<p>NOAA Habitat Focus Areas: A Case Study of Purposeful Collaboration and Strategic Investments to Support Restoration in the Middle Peninsula of Virginia <a href="#">Andrew Larkin</a> <i>NOAA Chesapeake Bay Office</i></p> <p>Mattanock Town Restoration Proposal <a href="#">Kati Grigsby</a> <i>Chesapeake Bay Foundation &amp; Virginia Institute of Marine Science</i></p> <p>Three Restoration Project Case Studies in Monmouth County, New Jersey <a href="#">Julie Schumacher</a> <i>American Littoral Society</i></p> <p>Ten Years of Estuary Restoration in Shinnecock Bay, NY: How Ecological Monitoring and an Adaptive Management Approach Underpin Successful Restoration <a href="#">Christine Santora</a> <i>Institute for Ocean Conservation Science at Stony Brook University</i></p> <p>Regenerative Design <a href="#">Chris Becraft</a> <i>Underwood &amp; Associates</i></p>	<p>Incorporating Coastal Wetlands into Oregon's Natural and Working Lands Inventory <a href="#">Lisa Beers</a> <i>Silvestrum Climate Associates</i></p> <p>Integrating Coastal Blue Carbon into Oregon's Natural and Working Lands Strategy <a href="#">Lisa Phipps</a> <i>Oregon Coastal Management Program/Department of Land Conservation and Development</i></p> <p>Estimating Carbon Capture and Storage of Coastal Louisiana Habitats <a href="#">Melissa M. Baustian</a> <i>USGS Wetland and Aquatic Research Center</i></p> <p>A Framework for Incorporating Coastal Wetlands into Climate Mitigation Strategies: Insights from California <a href="#">Lydia Smith Vaughn</a> <i>San Francisco Estuary Institute</i></p> <p>Developing a Blue Carbon Inventory for North Carolina's Submerged Aquatic Vegetation <a href="#">Paul Cough</a> <i>Albemarle Pamlico National Estuary Partnership</i></p>



## SUMMIT 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	Ascot-Newbury	Parish	Camp	Remote 1	Session
<p><b>Growing Future Stewards of the Coast - Formal and Informal Environmental Education Efforts on Louisiana's Coastal Wetland Loss</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Kacie Wright</b> <i>Coastal Wetlands Planning, Protection, and Restoration Act</i></p>	<p><b>The Lake Mattamuskeet Watershed Restoration Plan: Exploring the Feasibility of Three Priority Projects</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Alyson Flynn</b> <i>North Carolina Coastal Federation</i></p>	<p><b>Nature-based Large-scale Restoration</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Timothy Feather</b> <i>CDM Smith</i></p>	<p><b>Policies and Programs to Promote Living Shorelines</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Melody Ray-Culp</b> <i>U.S. Fish &amp; Wildlife Service</i></p>	<p><b>Balancing Infrastructure Resilience and Natural Coastal Habitat Protection in the Face of Climate Change</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Sabrina Pereira</b> <i>NOAA NMFS</i></p>	
<p><b>LaDIA (Louisiana Discovery, Integration and Adaptation)</b></p> <p><b>Danielle Dilullo</b> <i>Louisiana Sea Grant</i></p> <p><b>Sharing EPA's Mission: Use of Videos/media for Science Communication and Wetland Restoration Education</b></p> <p><b>Sharon Osowski Morgan</b> <i>U.S. Environmental Protection Agency, Region 6</i></p> <p><b>Inspiring and Educating Future Coastal Leaders: CRCL's Youth Engagement Programs</b></p> <p><b>Brett Pickett</b> <i>Coalition to Restore Coastal Louisiana</i></p> <p><b>Systemic Strategies for Engaging Underserved Communities in Environmental Stewardship and Water Literacy</b></p> <p><b>Kimberly Cooke</b> <i>Pontchartrain Conservancy</i></p> <p><b>CWPPRA's WaterMarks360 – Bringing Coastal Issues into the Classroom with the Caminada Headlands Virtual Field Trip</b></p> <p><b>Lauren Leonpacher</b> <i>CWPPRA</i></p>	<p><b>Protecting the Way of Life in Hyde County</b></p> <p><b>Daniel Brinn</b> <i>Hyde County Water and Flood Control Coordinator</i></p> <p><b>The Lake Mattamuskeet Watershed Restoration Plan: Restoring Water Quality and Clarity</b></p> <p><b>Alyson Flynn</b> <i>North Carolina Coastal Federation</i></p> <p><b>Evaluation of Active Water Management in the Lake Mattamuskeet Watershed</b></p> <p><b>Alessandra Braswell</b> <i>Geosyntec Consultants of NC</i></p> <p><b>Identifying On- and Off-Base Opportunities to Advance Military Installation Resilience through Nature-Based Solutions: Examples from Hyde County, North Carolina</b></p> <p><b>Christopher Baillie</b> <i>Eastern North Carolina Sentinel Landscape Partnership/North Carolina Coastal Federation</i></p>	<p><b>High Tides, High Tech, and High Time to Restore Marshes</b></p> <p><b>Donna Ball</b> <i>South Bay Salt Pond Restoration Project/San Francisco Estuary Institute</i></p> <p><b>Thirty Years of Long Island Sound Restoration: Lessons and Reflections from the Urban Sea</b></p> <p><b>Mark Tedesco</b> <i>U.S. Environmental Protection Agency</i></p> <p><b>Risk Management Against Coastal Resiliency Stressors for Hoopersville Island, Dorchester County, Maryland</b></p> <p><b>Anna Johnson</b> <i>BayLand Consultants &amp; Designers, Inc.</i></p> <p><b>Advancing Natural Infrastructure Approaches with the National Coastal Resilience Fund</b></p> <p><b>Arielle Mion</b> <i>National Fish and Wildlife Foundation</i></p> <p><b>Transforming Management of Oysters in the Pensacola Bay System</b></p> <p><b>Anne Birch</b> <i>The Nature Conservancy</i></p>	<p><b>Living Shorelines in Practice: Lessons Learned 5 Years After Construction of the Hancock County Marsh Living Shoreline</b></p> <p><b>Karin Olsen</b> <i>Anchor QEA</i></p> <p><b>Successful Implementation of Coastal Resilience Practices Through a Unique &amp; Productive For-Profit and Non-Profit Collaboration</b></p> <p><b>Mary-Margaret McKinney</b> <i>Restoration Systems, LLC</i></p> <p><b>Regulatory Challenges and Opportunities for Living Shorelines in New England</b></p> <p><b>Theresa Davenport</b> <i>The Nature Conservancy, Massachusetts</i></p> <p><b>Development of the Full-Delivery Turnkey Living Shoreline Project at Holly Beach Farm</b></p> <p><b>Danielle Gourley</b> <i>BayLand Consultants &amp; Designers, Inc.</i></p> <p><b>Resurrecting a Living Shoreline Grant Program in the Chesapeake Bay</b></p> <p><b>Sarah Koser</b> <i>Chesapeake Bay Trust</i></p>	<p><b>Shallow-Water Fish Habitat and Shoreline Project Tradeoffs: A Mid-Atlantic Perspective</b></p> <p><b>Jonathan Watson</b> <i>NOAA NMFS</i></p> <p><b>Jessie Murray</b> <i>NOAA NMFS</i></p> <p><b>David O'Brien</b> <i>NOAA NMFS</i></p> <p><b>The Nexus of Climate Vulnerability of Habitats and Coastal Infrastructure Approaches</b></p> <p><b>Michael R. Johnson</b> <i>NOAA NMFS</i></p> <p><b>Kaitlyn Shaw</b> <i>NOAA NMFS</i></p> <p><b>Nature Based Shoreline Protection in Winthrop and Duxbury Beach, Massachusetts</b></p> <p><b>Rebecca Haney</b> <i>Massachusetts Office of Coastal Zone Management</i></p> <p><b>10 Years After Superstorm Sandy: The Evolution of Habitat Restoration in New Jersey</b></p> <p><b>Capt. Al Modjeski</b> <i>American Littoral Society</i></p> <p><b>The Ecosystem Focus Anchor: Restoring an Equilibrium in Coastal Nature Based Decision Making</b></p> <p><b>Bartholomew Wilson</b> <i>U.S. Fish and Wildlife Service</i></p>	
					Details

TUESDAY

# Concurrent Sessions 6

Tuesday, December 6 | 2:00 pm – 3:30 pm

TUESDAY

	Jefferson	Jackson	Magazine	Royal	Commerce	Canal
Session	<p>From Hurricane Damage and Restoration to Risk Management: Ensuring and Insuring Coastal Habitat Resilience in Florida</p> <p>---</p> <p>MODERATOR:</p> <p><b>Corey Anderson</b> <i>Florida Fish and Wildlife Conservation Commission</i></p>	<p>Targeted Outreach for Green Infrastructure in Vulnerable Areas (TOGI): A Pilot Study Empowering Historically Underserved Communities in Resiliency Actions</p> <p>---</p> <p>MODERATOR:</p> <p><b>Briana Yancy</b> <i>EPA</i></p>	<p>Technology and Tools to Support Restoration in the Gulf</p> <p>---</p> <p>MODERATOR:</p> <p><b>Cameron Perry</b> <i>HDR</i></p>	<p>Deepwater Horizon NRDA Progress: Restoring and Conserving Habitat</p> <p>---</p> <p>MODERATOR:</p> <p><b>Stella Wilson</b> <i>NOAA</i></p>	<p>How Priority High Marsh Habitat Is Considered and Integrated in Tidal Marsh Restoration Efforts in the Northeastern U.S.</p> <p>---</p> <p>MODERATOR:</p> <p><b>Mitch Hartley</b> <i>Atlantic Coast Joint Venture / U.S. Fish &amp; Wildlife Service</i></p>	<p>NRCS in the Coastal Zone: Conservation Planning and Soil Science as Tools for Estuarine and Coastal Restoration</p> <p>---</p> <p>MODERATOR:</p> <p><b>Gene Kim</b> <i>USDA Natural Resources Conservation Service - National Water Quality Specialist/Aquatic Ecologist</i></p>
Details	<p><b>PRESENTERS:</b></p> <p><b>Kent Smith</b> <i>Florida Fish and Wildlife Conservation Commission (FFWCC)</i></p> <p><b>Ryan Moyer</b> <i>TerraCarbon</i></p> <p><b>Matthew McCarthy</b> <i>Oak Ridge National Laboratory</i></p> <p><b>Ryan Moyer</b> <i>TerraCarbon</i></p> <p><b>Julie Mitchell</b> <i>Florida Fish and Wildlife Conservation Commission</i></p> <p><b>Erin McDevitt</b> <i>FFWCC</i></p> <p><b>Savanna Hearne</b> <i>FFWCC</i></p> <p><b>Danielle Ogurcak</b> <i>Florida International University</i></p> <p><b>Corey Anderson</b> <i>FFWCC</i></p> <p><b>Laura Geselbracht</b> <i>The Nature Conservancy</i></p>	<p>The TOGI Project</p> <p><b>Alisa Wilson</b> <i>Skeo Solutions</i></p> <p>Mattaponi TOGI Project</p> <p><b>Mark Custalow</b> <i>Mattaponi Tribe</i></p> <p>Upper Mattaponi TOGI Project</p> <p><b>Leigh Mitchell</b> <i>Upper Mattaponi Tribe</i></p> <p>Cambridge MD TOGI Project</p> <p><b>Lajan Cephas</b> <i>Cambridge City Council</i></p> <p>Williamsport PA TOGI Project</p> <p><b>Melvin Zimmerman</b> <i>Lycoming College</i></p>	<p>Developing an Ecological Suitability Index to Inform Estuarine Restoration in the Gulf of Mexico</p> <p><b>Lisa Smith</b> <i>U.S. Environmental Protection Agency</i></p> <p>Hybrid Modeling of Future Estuarine and Ecological Conditions at Barataria Preserve, Louisiana</p> <p><b>Kevin Hanegan</b> <i>Moffatt &amp; Nichol</i></p> <p>Automated Approaches to Wetland Habitat Classification and Landscape Development Intensity for Louisiana Coastal Watersheds</p> <p><b>Eldon Blancher</b> <i>Moffatt &amp; Nichol</i></p> <p>Inclusion of Science-Driven Support Tools into Gulf Coast Conservation Programming: Building Capacity for Land Conservation through the Gulf Partnership's Strategic Conservation Vision</p> <p><b>Vance Crain</b> <i>Partnership for Gulf Coast Land Conservation Inc</i></p> <p>Translating Science: the Importance of Clear, Transparent Data Communication for Effective Decision-Making</p> <p><b>Erin Kinney</b> <i>HARC</i></p>	<p>Deepwater Horizon NRDA: Land Acquisition as a Restoration Technique for Long-Term Restoration and Conservation</p> <p><b>Dianne Ingram</b> <i>DOI/FWS/Gulf Restoration Office</i></p> <p>Restoring Living Shorelines and Estuaries in Mississippi</p> <p><b>Valerie Alley</b> <i>Mississippi Department of Environmental Quality</i></p> <p>Pensacola Bay Living Shoreline Project: Lessons Learned from Engineering Design and Construction</p> <p><b>Erin Rooney</b> <i>HDR Engineering, Inc.</i></p> <p>Restoring and Conserving Habitat on Barrier Islands and Federally Managed Lands</p> <p><b>Erin Plitsch</b> <i>DOI/FWS/Gulf Restoration Office</i></p> <p>Deepwater Horizon NRDA Restoration of Coastal Islands and Living Shorelines</p> <p><b>Katie Baltzer</b> <i>The Nature Conservancy</i></p>	<p>Is Historic Ditching a Major Contributor to Spartina Patens Marsh Loss?</p> <p><b>Joseph Smith</b> <i>U.S. Fish and Wildlife Service</i></p> <p>Low-Tech Approaches to Saltmarsh Restoration in the Mid-Atlantic</p> <p><b>Kaity Ripple</b> <i>U.S. Fish and Wildlife Service</i></p> <p><b>Brian Marsh</b> <i>U.S. Fish and Wildlife Service</i></p> <p>Beneficial Use of Dredged Sediment: Examples and Lessons from Sites Where Project Goals Included Creation of High Marsh Habitats</p> <p><b>Adrianna Zito-Livingston</b> <i>The Nature Conservancy</i></p> <p>Planning Barnegat Bay Marsh Restoration: A Holistic Approach to Restoring High and Low Marsh Habitat</p> <p><b>Danielle McCulloch</b> <i>U.S. Fish and Wildlife Service, Coastal Program</i></p> <p>Assessment of Salt Marsh Restoration Practitioner Needs and Obstacles to Implementation in the Northeastern US</p> <p><b>Suzanne Paton</b> <i>U.S. Fish and Wildlife Service</i></p> <p><b>Katie Kahl</b> <i>UMass Amherst Gloucester Marine Station</i></p> <p><b>Mitch Hartley</b> <i>U.S. Fish and Wildlife Service</i></p>	<p>Louisiana NRCS State Perspective for Coastal/Wetlands Restoration</p> <p><b>Britt Paul</b> <i>Louisiana NRCS - Assistant State Conservationist/Water Resources</i></p> <p>Mapping Soils and Blue Carbon Stocks in the Coastal U.S.</p> <p><b>Greg Taylor</b> <i>USDA-NRCS, Soil and Plant Science Division, Senior Soil Scientist for Special Projects</i></p> <p>NRCS Plant Materials Program: Selecting and Evaluating Plants for Successful Performance in Coastal Restoration Projects</p> <p><b>Christopher Miller</b> <i>USDA-NRCS Cape May Plant Materials Center / USDA Northeast Climate Hub Team-Collaborating Scientist/ Partner</i></p> <p>Agricultural Conservation Easement Program – Wetland Reserve Easements (ACEP-WRE) - An Overview</p> <p><b>Ken Kriesse</b> <i>USDA NRCS, ACEP – WRE National Program Manager</i></p> <p>Emergency Watershed Protection Program for Floodplain Easements – An Overview</p> <p><b>Janeiro (J.J.) Smith</b> <i>USDA NRCS - Easements Program Division: Implementation &amp; Stewardship Branch, Natural Resources Specialist</i></p>



# Concurrent Sessions 6

Tuesday, December 6 | 2:00 pm – 3:30 pm

St Charles	Ascot-Newbury	Fulton	Parish	Camp	Remote 1	Session
<p><b>De Gullah/Geechee Soul Nourishing Estuary: De Coast and Cultural Heritage</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Queen Quet</b> <i>Gullah/Geechee Sea Island Coalition</i></p>	<p><b>Water Management for Community Resilience</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Becky Allee</b> <i>NOAA Office for Coastal Management</i></p>	<p><b>Keeping Congress Engaged in Coastal and Estuarine Restoration</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Rich Innes</b> <i>Association of National Estuary Programs</i></p>	<p><b>Sharing Knowledge on Integrating Climate into Coastal and Marine Protected Area Management</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Lauren Wenzel</b> <i>NOAA Marine Protected Areas Center</i></p>	<p><b>Ensuring Positive Outcomes in Oyster Restoration Through Successful Partnerships in the Virginia Portion of the Chesapeake Bay</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Chris Moore</b> <i>Chesapeake Bay Foundation</i></p>	<p><b>Research on Nature-Based Solutions for Urban Coastal Flood Risk Reduction</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Paul Kirshen</b> <i>Stone Living Lab &amp; University of Massachusetts Boston</i></p>	
<p><b>PRESENTERS:</b></p> <p><b>Queen Quet</b> <i>Gullah/Geechee Sea Island Coalition</i></p> <p><b>Kwame Sha</b> <i>Gullah/Geechee Sea Island Coalition</i></p> <p><b>Glenda Simmons-Jenkins</b> <i>Gullah/Geechee Cultural Heritage Committee of Northeast Florida</i></p>	<p><b>How to Choose: Criteria for Selecting Stormwater Remediation Sites When There is Overwhelming Need and Finite Resources</b></p> <p><b>Jordan Mora</b> <i>Association to Preserve Cape Cod</i></p> <p><b>City to Shore: Using Nature Based Solutions in Upstream Environments to Protect Coastal Ecosystems</b></p> <p><b>Lucia Ruggiero</b> <i>American Littoral Society</i></p> <p><b>Adaptive Management in Restoring River Connectivity: Dam Removal in the Mattatuxet</b></p> <p><b>Kate McPherson</b> <i>Save the Bay</i></p> <p><b>New Orleans' Water Solutions Driven by Social and Environmental Equity</b></p> <p><b>Dan Grandal</b> <i>Stantec Consulting, Inc.</i></p> <p><b>Creating Environmental and Community Resilience through Stream Restoration</b></p> <p><b>Guillermo Simon</b> <i>Half Associates, Inc.</i></p>	<p><b>PRESENTERS:</b></p> <p><b>Staff of US Representative Garrett Graves (Invited)</b> <i>U.S. Congress</i></p> <p><b>Daniel Hayden</b> <i>Restore America's Estuaries</i></p> <p><b>Staff of Senator Bill Cassidy (invited)</b> <i>U.S. Congress</i></p> <p><b>Jeffrey Lerner</b> <i>Partnership Programs Branch Chief Partnership Programs Branch Chief, EPA</i></p> <p><b>Carrie Selberg Robinson</b> <i>Director of the Office of Habitat Conservation, NOAA</i></p> <p><b>Mindy Simmons</b> <i>Senior Environmental Policy Advisor, Headquarters, U.S. Army Corps of Engineers</i></p>	<p>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?</p> <p><b>PRESENTERS:</b></p> <p><b>Lauren Wenzel</b> <i>NOAA Marine Protected Areas Center</i></p>	<p>USACE's Chesapeake Bay Native Oyster Recovery Program</p> <p><b>Heather Lockwood</b> <i>U.S. Army Corps of Engineers</i></p> <p>Funding and Coordinating Oyster Restoration in America's Largest Estuary</p> <p><b>Andrew Larkin</b> <i>NOAA</i></p> <p>Virginia's First (and Sixth) Tributary for Oysters</p> <p><b>Joe Rieger</b> <i>Elizabeth River Project</i></p> <p>A State Agency Perspective on Oyster Restoration</p> <p><b>Andrew Larkin</b> <i>NOAA</i></p> <p><b>Heather Lockwood</b> <i>U.S. Army Corps of Engineers</i></p> <p>Lessons from the Largest Completed Oyster Restoration Project on the Planet</p> <p><b>Andrew Lacatell</b> <i>The Nature Conservancy</i></p>	<p>Salt Marsh Research and Restoration in the Densely Urbanized Belle Isle Marsh</p> <p><b>Jahson Alemu</b> <i>The Nature Conservancy</i></p> <p>Modifications of Coastal Protection Structures to Enhance Biodiversity and Ecosystem Services</p> <p><b>Lucy Lockwood</b> <i>Stone Living Lab &amp; University of Massachusetts Boston</i></p> <p>The Climate Resilient City Toolbox for Metrics for Urban Nature-Based Solutions</p> <p><b>Keren Bolter</b> <i>Deltares USA</i></p> <p>Community Engagement in Coastal Sediment Diversion Projects in Bangladesh</p> <p><b>Shah Khan</b> <i>Stockton University</i></p> <p>Developing Robust Policies for Nature-Based Solutions for Coastal Flood Protection in Boston</p> <p><b>Jessica Lillquist</b> <i>Stone Living Lab &amp; University of Massachusetts Boston</i></p>	Details

# Concurrent Sessions 7

Tuesday, December 6 | 4:00 pm – 5:30 pm

TUESDAY

	Jefferson	Jackson	Magazine	Royal	Commerce
Session	<p><b>Growing a Diverse Estuarine Research and Management Workforce</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Susan Park</b> <i>Coastal and Estuarine Research Federation</i></p>	<p><b>Utilizing the Coastal Carbon Atlas in State Blue Carbon Inventories</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Jaxine Wolfe</b> <i>Smithsonian Environmental Research Center</i></p>	<p><b>Florida's Nature Coast: Partnering to Protect a Way of Life</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Cameron Jaggard</b> <i>The Pew Charitable Trusts</i></p>	<p><b>NRDA Oyster Restoration for the Deepwater Horizon Oil Spill (DWH NRDA Track)</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Eric Weissberger</b> <i>NOAA</i></p>	<p><b>Focus on Restoration of Tidal Marshes</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Ben Sheelk</b> <i>The Ocean Foundation</i></p>
Details	<p><b>CERF Rising TIDES Conference Program</b></p> <p><b>Allison Fitzgerald</b> <i>New Jersey City University and New York Oyster Program Coordinator at NY/NJ Baykeeper</i></p> <p><b>Increasing the Inclusivity of the Knauss Marine Policy Fellowship</b></p> <p><b>Maddie Kennedy</b> <i>NOAA National Sea Grant Office</i></p> <p><b>GI Workforce Development : A New Paradigm : Real Investment Real Outcomes</b></p> <p><b>Todd Reynolds</b> <i>Executive Director Groundwork New Orleans</i></p> <p><b>Building a Coastal Restoration Workforce at the Community College Level</b></p> <p><b>Jacqueline Richard</b> <i>Nunez Community College</i></p> <p><b>The SEAS Islands Alliance: Supporting Island Students to Join the Marine Science Workforce</b></p> <p><b>Susan Park</b> <i>Coastal and Estuarine Research Federation</i></p>	<p><b>PANELISTS:</b></p> <p><b>Jaxine Wolfe</b> <i>Smithsonian Environmental Research Center</i></p> <p><b>James Holmquist</b> <i>Smithsonian Environmental Research Center</i></p>	<p><b>Aquatic Preserve Program</b></p> <p><b>Michael Shirley</b> <i>Florida Department of Environmental Protection</i></p> <p><b>Angling for a Sustainable Environment and Economy</b></p> <p><b>Bruce Pohlott</b> <i>International Game Fish Association</i></p> <p><b>Reaching Consensus for Conservation</b></p> <p><b>Laura Reynolds</b> <i>University of Florida</i></p> <p><b>Local Perspectives on the Nature Coast Aquatic Preserve</b></p> <p><b>Melissa Charbonneau</b> <i>Pasco County</i></p> <p><b>Local Perspectives on the Nature Coast Aquatic Preserve</b></p> <p><b>Captain William Toney</b> <i>Homosassa Inshore Fishing</i></p>	<p><b>Low Salinity Tolerant Oysters as Critical Components of Coastal Gulf Restoration</b></p> <p><b>Beth Stauffer</b> <i>University of Louisiana at Lafayette</i></p> <p><b>Oyster Restoration in Louisiana: Status Updates</b></p> <p><b>Carolina Bourque</b> <i>Louisiana Department of Wildlife and Fisheries</i></p> <p><b>Oysterflows: Using Science and Data Visualization to Evaluate Freshwater Impacts to Oysters in the Gulf of Mexico</b></p> <p><b>Bryan Piazza</b> <i>The Nature Conservancy</i></p> <p><b>Effectiveness of a Living Shoreline in Supporting Benthic Invertebrate Communities</b></p> <p><b>Sarah Ballard</b> <i>Anchor QEA, LLC</i></p> <p><b>Developing Outcome Measures for Large-Scale Oyster Restoration</b></p> <p><b>Megan La Peyre</b> <i>U.S. Geological Survey, Louisiana Cooperative Fish &amp; Wildlife Research Unit</i></p>	<p><b>Learning from the Past to Restore the Future: Every Marsh Was a Farm</b></p> <p><b>Susan Adamowicz</b> <i>Rachel Carson National Wildlife Refuge</i></p> <p><b>Dutch Slough Tidal Marsh Restoration Project – Restoration Design Approach</b></p> <p><b>Mark Lindley</b> <i>Environmental Science Associates (ESA)</i></p> <p><b>Vegetation Response to High Marsh Restoration Efforts</b></p> <p><b>Richard Peel</b> <i>The George Washington University</i></p> <p><b>Restoration Efforts by the Town of Truro for the Pamet River Estuarine System</b></p> <p><b>Mitch Buck</b> <i>Woods Hole Group</i></p>

# Concurrent Sessions 7

Tuesday, December 6 | 4:00 pm – 5:30 pm

Canal	St Charles	Ascot-Newbury	Fulton	Camp	Remote 1	
<p><b>NRCS Support for Enhancing and Quantifying Ecosystem Services in the Coastal Zone: A Roundtable Discussion</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Gene Kim</b> <i>USDA Natural Resources Conservation Service (NRCS), National Water Quality Specialist/Aquatic Ecologist</i></p>	<p><b>Community Engagement</b></p> <p>---</p> <p><b>MODERATORS:</b> <b>Alexia Yau</b> <i>U.S. Fish &amp; Wildlife Service</i> <b>David Portilla</b> <i>U.S. Fish &amp; Wildlife Service</i></p>	<p><b>Water Quality and Habitat</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Bob Murphy</b> <i>Tetra Tech, Inc.</i></p>	<p><b>Planning and Policy</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Ann Redmond</b> <i>Brown and Caldwell</i></p>	<p><b>The Use of Non-Plastic Materials for Oyster Reef and Shoreline Restoration in Florida.</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Jessy Wayles</b> <i>Marine Discovery Center</i></p>	<p><b>Best Practices for Funding and Financing Natural Infrastructure: Success Stories and Lessons Learned</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Bari Greenfield</b> <i>USACE Institute for Water Resources</i></p>	Session
<p><b>Louisiana NRCS State Perspective for Coastal/Wetlands Restoration</b> <b>Britt Paul</b> <i>Louisiana NRCS - Assistant State Conservationist/Water Resources</i></p> <p><b>Mapping Soils and Blue Carbon Stocks in the Coastal U.S.</b> <b>Greg Taylor</b> <i>USDA-NRCS, Soil and Plant Science Division, Senior Soil Scientist for Special Projects</i></p> <p><b>NRCS Plant Materials Program: Selecting and Evaluating Plants for Successful Performance in Coastal Restoration Projects</b> <b>Christopher Miller</b> <i>USDA-NRCS Cape May Plant Materials Center</i></p> <p><b>Agricultural Conservation Easement Program – Wetland Reserve Easements (acep ACEP-WRE) - an Overview</b> <b>Ken Kriesse</b> <i>USDA NRCS, ACEP – WRE National Program Manager</i></p> <p><b>Emergency Watershed Protection Program for Floodplain Easements – an Overview</b> <b>Janeiro (J.J.) Smith</b> <i>USDA NRCS - Easements Program Division: Implementation &amp; Stewardship Branch, Natural Resources Specialist</i></p>	<p><b>Bridging Communities Upstream and Downstream for Nitrogen Management, Building an Inclusive People-Centered Platform</b> <b>Maya Trotz</b> <i>University of South Florida</i></p> <p><b>Restoration Corps: A Hands-On Summer Work Experience to Advance Equity</b> <b>Lucia Ruggiero</b> <i>American Littoral Society</i></p> <p><b>Frontline Communities First: Prioritizing Climate Justice in Watershed Resilience Planning</b> <b>Alicia Lehrer</b> <i>Woonasquatucket River Watershed Council</i></p> <p><b>Meaningful Engagement with Disadvantaged Communities and Tribes in the San Francisco Estuary: Weaving in Systemic Equity to Heal Historical Trauma</b> <b>James Muller</b> <i>San Francisco Estuary Partnership</i></p> <p><b>"I Can't Get to the River" - Natural Resource Restoration for Environment and Community in the Cape Fear River Basin, NC</b> <b>Krista McCracken</b> <i>NOAA Restoration Center</i> <b>Ian Rossiter</b> <i>NOAA Restoration Center</i></p>	<p><b>Multi-Stakeholder Partnership to Restore Critical Gulf Coast Manatee Warm-Water Habitat in Sarasota County, Florida</b> <b>Maria Merrill</b> <i>Florida Fish and Wildlife Conservation Commission</i></p> <p><b>Characterizing Ecological (phytoplankton/bacteria) and Biogeochemical Processes within an Urban Estuary (Long Island, USA): Implications for Nitrogen Management</b> <b>Dianne Greenfield</b> <i>CUNY Advanced Science Research Center</i></p> <p><b>Watershed Collaboration: The Key to Enhancing Capacity and Resilience</b> <b>Stefanie Covino</b> <i>Blackstone Watershed Collaborative</i></p> <p><b>Validation of Permeable Reactive Barrier Technology for Non-Point Source Groundwater Nitrogen Remediation</b> <b>Matthew Charette</b> <i>Woods Hole Oceanographic Institution</i></p>	<p><b>The Landscape of State Resilience and Adaptation Planning in 2022</b> <b>Mathew Sanders</b> <i>The Pew Charitable Trusts</i></p> <p><b>Holding States Accountable for Harmful Algal Blooms: A Florida Case Study</b> <b>Jason Totoiu</b> <i>Center for Biological Diversity</i></p> <p><b>Governance and the Mangrove Commons: Advancing the Cross-Scale, Nested Framework for the Global Conservation and Wise Use of Mangroves</b> <b>Julie Walker</b> <i>St. Mary's College of Maryland</i></p> <p><b>The Confluence of Water and Environmental Justice: A Systematic Literature Review</b> <b>Katherine Canfield</b> <i>U.S. Environmental Protection Agency, Center for Environmental Measurement and Modeling, Atlantic Coastal Environmental Sciences Division</i></p> <p><b>Addressing Flooding and Water Quality through Engagement of "Teens with a Purpose" at Purpose Park in Norfolk, VA</b> <b>Christy Everett</b> <i>Chesapeake Bay Foundation</i></p>	<p><b>Shuck &amp; Share: Oyster Recycling and a Future in Biodegradable Materials</b> <b>Tess Sailor-Tynes</b> <i>Marine Discovery Center</i></p> <p><b>Success of Multiple Types of Biodegradable Materials (BESE, Metal Gabions, Jute/Cement) for Use in Intertidal Oyster Reef Restoration</b> <b>Linda Walters</b> <i>University of Central Florida</i></p> <p><b>Comparisons of Biodegradable Materials as Breakwaters for Living Shoreline Stabilization in Florida</b> <b>Melinda Donnelly</b> <i>University of Central Florida</i></p> <p><b>Evaluating the Early Performance of Metal Gabions for Oyster Enhancement in the Indian River Lagoon</b> <b>Olivia Escandell</b> <i>Brevard Zoo</i></p> <p><b>Plastic Free Restoration of Oyster Shorelines</b> <b>Caity Savoia</b> <i>Marine Resources Council</i></p>	<p><b>Overview of the SAGE/ EWN Natural Infrastructure Funding and Financing Case Studies</b> <b>Bari Greenfield</b> <i>USACE Institute for Water Resources</i></p> <p><b>South Bay Salt Pond Restoration: Strong Planning and Partnerships Sustain the Largest Wetland Restoration Project on the West Coast</b> <b>Laura Cholodenko</b> <i>California State Coastal Conservancy</i></p> <p><b>Exploration Green: Leveraging Social Capital for a Biodiverse and Flood-Resilient Community Space</b> <b>Jennifer Morrow</b> <i>Clear Lake City Water Authority</i></p> <p><b>Elizabeth River Project: Capturing Multiple Benefits to Enhance Water Quality and Flood Protection Along an Urban River</b> <b>Joe Rieger</b> <i>Elizabeth River Project</i></p> <p><b>Hunter's Point South Park: Affordable Housing and Green/gray Design Join Forces to Revitalize a Waterfront Neighborhood</b> <b>Leonard Greco</b> <i>NYC Economic Development Corporation</i> <b>Thomas Balsley</b> <i>SWA Balsley</i></p>	Details

# Concurrent Sessions 8

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

WEDNESDAY

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



# Concurrent Sessions 8

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

Canal	Fulton	Parish	Camp	Remote 1	Session
<b>Management from Watershed to Waterfront</b> --- <b>MODERATOR:</b> <b>Peter Linderoth</b> <i>Save the Sound</i>	<b>Bipartisan Infrastructure Law: An Unprecedented Opportunity to Increase Resilience through Habitat Restoration and Conservation Across the Country</b> --- <b>MODERATOR:</b> <b>Carrie Selberg Robinson</b> <i>NOAA Fisheries, Office of Habitat Conservation</i>	<b>Resilient Shorelines, Resilient Communities</b> --- <b>MODERATOR:</b> <b>Devyani Kar</b> <i>Stantec</i>	<b>Navigating Oyster Shell Recycling Programming throughout the COVID-19 Pandemic</b> --- <b>MODERATOR:</b> <b>Haille Leija</b> <i>Galveston Bay Foundation</i>	<b>Remote Session III</b>	
<b>Watershed Management Plan Implementation in the D'Olive Watershed in Baldwin County, Alabama</b> <a href="#">Jason Kudulis</a> <i>Mobile Bay National Estuary Program</i> <b>Applications of Adaptive Management Planning in Coastal South Carolina: Kiawah Island, SC</b> <a href="#">Lucas Hernandez</a> <i>Weston &amp; Sampson</i> <b>There's No Shortcut to Restoration</b> <a href="#">Stephen Creighton</a> <i>Water Environment Consultants</i> <b>A New Resilient and Sustainable Waterfront in One of Boston's Oldest Neighborhood - East Boston, Massachusetts</b> <a href="#">John Frey</a> <i>Weston &amp; Sampson</i> <b>Understanding the Benefits of Natural and Nature-Based Features to Inform Climate Adaptation in Maryland</b> <a href="#">Jackie Specht</a> <i>The Nature Conservancy, MD/DC Chapter</i>	<b>Update of NOAA's Habitat Conservation Opportunities Under the Bipartisan Infrastructure Law</b> <a href="#">Chris Doley</a> <i>NOAA Fisheries, Office of Habitat Conservation, Restoration Center</i> <b>Expansion of Habitat Restoration and Conservation for Coastal Management</b> <a href="#">Joelle Gore</a> <i>NOAA Office for Coastal Management</i> <b>Strengthening Natural Infrastructure through Increased Investment in the National Coastal Resilience Fund</b> <a href="#">Arielle Mion</a> <i>National Fish and Wildlife Foundation</i> <b>Including Tribal Considerations in Infrastructure Funding Opportunities</b> <a href="#">Janine Harris</a> <i>NOAA Fisheries, Office of Habitat Conservation, Restoration Center</i>	<b>Creating Coastal Resiliency in a Florida Coastal County on the Gulf of Mexico</b> <a href="#">Shelley Alexander</a> <i>Santa Rosa County</i> <b>Adaptive Management: Overcoming Soft Soils and Hurricanes in Dickinson Bayou</b> <a href="#">Philip Blackmar</a> <i>HDR Engineering, Inc.</i> <b>Ecological, Societal and Economic Betterment from Shoreline Protection at Brunswick Town/ Fort Anderson</b> <a href="#">Phillip Todd</a> <i>Atlantic Reefmaker</i> <b>Jack Creek Park Improvements using Beneficial Use of Dredged Material, Living Shoreline Techniques and Green Infrastructure for Public Access in Anne Arundel County, Maryland</b> <a href="#">Anna Johnson</a> <i>BayLand Consultants &amp; Designers, Inc.</i> <b>From Bullets to the Bay: Using Military Barriers for Shoreline Restoration</b> <a href="#">Zack Royle</a> <i>American Littoral Society</i>	<b>Community Mobilization for Oyster Shell Recycling Throughout the COVID-19 Pandemic</b> <a href="#">Darrah Bach</a> <i>Coalition to Restore Coastal Louisiana (CRCL)</i> <b>Expansion of Shell Recycling Operations During the COVID-19 Pandemic</b> <a href="#">Haille Leija</a> <i>Galveston Bay Foundation</i> <b>Restaurants to Reefs: Expanding Shell Collection Capacity in NYC After COVID-19</b> <a href="#">Charlotte Boesch</a> <i>Billion Oyster Project (BOP)</i> <b>Maintaining Volunteer Relationships During the COVID-19 Pandemic through Oyster Shell Recycling</b> <a href="#">Julie Luecke</a> <i>Chesapeake Bay Foundation</i> <b>Promoting the Resurgence of the New Jersey Oyster through Shell Recycling</b> <a href="#">Julie Schumacher</a> <i>American Littoral Society</i>	<b>The Contribution of Citizen Science for Determining the Population Dynamics of Common Nearshore Forage Fish in the Delaware Inland Bays</b> <a href="#">Andrew McGowan</a> <i>Delaware Center for the Inland Bays</i> <b>Runnels Reverse Mega-pool Expansion and Improve Marsh Resiliency in the Great Marsh, Massachusetts</b> <a href="#">James McKown</a> <i>University of New Hampshire - Durham, NH</i> <b>Seeking Refuge: Informing Resilient Restoration of Olympia Oysters in San Francisco Bay</b> <a href="#">Allie Margulies</a> <i>San Francisco State University</i> <b>Land Conservation Planning for Flood Resilience: An Institutional Analysis of Ecosystem-Based Flood Risk Management in New Hampshire's Coastal Watershed</b> <a href="#">Michal Zahorik</a> <i>University of New Hampshire</i>	<b>Details</b>

WEDNESDAY

# Concurrent Sessions 9

Wednesday, December 7 | 10:30 am – Noon

WEDNESDAY

	Jefferson	Jackson	Magazine	Royal	Commerce
Session	<p>Scoping and Design of Actionable Science: Connecting Researchers and Resource Managers to Co- Produce Actionable Science in the Gulf of Mexico</p> <p>---</p> <p>MODERATOR:</p> <p><b>Caitlin Young</b> <i>NOAA RESTORE Science Program</i></p>	<p>Investing in Coastal Resilience – Is Progress Being Seen in the U.S.?</p> <p>---</p> <p>MODERATOR:</p> <p><b>Denise Reed</b> <i>University of New Orleans</i></p>	<p>Coastal Resilience I</p> <p>---</p> <p>MODERATOR:</p> <p><b>Eric Weissberger</b> <i>NOAA Restoration Center</i></p>	<p>Assessing Ecological Service Flows of Estuarine Habitat Restoration for Nekton - Perspectives from around the Gulf of Mexico (DWH NRDA Track)</p> <p>---</p> <p>MODERATOR:</p> <p><b>Ian Zink</b> <i>NOAA NMFS OHC RC DWH Program</i></p>	<p>Innovations in Environmental Monitoring</p> <p>---</p> <p>MODERATOR:</p> <p><b>Darrah Bach</b> <i>Coalition to Restore Coastal Louisiana</i></p>
Details	<p>PANELISTS:</p> <p><b>Eric Sparks</b> <i>Mississippi State University</i></p> <p><b>Rachelle Sanderson</b> <i>Capital Region Planning Commission</i></p> <p><b>Nichole Michel</b> <i>National Audubon Society</i></p> <p><b>Ehab Meselhe</b> <i>Tulane University</i></p> <p><b>Laura Manuel</b> <i>Tulane University</i></p> <p><b>Corey Anderson</b> <i>Florida Fish and Wildlife Conservation Commission</i></p>	<p>With many important, comprehensive, well-funded coastal programs in place, what does the future of the nation's shorelines look like? This expert 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 USACE (confirmed), environmental organizations and the others working at the regional scale in this important area.</p> <p>National Shoreline Management Study</p> <p><b>Marriah Abellera</b> <i>U.S. Army Corps of Engineers</i></p>	<p>Resilient MA Action Team RMAT Statewide Climate Resilience Standards Tool</p> <p><b>Indrani Ghosh</b> <i>Weston &amp; Sampson</i></p> <p>Collaborative Action for Lake Michigan (CALM) Coastal Resilience: Enhancing Coastal Hazard Resilience Efforts on Wisconsin's Lake Michigan Shoreline</p> <p><b>Lydia Salus</b> <i>Wisconsin Coastal Management Program</i></p> <p>Sea Level Rise and Storm Surge Impacts Assessment for Texas Coastal Resiliency Planning - Effects of Resiliency Projects and Analysis of Economic Impact</p> <p><b>Marissa Dotson</b> <i>AECOM</i></p> <p>Sea Level Rise and Storm Surge Impacts Assessment for Texas Coastal Resiliency Planning – Modeling Framework and Geohazards Mapping</p> <p><b>Mukesh Subedee</b> <i>Harte Research Institute, Texas A&amp;M University - Corpus Christi</i></p> <p>Improving Coastal Resiliency in Point Hope, Alaska</p> <p><b>Taber Midgley</b> <i>EA Engineering, Science, and Technology, Inc., PBC</i></p>	<p>A Framework for Evaluating the Benefit of Coastal Wetland Restoration for Fishes and Invertebrates Injured by the Deepwater Horizon Oil Spill</p> <p><b>Ian Zink</b> <i>NOAA NMFS OHC RC DWH Program</i></p> <p>Community and Food-Web Approaches to Informing Marsh Restoration in Coastal Louisiana</p> <p><b>Michael Polito</b> <i>Louisiana State University</i></p> <p>A Conservation and Management Tool for Coastal and Estuarine Ecosystems: Fish Production Calculator for Salt Marsh and Seagrass Habitats</p> <p><b>Kara Meckley</b> <i>NOAA NMFS OHC HP</i></p> <p>Novel Application of Fine-Scale Acoustic Telemetry: Tracking Sportfish Movements in the Noisy Environment of a Protected Shoreline</p> <p><b>Sarah Ramsden</b> <i>University of South Alabama School of Marine &amp; Environmental Sciences at Dauphin Island Sea Lab</i></p>	<p>Beyond Ecological Indicators: How Characterizing Submerged Aquatic Vegetation Communities Can Offer Insight Into Ecological Regimes and Patterns</p> <p><b>Kristin DeMarco</b> <i>Louisiana State University</i></p> <p>Using Traditional and Novel Techniques to Monitor Shinnecock Bay's Crab Community</p> <p><b>Maria Grima</b> <i>Shinnecock Bay Restoration Program, Stony Brook University</i></p> <p>Pooled Monitoring – A Novel Approach that Pools Funding to Support Research Answering Key Restoration Questions vs Site/ Project Specific Monitoring in the Chesapeake Bay</p> <p><b>Sadie Drescher</b> <i>Chesapeake Bay Trust</i></p> <p>GulfCorps' Monitoring Program</p> <p><b>Karrie Arnold</b> <i>The Nature Conservancy</i></p> <p>Evaluation and Synthesis of Changing Environmental Conditions and their Impacts on Fish and Habitat Resources in the Chesapeake Bay</p> <p><b>Mandy Bromilow</b> <i>ERT, Inc.</i></p>

# Concurrent Sessions 9

## Wednesday, December 7 | 10:30 am – Noon

Canal	Fulton	Parish	Camp	Remote 1	Session
<p><b>From Offshore Wind to Coastal Dredging: A Discussion with Office Hours on Technical and Policy Aspects of Managing Federal Consistency Programs to Advance Healthy and Vibrant Coasts</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Elizabeth Ruther</b> <i>The Pew Charitable Trusts</i></p>	<p><b>In-State Approaches to Planning for Resilient Coastlines and Communities</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Kristiane Huber</b> <i>The Pew Charitable Trusts</i></p>	<p><b>Beneficial Re-Use of Dredge Material</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Tyler Bosworth</b> <i>Coalition to Restore Coastal Louisiana</i></p>	<p><b>Amazing Oysters! Reef Restoration for Resilience</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Jessie Olson</b> <i>Save The Bay - San Francisco</i></p>	<p><b>Restored Seagrass and Mangrove Blue and Black Carbon in the Gulf of Mexico</b></p> <p>---</p> <p><b>MODERATOR:</b> <b>Anitra Thorhaug</b> <i>Greater Caribbean Energy and Environment Foundation</i></p>	
<p><b>Tips for Strengthening Enforceable Policies (EPs) for Federal Consistency Review</b></p> <p><b>Amy Reed</b> <i>Environmental Law Institute</i></p> <p><b>Geographic Location Descriptions (GLDs): A Powerful and Under Used Designation within the Coastal Zone Management Act (CZMA)</b></p> <p><b>Deanna Caracciolo</b> <i>Sea &amp; Shore Solutions LLC</i></p>	<p><b>The State of State Resilience Planning</b></p> <p><b>Kristiane Huber</b> <i>The Pew Charitable Trusts</i></p> <p><b>Resilience in Coastal Management</b></p> <p><b>Derek Brockbank</b> <i>Coastal States Organization</i></p> <p><b>The North Carolina Flood Resilience and Coastal Habitat Nexus</b></p> <p><b>Todd Miller</b> <i>North Carolina Coastal Federation</i></p> <p><b>Coastal and Flood Resilience: State Policy and Community Engagement in New Jersey</b></p> <p><b>Nick Angarone</b> <i>New Jersey Department of Environmental Protection</i></p> <p><b>Community Engagement and Relationship-Building: Lessons from Louisiana and Beyond</b></p> <p><b>Jessica Simms</b> <i>Former Lead Outreach and Engagement Coordinator, Isle de Jean Charles Resettlement, Office of Community Development, State of Louisiana</i></p>	<p><b>Marsh Restoration, Seagrass Protection, and Bird Island Creation Design in Texas Through the Beneficial Use of Dredged Material</b></p> <p><b>Hayden Smith</b> <i>Anchor QEA, LLC</i></p> <p><b>Pierce Marsh Restoration: Collaboration, Paperwork, Challenges and Success with Restoring a Marsh with Mud</b></p> <p><b>Angela Sunley</b> <i>Texas General Land Office</i></p> <p><b>Opportunities and Challenges with the Beneficial Use of Federal Dredged Material for Estuaries</b></p> <p><b>Joseph Berlin</b> <i>AECOM</i></p> <p><b>Texas Dredged Material Planning for Wetland Restoration</b></p> <p><b>Ray Newby</b> <i>Texas Department of Transportation</i></p> <p><b>Twenty Years of Marsh Restoration at Poplar Island: Successes, Challenges and the Focus for the Future of a Large-Scale Beneficial Use Project</b></p> <p><b>Lorie Staver</b> <i>University of Maryland Center for Environmental Science, Horn Point Laboratory</i></p>	<p><b>Community-Focused Oyster Restoration: A Case Study on Brooklyn Shorelines</b></p> <p><b>Robina Taliaferrow</b> <i>Billion Oyster Project</i></p> <p><b>Restored Oyster Reefs Match the Function of Natural Reefs within a Decade</b></p> <p><b>Bowdoin Lusk</b> <i>The Nature Conservancy</i></p> <p><b>Experimental Olympia Oyster Restoration in the Salish Sea; South Puget Sound</b></p> <p><b>Jeff Barney</b> <i>Pierce County Floodplain and Watershed Services</i></p> <p><b>Distribution, Abundance &amp; Connectivity: A Collaboration to Map Oysters from Baja California to British Columbia</b></p> <p><b>Aaron Kornbluth</b> <i>The Pew Charitable Trusts</i></p> <p><b>Reflections on Nearly 30 Years of Oyster Sanctuaries in North Carolina</b></p> <p><b>Erin Fleckenstein</b> <i>NC Coastal Federation</i></p>	<p><b>Restored Seagrasses' Blue Carbon in the Gulf of Mexico</b></p> <p><b>Anitra Thorhaug</b> <i>Greater Caribbean Energy and Environment Foundation</i></p> <p><b>Black vs. Blue Carbon in Mangroves and Seagrasses</b></p> <p><b>John Barry Gallagher</b> <i>University of Tasmania, Australia</i></p> <p><b>Assessing Seagrass, Salt Marsh and Mangrove Distribution in the Gulf of Mexico compared to North America with respect to Carbon Sinks</b></p> <p><b>Gail Chmura</b> <i>McGill University</i></p>	
					Details

# Concurrent Sessions 10

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

WEDNESDAY

	Jefferson	Jackson	Magazine	Royal
Session	<p><b>Collaborating to Sustain a Unique Ecological and Cultural Treasure of America's Gulf Coast, Dauphin Island, Alabama</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Roberta Swann</b> <i>Mobile Bay National Estuary Program</i></p>	<p><b>Connecting Blue Carbon Experts and Federal Policy Makers</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Hilary Stevens</b> <i>Restore America's Estuaries</i></p>	<p><b>Coastal Resilience II</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Corey Miller</b> <i>Coalition to Restore Coastal Louisiana</i></p>	<p><b>Evaluating Large-Scale Restoration Outcomes in the Gulf of Mexico - Scaling Up from Project-Level to Ecosystem-Level Assessment</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Melissa Carle</b> <i>NOAA Fisheries</i></p>
Details	<p><b>PANELISTS:</b></p> <p><b>Jeff Collier</b> <i>Mayor, Town of Dauphin Island</i></p> <p><b>Chris Blankenship</b> <i>Commissioner, Alabama Department of Conservation and Natural Resources</i></p> <p><b>Tina Sanchez</b> <i>Director of Environmental Services, Mobile County</i></p> <p><b>Chris Warn</b> <i>Principal Managing Associate, Environmental Science Associates</i></p> <p><b>Justin McDonald</b> <i>Chief-Civil Works Programs &amp; Project Management Branch, United States Army Corps of Engineers</i></p>	<p><b>PANELISTS:</b></p> <p><b>Christina Hoenow</b> <i>COMPASS</i></p> <p><b>Heather Mannix</b> <i>COMPASS</i></p> <p><b>Jaxine Wolfe</b> <i>Smithsonian Environmental Research Center</i></p> <p><b>Ashlyn Spector</b> <i>NOAA Sea Grant Knauss Fellow</i></p> <p><b>Melissa M. Baustian</b> <i>USGS Wetland and Aquatic Research Center</i></p>	<p><b>Improving Defense Community Coastal Resilience and Ecosystem Sustainability in the Southeast through Partnerships</b></p> <p><b>Michelle Covi</b> <i>University of Georgia Marine Extension and Georgia Sea Grant</i></p> <p><b>Resilient Protection Frameworks: Facilitating Socio-Ecologically Adaptation to Sea Level Rise in Maryland's Rural Landscapes</b></p> <p><b>Jackie Specht</b> <i>The Nature Conservancy</i></p> <p><b>The "What if?" of Climate Resilience: An Innovative Way to Visualize Extreme Storms and Climate Change</b></p> <p><b>Michael McMahon</b> <i>HDR</i></p> <p><b>A Vision for Estuary-Scale Oyster Ecosystem Recovery in the Pensacola Bay System</b></p> <p><b>Katie Konchar</b> <i>Florida Fish and Wildlife Conservation Commission</i></p> <p><b>Oysters, Rock, and So Many Questions: Matagorda Bay, Texas, Living Shoreline</b></p> <p><b>Tam Tran</b> <i>Freese and Nichols, Inc.</i></p>	<p><b>Developing SMART Objectives and Addressing Beyond-Project-Scale Monitoring Needs for Deepwater Horizon Restoration in Coastal Louisiana</b></p> <p><b>Courtney Schupp</b> <i>Earth Resources Technology/NOAA</i></p> <p><b>Evaluating Restoration on a Regional Scale</b></p> <p><b>Richard Raynie</b> <i>Louisiana Coastal Protection and Restoration Authority</i></p> <p><b>Syed Khalil</b> <i>Louisiana Coastal Protection and Restoration Authority</i></p> <p><b>Development of a Lower Trophic Level Baseline Inventory and Monitoring Program to Support Restoration of Living Resources in Barataria Estuary, LA</b></p> <p><b>Erin Kiskaddon</b> <i>The Water Institute of the Gulf</i></p> <p><b>Gulf-Wide Assessment of Restoration Outcomes: Scaling Up Project-Level Information for the Deepwater Horizon Trustees' First Programmatic Review</b></p> <p><b>Nadia Martin</b> <i>Industrial Economics, Inc.</i></p>



# Concurrent Sessions 10

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

Commerce	Canal	Fulton	Parish	Session
<p><b>Measuring and Managing Plastic Pollution</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Victoria Salgado</b> <i>AECOM</i></p>	<p><b>Managing Coastal Systems for Habitat and Climate Resilience</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Briana Yancy</b> <i>U.S. Environmental Protection Agency</i></p>	<p><b>Problem Solving for Coastal Law and Policy: Innovations from the Next Generation of Environmental Lawyers</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Christopher Dalbom</b> <i>Tulane Institute on Water Resources Law &amp; Policy</i></p>	<p><b>Grain by Grain – Charting a Better Course to Beneficial Use of Dredged Material via Planning, Policy, and Practice for a More Resilient Coast</b></p> <p>---</p> <p><b>MODERATOR:</b></p> <p><b>Mike Molnar</b> <i>Manomet</i></p>	
<p><b>Crowd Sourcing Plastic Pollution Data Throughout the Gulf of Mexico</b></p> <p><b>Jace Tunnell</b> <i>University of Texas Marine Science Institute</i></p> <p><b>Nurdle Remediation: Developing a 21st Century Restoration Approach to Plastics Pollution in the Coastal Zone</b></p> <p><b>Ryan Fikes</b> <i>Freese and Nichols, Inc.</i></p> <p><b>Occurrence of Microplastics in Tributaries to Galveston Bay</b></p> <p><b>Zulimar Lucena</b> <i>U.S. Geological Survey</i></p>	<p><b>Integrating Climate Resilience in Strategic Planning to Restore Harvestable Shellfish Beds by Preventing and Reducing Pathogen Pollution in Puget Sound</b></p> <p><b>Audrey Coyne</b> <i>Washington State Department of Health</i></p> <p><b>Coordinating Marsh Models to Inform Decision Making</b></p> <p><b>Elizabeth McNamee</b> <i>NOAA National Centers for Coastal Ocean Science</i></p> <p><b>A Regional Needs Assessment to Help Build a Sustainable &amp; Resilient Long Island Sound</b></p> <p><b>Elizabeth Hornstein</b> <i>New York Sea Grant</i></p> <p><b>Sarah Schaefer-Brown</b> <i>New York Sea Grant</i></p> <p><b>Partnering with Others to Manage Habitat for Great Lakes Piping Plover</b></p> <p><b>Liz Berg</b> <i>U.S. Fish and Wildlife Service</i></p> <p><b>Restoring Forested Tidal Wetlands in the Pacific Northwest: The Once and Future Swamps</b></p> <p><b>Laura Brophy</b> <i>Institute for Applied Ecology</i></p>	<p>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 it's goals. He will also address the class' intended impact on the legal profession and coastal solutions.</p> <p><b>How Legal Education Impacts Coasts in the 21st Century</b></p> <p><b>Christopher Dalbom</b> <i>Tulane Institute on Water Resources Law &amp; Policy</i></p>	<p><b>Beneficial Use of Dredged Materials for Habitat Restoration on the Atlantic Flyway – A Growth Opportunity</b></p> <p><b>Mike Molnar</b> <i>Manomet</i></p> <p><b>Sediment Placement Regulations for Coastal Restoration and Enhancement of U.S. Coastal States and Territories</b></p> <p><b>Derek Brockbank</b> <i>Coastal States Organization</i></p> <p><b>Dredged Material Management Plans (DMMPs) an Enhanced Tool in the DMMPs</b></p> <p><b>Laurel Reichold</b> <i>U.S. Army Corps of Engineers</i></p> <p><b>The Dredge Materials Decision Tool - Helping You Decide Where/whether to Beneficially Use Sediments Since 2021</b></p> <p><b>Kathleen Williams</b> <i>U.S. Environmental Protection Agency</i></p> <p><b>Advancing the Science and Practice of Beneficial Use through Collaboration and Partnership at the Seven Mile Island Innovation Laboratory (SMIIL) in Coastal New Jersey</b></p> <p><b>Lenore Tedesco</b> <i>The Wetlands Institute</i></p>	Details

# 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.



## 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

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.



## Thursday

### 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 DEI

**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**

# Workshops & Trainings

THURSDAY

## 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."

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**SOC23** will consist of **three days** of presentations by leading experts in concurrent sessions, keynote talks, poster sessions and networking opportunities.

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# 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](https://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*



**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 Conservancy / Northeastern University*

**PPF.25 Flooding the Gulf: The Federal Response to a Declared Fishery Disaster Under the Magnuson-Stevens Act**

Dave Stormont, *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**

Korin Davis, *California Coastal Commission*

**PPF.29 Planning for Everglades Restoration Success: Overview of the Comprehensive Everglades Restoration Plan Adaptive Management**

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*

# Poster Presentations

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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, COordination, 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*

## Science, Technology, and Practice (STP)

### **STP.55 Advancing the Science of Coastal Ecosystem Restoration**

Christopher Miller, *USDA-NRCS Cape May Plant Materials Center*

### **STP.56 Greening Up Gray Shorelines: Implementing a Green Bulkhead as a Means of Ecological Uplift**

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 Macrobenthic, Microbial, and Nekton Communities in Living Shoreline Restoration Sites in Galveston Bay, Texas**

Myrah Urquidez, *Lee College/UHCL*

### **STP.64 Examining Shoreline Stability and Restored Plant Communities of Living Shorelines in Galveston Bay, Texas**

Ashley Van Wieren, *Lee College/UHCL*

### **STP.65 Restoring Piping Plover (*Charadrius Melodus Melodus*) Habitat using Living Shorelines and Nature-Based Solutions**

Kirsten Ellis, *CBWES Inc.*

### **STP.66 Jean Lafitte Shoreline Protection Project: Modifying Shoreline Energy Conditions to Restore Submerged Aquatic Vegetation**

Thomas Cancienne, *Stantec*

### **STP.67 Coastal Restoration Activities at MacDill Air Force Base**

Tiffany Lane, *U.S. Fish and Wildlife Service*

### **STP.68 Application of a Novel Living Shoreline Model to Compute Ecosystem Restoration Benefits**

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

### **STP.69 Preliminary Results from the Upper Galveston Bay Sustainable Oyster Reef Restoration Project: the Influence of ENSO on Monitoring Results and Project Performance**

William Rodney, *Texas Parks and Wildlife Department*

### **STP.70 Shoreline Loss of Historical Importance: Using <sup>210</sup>Pb and <sup>137</sup>Cs to Calculate Sediment Accumulation**

Sarah Ashley, *University of North Carolina Wilmington*

### **STP.71 Documenting >40 Years of Benefits Derived from Nature-Based Wetland Creation Projects**

Jacob Berkowitz, *U.S. Army Engineer Research and Development Center*

# Poster Presentations

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**STP.72 Created Wetlands for the Reduction of Organic Loading, a Case Study at Myrtle Grove, LA**

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*

**STP.74 Development and Deployment of a Long-Term Benthic Oxygen Flux System**

Jeff Coogan, *Woods Hole Oceanographic Institution*

**STP.75 The Adaptation of the Ecodisk to Maximize Wave Attenuation & Ecological Benefits**

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*

**STP.77 Using a UAV to Monitor Short-term Geomorphological Changes on Crab Bank, a Restored Shorebird Nesting Sanctuary in the Charleston Harbor Estuary**

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-Martin, *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)*

**STP.82 Ida's Lasting Impact: The Barataria Preserve's Immobilized Salinity**

Aaron Gondran, *National Park Service*

**STP.83 Effects of Drought, Pulsed Freshwater Inflows and Nutrients Imported from the Gulf of Mexico on Primary Production and Water Quality in the Mission-Aransas Estuary**

Edward Buskey, *University of Texas Marine Science Institute*

**STP.84 Ribbed Mussels Enhance Pelagic-To-Benthic Transports of Marine-Derived Nitrogen through Faunal Engineering**

Sydney Williams, *University of Florida*

**STP.85 Developing Techniques for Long Term Chlorophyll a Monitoring in Estuarine Systems**

Emalee Swisshelm, *University of New Orleans*

**STP.86 Do Prescribed Burns Yield Enhanced Carbon Storage in Salt Marshes? A Comparative Assessment in Delaware Salt Marshes with Varied Burn Histories**

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

**STP.87 Air-Water Gas Exchange Over Temperate Seagrass Meadows**

Kayleigh Granville, *University of Virginia*

**STP.89 Louisiana Coastwide Avian Restoration, Monitoring and Adaptive Management**

Jon Wiebe, *Louisiana Department of Wildlife and Fisheries*

**STP.90 Mitigating the Effects of a Large River Diversion on Bottlenose Dolphins (*Tursiops Truncatus*) using Ridge Restoration: Barataria Basin, Louisiana, USA**

Denise Reed, *University of New Orleans*



# Poster Presentations

**STP.91 Implementation and Preliminary Monitoring of the Truro-Onslow Dyke Realignment and Tidal Wetland Restoration Project.**

Jennie Graham, *CBWES Inc.*

**STP.92 Understanding the Effects of Managed Realignment on Ecosystem Recovery and Nature-Based Climate Adaptation Functions of Tidal Wetlands in the Bay of Fundy, Canada**

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

**STP.93 Understanding Parameters for Site Characterization and their Influence on Restoration Trajectory in Tidal Marshes in Nova Scotia, Canada**

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

**STP.94 Making Room for Wetlands: Implementation of Managed Realignment & Salt Marsh Restoration to Enhance Resilience of Dykeland Communities to Climate Change in the Bay of Fundy, Canada**

Tony Bowron, *CBWES Inc.*

**STP.95 Building Elevation in Mangrove Communities: Use of Regional Sediment Management to Increase Coastal Wetland Resilience to Sea Level Rise.**

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

**STP.96 Foundational Dune Grass Growth Is Enhanced by Atlantic Ghost Crabs (*Ocypode Quadrata*)**

Joseph Morton, *University of Florida*

**STP.97 Storm Influence on Soil Properties of a Saltmarsh in Barataria Basin, LA**

Matthew Parker, *Louisiana State University*

**STP.98 Belle Isle Marsh: Assessing the Climate Vulnerability Potential Adaptation of Boston's Largest Salt Marsh**

Grace Medley, *Woods Hole Group*

**STP.99 Design of Marsh Rim Buffer at Black Bay in St. Bernard Parish**

Matt Salmon, *Freese and Nichols*

**STP.100 Poplar Island and Sabine National Wildlife Refuge as Case Studies for Marsh Restoration Trajectories**

Safra Altman, *USACE Engineer Research and Development Center*

**STP.101 Phragmites Australis (Common Reed) Fitness and Morphology Along a Salinity Gradient in a Long Term Restoration Project**

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

**STP.102 Evaluation of Louisiana Ecotypes of Saltgrass for Selection and Use in Salt Marshes of the Coastal Zone of Louisiana**

Garret Thomassie, *USDA - Natural Resources Conservation Service*

**STP.103 Restoring Louisiana Coastal Marsh Habitat through Sustainable Sediment Beneficial Use Practices**

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

**STP.104 Coastal Plain Stream, Floodplain and Wetland Restoration Using Wood Structures Harvested from the Project Site**

Joe Berg, *Biohabitats*

**STP.105 Examining the impacts of coastal development and mangrove coverage on oyster abundances in Mosquito Lagoon, FL**

Emily Suchonic, *University of Central Florida*

**STP.106 Piloting Seagrass Restoration in Mosquito Lagoon, FL**

Gabriel Benson, *University of Central Florida*

**STP.107 Unravelling Feedbacks Preventing Seagrass Colonization**

Beatriz Marin-Diaz, *University of Florida*

**STP.108 Harnessing Natural Succession to Enhance Coastal Dune Restoration**

Hallie Fischman, *University of Florida*

**STP.109 Comparing Spotted Gar Reproductive Potential and Body Condition in Connected and Disconnected Floodplains**

Emily Ott, *Nicholls State University*

# Poster Presentations

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**STP.110 Assessing Landscape Resistance at a Gulf Coast Essential Fish Habitat Restoration Site**

Casey Craig, *Florida Fish and Wildlife Conservation Commission*

**STP.111 Restoring the New Jersey Meadowlands - Understanding the Role of Sawmill Creek's Tidal Wetlands in Minimizing Climate Change Vulnerability**

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*

**STP.113 The Impacts of pH Manipulation on Pre-Settlement Oyster Larvae in a Hatchery Setting**

Leslie Townsell, *University of Georgia*

**STP.114 Use of Enhancement Structures to Restore Oysters and Increase Biodiversity in the Lower Hudson River**

Allison Fitzgerald, *New Jersey City University*

**STP.115 Experimental Olympia Oyster Restoration in the Salish Sea; South Puget Sound**

Jeff Barney, *Pierce County Floodplain and Watershed Services*

**STP.116 Developing a Coastwide Habitat Suitability Index to Guide Oyster Restoration Planning in Coastal Louisiana**

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*

**STP.121 Effect of Sea-Level Rise Induced Salinity and Inundation Regimes on Mature Bald Cypress (*Taxodium Distichum*) Stands of Southeast Louisiana**

Blair Miller, *University of Louisiana at Lafayette*

**STP.122 Proactive Landscape Coastal Habitat Protection in Alaska**

Michael Daigneault, *U.S. Fish and Wildlife Service*

**STP.123 Thermal Tolerance Variation in Young-Of-The-Year Winter Flounder Across the Southern New England Region**

Geresa-Leigh Luke, *Stonybrook University*

**STP.124 Comparison of Finfish and Crustacean Assemblages Among Established Marsh Terraces, New Marsh Terraces and Open Water in a Restored Brackish Marsh**

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*

**STP.127 Sustainable Ecological Enhancement of Port Infrastructure: Port of San Diego**

Heather Weitzner, *EConcrete*

**STP.128 Mapping Habitat Suitability for Culturally Significant Plants in the South Slough Watershed in Oregon**

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

**STP.129 City of Charleston, SC Church Creek Stormwater Basin Study: Restoration of Tidal Flow and Flood Mitigation**

Robert Horner, *Weston & Sampson*

# Poster Presentations

## **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*

## **STP.133** Dynamic Living Shorelines: An Innovative Union of Shoreline Protection and Habitat Enhancement

Joshua Hansen, *Underwood & Associates*

## **STP.134** True Restoration: Regenerative Stream Channel (RSC) As An Integrated Approach To Restore River-Wetland Corridors To Pre-Civilization Times.

Chris Becraft, *Underwood & Associates*

*Photo Credit: Guadalupe-Blanco River Trust*





# Program Presenter Index

## A

Marriah Abellera .....	43
Susan Adamowicz .....	39
Matt Aeberhard .....	25
Zaid Al-Attabi .....	25
Jahson Alemu .....	38
Shelley Alexander .....	42
Becky Allee .....	38
Valerie Alley .....	37
Safra Altman .....	58
James Ammerman .....	28
Corey Anderson .....	37, 43
Nick Angarone .....	44
Dave Anning .....	29
Tom Ardito .....	27
Karrie Arnold .....	43
Sarah Ashley .....	56
Dean Audet .....	27
Leila Avery .....	59
KJ Ayres .....	41

## B

Darrah Bach .....	42, 43
Christopher Baillie .....	36
Vidya Balasubramanyam .....	30, 31
Donna Ball .....	26, 36
Sarah Ballard .....	39
Jen Ballinger .....	25
Thomas Balsley .....	40
Katie Baltzer .....	37
Luciana Banquero .....	60
Sarah Barmeyer .....	31
Jeff Barney .....	44, 53, 59
Robert M. Baron .....	27
Susan Bates .....	54
Shannon Batte .....	53
Melissa M. Baustian .....	35, 45
Jeff Beal .....	41
Taylor Beck .....	56
Chris Becraft .....	35, 60
Lisa Beers .....	35
Robert Belibrov .....	59
Annie Bennet .....	29
Gabriel Benson .....	58
Joe Berg .....	26, 58
Liz Berg .....	46
Brett Berkley .....	32
Jacob Berkowitz .....	56

Joseph Berlin .....	44
Patrick Biber .....	32
Jill Bieri .....	26
Anne Birch .....	31, 36
Philip Blackmar .....	42
Laura Blackmore .....	27
Devon Blair .....	53
Eldon Blancher .....	37
Chris Blankenship .....	45
Seth Blitch .....	31
Charlotte Boesch .....	42
Keren Bolter .....	38
Suzie Boltz .....	41
Megan Born .....	32
Tyler Bosworth .....	44
Courtney Bouchard .....	57
Carolina Bourque .....	39
Janet Bowman .....	31
Tony Bowron .....	58
Ryan Bradley .....	31
Alessandra Braswell .....	36
Amy Bredes .....	28
Joseph Brennan .....	29
Cas Bridge .....	29
Daniel Brinn .....	36
Derek Brockbank .....	29, 31, 44, 46
Mandy Bromilow .....	43
Sandra Brooke .....	31
Laura Brophy .....	46
Brendan Brown .....	30
Stu Brown .....	25
Sharon Bruce .....	31
Jonathan Brucker .....	26
Mitch Buck .....	39
Lea Anne Burke .....	25
Edward Buskey .....	57

## C

Elliott Campbell .....	26
Thomas Cancienne .....	56
Katherine Canfield .....	32, 40
Deanna Caracciolo .....	44
Lynette Cardoch .....	32
Melissa Carle .....	45
Brooke Carney .....	35
Brady Carter .....	31, 35
Jeffrey Carter .....	30
Staff of Senator Bill Cassidy (invited) .....	38
Lajan Cephas .....	37
Sara Cernadas-Martin .....	57

Angela Chalk .....	29
Rachel Chambers .....	32
Brandon Champagne .....	59
Erin Chandler .....	41
Seth Chapman .....	57
Jessica Chappell .....	30
Melissa Charbonneau .....	39
Matthew Charette .....	40
Matt Chasse .....	27, 30
Casey Chatelain .....	32
Linden Cheek .....	54
Bryant Chesney .....	29
Ebony Chilin .....	59
Gail Chmura .....	44
Laura Cholodenko .....	40
Peter Clark .....	26
Lora Clarke .....	32
Emma Clarkson .....	59
Jessica Coakley .....	35
Ashley Cobb .....	25
Courtney Cochran .....	55
Tasso Cocoves .....	54
Susan Cohen .....	55
Jeff Collier .....	45
Bob Collins .....	30
Brittany Collins .....	53
Chris Collins .....	28
Jessica Converse .....	55
Jeff Coogan .....	57
Kimberly Cooke .....	36
Brian Cosgrove .....	28
Paul Cough .....	35
Michelle Covi .....	45
Stefanie Covino .....	40
Audrey Coyne .....	46
Casey Craig .....	59
Vance Crain .....	37
Hannah Crawford .....	54
Stephen Creighton .....	42
Mark Custalow .....	37

## D

Laura D'Acunto .....	25
Melissa Daigle .....	25
Michael Daigneault .....	59
Chris Dalbom .....	29
Christopher Dalbom .....	46
Co-Chairman Donald Dardar .....	35
Elder Theresa Dardar .....	35
Carlie Dario .....	54



# Program Presenter Index

Theresa Davenport .....	36
Braxton Davis .....	31
Korrin Davis .....	54
Mariah Davis .....	26
Kate Dawson .....	55
Katie Day .....	32
Jessica Dell .....	54
Kristin DeMarco .....	43
Pam DiBona .....	27
Danielle DiLullo .....	36
Michael Doall .....	25
Jim Dobberstine .....	30
Emma Dodsworth .....	56
Chris Doley .....	42
Melinda Donnelly .....	40
Terry Doss .....	59
Marissa Dotson .....	30, 43
Sadie Drescher .....	43

## E

Lauren Eagon .....	59
Mallory Eastland .....	32
Kirsten Ellis .....	56
Laura Erban .....	32
Eric Erckl .....	25
Deanna Erickson .....	25, 35
Olivia Escandell .....	40
John Ettinger .....	31
Devon Eulie .....	41
Christy Everett .....	40

## F

Anna Fagan .....	27
Timothy Feather .....	36
Rachel Felver .....	26, 32
Ryan Fikes .....	46
Hallie Fischman .....	58
Allison Fitzgerald .....	39, 59
Sara Flaherty .....	25
Erin Fleckenstein .....	44
Alyson Flynn .....	36
Christina Folger .....	55
Andrew Forbes .....	32
Patrick Forbes .....	27
Tom Ford .....	29
Madeline Foster-Martinez .....	25
Aubrie Fowler .....	30
Rachael Franks Taylor .....	29
John Frey .....	42, 55

Diana Fu .....	30
Katlyn Fuentes .....	53

## G

John Barry Gallagher .....	44
Joan Garland .....	32
Megan Geesin .....	41
Doug George .....	30
Carolyn Geraghty .....	29
Laura Geselbracht .....	37
Indrani Ghosh .....	43
Jeffrey Giering .....	27
Franco Gigliotti .....	31
Ryan Gilbert .....	56
Emma Gildesgame .....	32
Rachel Gittman .....	41
Shane Godshall .....	56
Meg Goecker .....	31
Aaron Gondran .....	57
Patrick Gordon .....	27
Joelle Gore .....	42
Julia Goss .....	35
Danielle Gourley .....	36
Jennie Graham .....	58
Jessica Graham .....	31
Livia Graham .....	32
Dan Grandal .....	38
Kayleigh Granville .....	57
Staff of US Representative Garrett Graves (Invited) .....	38
Ayesha Gray .....	25
Leonard Greco .....	40
Bari Greenfeld .....	40
Dianne Greenfield .....	40
Duncan Greer .....	26
Letitia Grenier .....	26
Kati Grigsby .....	35
Maria Grima .....	43

## H

Erin Hague .....	27, 41
Kevin Hanegan .....	37
Rebecca Haney .....	36
Marian Hanisko .....	55
Joshua Hansen .....	60
Janine Harris .....	28, 42
Katherine Harris .....	53
Mitch Hartley .....	37
Becca Hatchell .....	25
Daniel Hayden .....	28, 38

Savanna Hearne .....	37
Blake Helm .....	29
Jason Hermann .....	31
Lucas Hernandez .....	42
David Hewitt .....	35
Chris Hilke .....	35
Kathy Hill .....	27
Eva Hillmann .....	31
Jessica Hinojosa .....	28
Christina Hoenow .....	45
James Holmquist .....	39
Patricia Hopp .....	53
Robert Horner .....	59
Elizabeth Hornstein .....	46
Savannah Horton .....	55
Thomas Howes .....	25
Kristiane Huber .....	44
Henry Hunt .....	57

## I

Nicole Iadevaia .....	54, 57
Dianne Ingram .....	37
Rich Innes .....	38

## J

Cameron Jaggard .....	39
Jessi James .....	53
Krista Jankowski .....	25
Roman Jesien .....	27
Anna Johnson .....	36, 42
Michael R. Johnson .....	36
Chandler Joiner .....	30
Beaux Jones .....	29
Alicia Juang .....	32

## K

Katie Kahl .....	37
Amanda Kahn .....	27
Shasta Kamara .....	59
Devyani Kar .....	42
Christopher Kelly .....	57
Maddie Kennedy .....	39
Laura Kerr .....	41
Syed Khalil .....	45
Shah Khan .....	38
Sarah Kidd .....	28
Gene Kim .....	37, 40
Jeffrey King .....	41

# Program Presenter Index

Sammy King .....	41
Erin Kinney .....	37
Paul Kirshen .....	38
Erin Kiskaddon .....	45
Phyllis Klarmann .....	27
Corryn Knapp .....	26
Lianne Koczur .....	41
Madeline Kolleger .....	31
Katie Konchar .....	45
Amy Kopale .....	41
Aaron Kornbluth .....	44
Sarah Koser .....	36
Megan Kramer .....	56
Ken Kriese .....	37, 40
Jason Kudulis .....	42

## L

Keith Laakkonen .....	27
Andrew Lacatell .....	38
Letise LaFeir .....	35
Tara Lambeth .....	29
Michael Lane .....	55
Robert Lane .....	57
Tiffany Lane .....	56
Paige Lansky .....	32
Megan La Peyre .....	31, 39
Andrew Larkin .....	35, 38
Marilyn Latta .....	32
Josh Laufer .....	28
Stephen Lecco .....	30
James Lee .....	26
Alicia Lehrer .....	40
Haille Leija .....	42
Adriana Leiva .....	41
Lauren Leonpacher .....	36
Jeffrey Lerner .....	38
David Lewis .....	25
Kathleen Leyden .....	31
Jessica Lillquist .....	38
Carter Lin .....	59
Peter Linderoth .....	28, 42
Mark Lindley .....	39
Heather Lockwood .....	38
Lucy Lockwood .....	38
Curtis Loeb .....	28
Katherine Loesser .....	59
Natalie Lord .....	26
Zulimar Lucena .....	46, 54
Julie Luecke .....	42, 53
Geresa-Leigh Luke .....	59

Bowdoin Lusk .....	44
--------------------	----

## M

Mariah MacKenzie .....	53
Lawrence Malizzi .....	31
Tehani Malterre .....	25, 59
Heather Mannix .....	45
Murray Manson .....	30
Laura Manuel .....	43
Allie Margulies .....	42
Beatriz Marin-Diaz .....	58
Brian Marsh .....	37
Nadia Martin .....	45
Rosario Martinez .....	25
Jack Matthias .....	31
Jenna May .....	55
Philip McAdoo .....	28
Matthew McCarthy .....	37
Krista McCracken .....	40
Danielle McCulloch .....	28, 37
Erin McDevitt .....	37
Justin McDonald .....	45
Sarah McEwen .....	27
Claire McGlinchey .....	30
Andrew McGowan .....	42
Jared McKee .....	28
Mary-Margaret McKinney .....	36
James McKown .....	42
Michael McMahan .....	45
Elizabeth McNamee .....	46
Kate McPherson .....	38
Andrew McQueen .....	58
Kara Meckley .....	43
Grace Medley .....	58
Maria Merrill .....	40
Ehab Meselhe .....	43
Nichole Michel .....	43
Taber Midgley .....	43
Blair Miller .....	59
Christopher Miller .....	37, 40, 56
Corey Miller .....	45
Tancred Miller .....	32
Todd Miller .....	44
Vanessa Mintzer .....	32
Arielle Mion .....	36, 42
Julie Mitchell .....	37
Leigh Mitchell .....	37
Capt. Al Modjeski .....	36, 41, 56
Christina Mohrman .....	26
Mike Molnar .....	46

John Montgomery .....	29
Chris Moore .....	38
Damon Moore .....	30
Tiara Moore .....	30
Jordan Mora .....	38
Sarah Morgan .....	54
Jennifer Morrow .....	40
Joseph Morton .....	58
Ryan Moyer .....	28, 37
James Muller .....	40
Bob Murphy .....	27, 40
Jessie Murray .....	36

## N

Amy Newbold .....	31
Ray Newby .....	44
Kailey Nichols .....	58
Michael Norberg .....	55

## O

David O'Brien .....	36
James O'Donnell .....	28
Danielle Ogurcak .....	37
Karin Olsen .....	36
Jessie Olson .....	26, 44
Victoria O'Neill .....	28
Ryan Orndorff .....	32
Wade Osborne .....	28
Aisling O'Shea .....	29
Sharon Osowski Morgan .....	36
Emily Ott .....	58
Chris Overcash .....	41

## P

Niki Pace .....	30
Gina Paduano Ralph .....	58
Melissa Paly .....	32
Chief Devon Parfait .....	35
Justin Park .....	32
Susan Park .....	39
Matthew Parker .....	58
Suzanne Paton .....	37
Britt Paul .....	37, 40
Richard Peel .....	39
Nicole Pehl .....	54
Sabrina Pereira .....	36
Jimena Perez-Viscasillas .....	30
Henry Perkins .....	29

# Program Presenter Index

Cameron Perry .....	25, 37
Danielle Perry .....	26
Scott Peyton .....	29
Odessa Phillip .....	32
Elder Rosina Phillippe .....	29
Lisa Phipps .....	35
Bryan Piazza .....	39
Brett Pickett .....	36
Eric Plage .....	30
Erin Plitsch .....	37
Bruce Pohlott .....	39
Michael Polito .....	43
Mariko Polk .....	41
Jennifer Pollack .....	31
Jonathan Porterhouse .....	31
David Portilla .....	40
Amanda Poskaitis .....	55
Matt Posner .....	31
Margherita Pryor .....	27
Michael Pursley .....	31

## Q

Queen Quet .....	32, 38
------------------	--------

## R

Sarah Ramsden .....	43
Kristin Raub .....	28
Melody Ray-Culp .....	36
Richard Raynie .....	45
Ann Redmond .....	40
Amy Reed .....	44
Denise Reed .....	43, 57
Julie Reichert-Nguyen .....	32
Laurel Reichold .....	46
Andrew Reicks .....	41
Adam Reilly .....	28
David Revell .....	26
Laura Reynolds .....	39
Todd Reynolds .....	39
Alizia Rhodes .....	58
Jacqueline Richard .....	39
Joe Rieger .....	26, 38, 40
Thomas Ries .....	41
Kaity Ripple .....	37
Jessie Ritter .....	29
Nikki Roach .....	55
Eric Roberts .....	26
Adrian Robins .....	41
William Rodney .....	56

Brad Rogers .....	32
Erin Rooney .....	37
Ian Rossiter .....	40
Rebecca Roth .....	25
Ella Rothermel .....	28
Tracy Rouleau .....	29
Zack Royle .....	42
Melody Rudenko .....	29
Lucia Ruggiero .....	38, 40
Ashley Russell .....	25
Elizabeth Ruther .....	44

## S

Paul Sacks .....	60
Tess Sailor-Tynes .....	40
Elizabeth Salewski .....	27
Victoria Salgado .....	46, 55
Matt Salmon .....	58
Lydia Salus .....	43
Kelly Samek .....	25, 30
Tina Sanchez .....	45
Mathew Sanders .....	40
Rachelle Sanderson .....	29, 43
Christine Santora .....	35
Caity Savoia .....	40
Kate Schaefer .....	32
Sarah Schaefer-Brown .....	46
Hollie Schmidt .....	41
Jamie Schubert .....	31, 35
Julie Schumacher .....	35, 42
Courtney Schupp .....	45
Elsa Schwartz .....	26
Elizabeth Scott .....	27
Steven Scyphers .....	41
Rodrigo Sedeno .....	27, 55
Lindsay Seely .....	54
Carrie Selberg Robinson .....	35, 38, 42
Nancy Seligson .....	28
Lauren Senkyr .....	55
Kwame Sha .....	38
Kaitlyn Shaw .....	36
Lindsey Sheehan .....	26
Ben Sheelk .....	39
Christine Shepard .....	31
Katherine Sheppard .....	29
Kate Sherren .....	30
Edward Sherwood .....	30
Jenny Shinn .....	28
Elder Chief Shirell .....	35
Michael Shirley .....	39

Darlene Siegel .....	28
Michael Simmons .....	54
Mindy Simmons .....	38
Glenda Simmons-Jenkins .....	38, 54
Jessica Simms .....	44
Guillermo Simon .....	38
Suzanne Simon .....	29, 35
Stefanie Simpson .....	26
Fred Sklar .....	27
John Slupecki .....	56
Hayden Smith .....	44
Janeiro (J.J.) Smith .....	37, 40
Joseph Smith .....	37
Kent Smith .....	37
Lisa Smith .....	37
Lydia Smith Vaughn .....	28, 35
Barbara Ann Smolko .....	26
Caitlin Snyder .....	30
Phaeng Southisombath .....	27
Eric Sparks .....	41, 43
Jackie Specht .....	29, 42, 45
Ashlyn Spector .....	45
Beth Stauffer .....	39
Lorie Staver .....	44, 53
Susan-Marie Stedman .....	29, 55
Candace Stenzel .....	53
Hilary Stevens .....	45
Isabelle Stinnette .....	29
Dave Storment .....	54
Mukesh Subedee .....	43
Emily Suchonic .....	58
Cayla Sullivan .....	28
Gary Sundin .....	57
Angela Sunley .....	35, 44
Kevin Swain .....	54
Roberta Swann .....	27, 45
Katie Swanson .....	30
Rachel Sweeney .....	31
Brenna Sweetman .....	28, 53
Emalee Swisshelm .....	57

## T

Toni Rose Tablante .....	30
Robina Taliaferrow .....	44
Greg Taylor .....	37, 40
Nichelle Taylor .....	29
Lenore Tedesco .....	41, 46
Mark Tedesco .....	27, 36
Jon Thaxton .....	55
Garret Thomassie .....	58

# Program Presenter Index

---

Jody Thompson .....	54
Alex Thomsen .....	26
Anitra Thorhaug .....	44
Phillip Todd .....	30, 42, 57
Jodie Toft .....	25
Captain William Toney .....	39
Jason Totoiu .....	40
Leslie Townsell .....	59
Tam Tran .....	45
Sylvia Troost .....	35
Maya Trotz .....	40
Georgette Tso .....	41
Jace Tunnell .....	25, 27, 46
James Turek .....	31
Bree Turner .....	27
Tiffany Turner .....	26

## U

Brian Underwood .....	31
Myrah Urquidez .....	56

## V

Luisa Valiela .....	26
David Vallee .....	28
Kelly Van Baalen .....	54
Chloe Van Grootheest .....	55
Ashley Van Wieren .....	56
Stephanie Verhulst .....	27

## W

Graham Wagner .....	56
Julie Walker .....	40
Linda Walters .....	40
Chris Warn .....	45
Katie Warnell .....	26
Jonathan Watson .....	36
Jessy Wayles .....	40
Tracy Weatherall .....	53
Jennifer Webster .....	53
Eric Weissberger .....	39, 43
Heather Weitzner .....	59
Lauren Wenzel .....	35, 38
Joe Whalen .....	26
Julie Whitbeck .....	57
Eric White .....	25
Quinn Whitesall .....	32
Paula Whitfield .....	41
Jon Wiebe .....	41, 57
Cindy Wilems .....	32
Kathleen Williams .....	46
Kayla Williams .....	58
Lauren Williams .....	26
Sydney Williams .....	57
Billy Williamson .....	27
Alisa Wilson .....	37
Bartholomew Wilson .....	36, 41
Stella Wilson .....	37
Eva Windhoffer .....	41
Kawika Winter .....	25, 30

Jaxine Wolfe .....	39, 45
Kacie Wright .....	36, 55
Jacqueline Wu .....	54

## X

Z. George Xue .....	29
---------------------	----

## Y

Briana Yancy .....	28, 37, 46
Amy Yarnall .....	60
Alexia Yau .....	40
Alice Yeates .....	25
Lee Yokel .....	32
Caitlin Young .....	43

## Z

Michal Zahorik .....	42
Jennifer Zhu .....	53
Melvin Zimmerman .....	37
Ian Zink .....	43
Adrianna Zito-Livingston .....	28, 37, 41







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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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