



Concurrent Sessions

Concurrent Session 1: Monday, December 12, 11:00 AM – 12:30 PM

Six Years Later - Gulf Restoration in a Post-Deepwater Horizon World

St. Charles Ballroom

11:00 AM - 12:30 PM

Moderator: Debbie DeVore, US Fish and Wildlife Service

Panelists:

Kevin Reynolds, US Fish and Wildlife Service
Buck Sutter, Gulf Coast Ecosystem Restoration Council
Tanner Johnson, NFWF Gulf Environmental Benefit Fund
Chris Barnes, Office of the Governor, State of Louisiana
David Muth, National Wildlife Federation

Living Shorelines: Overview and Living Shorelines: Overview and Introduction

St. James Ballroom

11:00 AM - 12:30 PM

Living Shorelines - What has Transpired - A 2016 Update
Thomas Ries, Scheda Ecological Associates, Inc.

Samish Indian Nation-Weaverling Spit Beach Restoration Projects-Living Shorelines at Work
Todd Woodard, Samish Indian Nation-Natural Resources Dept.

Sustainability of Living Shorelines in a World of Rising Sea Level and Increasing Wave Energy
Carolyn Currin, NOAA NOS

Second Generation Living Shoreline Approaches Utilized in Maryland's South River
Kirk Mantay, South River Federation

St. John's College Demonstration Project 10 Years Later – A Success? Restoration Project Leading to
Statewide Policy Will Be Reevaluated
Rob Schnabel, Chesapeake Bay Foundation

Working Draft

Changes will occur as we finalize details – please check the final program

Importance of Coastal Habitats to Harvested Fishes

Magazine Room

11:00 AM - 12:30 PM

Moderator: Thomas Bigford, American Fisheries Society/The Coastal Society

The Role of Regional Fisheries Organizations in Conserving Coastal Habitat
Doug Gregory, Gulf of Mexico Fishery Management Council

New Partnerships to Benefit Fish Habitat
Kim Ogonosky, Building Conservation Trust

Water as the Major Ecosystem Driver in Estuarine Health and Productivity
Denise Reed, The Water Institute of the Gulf

A History of Regional Success on Conserving Fish Habitat
Jessica Graham, Southeast Aquatic Resources Partnership

The Piscine Geography of Coastal and Estuarine Habitats
Don Davis, Louisiana Sea Grant Program

East-Central Florida Estuarine Restoration Team (ECERT): Decoding the Indian River Lagoon, a National Treasure

Parish Room

11:00 AM - 12:30 PM

Moderator: Gian Basili, US Fish and Wildlife Service

Indian River Lagoon: Perfect Storm or New Norm
Charles Jacoby, St. Johns River Water Management District

Development of a Seagrass Nursery for Restoration of Seagrass in the Indian River Lagoon
M. Dennis Hanisak, Harbor Branch Oceanographic Institute at Florida Atlantic University

Community-based Oyster Restoration and Monitoring in the Indian River Lagoon, Florida
Sammy Anderson, Brevard Zoo

Black and Blue: Informing Estuarine Restoration Performance Measures Using Assessments of Offshore Coral Communities
Jeffrey Beal, Florida Fish and Wildlife Conservation Commission

East Central Florida Estuarine Restoration Team (ECERT) and the Indian River Lagoon NEP: Coordinating and Integrating Multiple Partners for Enhanced IRL Ecosystem Restoration and Management
Duane De Freese, IRL Council & Indian River Lagoon National Estuary Program

Working Draft

Changes will occur as we finalize details – please check the final program

Critical Aspects of Water Quality and Quantity Jackson Room 11:00 AM - 12:30 PM

Coastal Watershed Planning – Analyzing Bacterial Loads in a Rural Watershed for BMP Implementation
Stephanie Glenn, HARC

Hypoxia in a Hypersaline, Lagoonal South Texas Estuary (Baffin Bay): Timescales and Causes
Michael Wetz, Texas A&M University-Corpus Christi

Development of Freshwater Inflow Diversion Estimates for Hydrologic Restoration of the Naples Bay and Rookery Bay Watersheds, Southwest Florida
David Tomasko, Environmental Science Associates

National Parks, Seashores, and Lakeshores: How Animal Agriculture is Affecting America's Best Idea
Emily Jones, National Parks Conservation Association

Dissolved Oxygen and Water Density Modeling of the Choctawhatchee Bay: Results, Climatic Influences and Future Implications
Brandy Foley, Choctawhatchee Basin Alliance

Sea level rise, marsh migration, and coastal land conversion Royal Room 11:00 AM - 12:30 PM Moderator: Keryn Gedan, George Washington University

Upland Land Use Effects on Tidal Marsh Migration in the Chesapeake Bay
Keryn Gedan, George Washington University

Sea Level-driven Marsh Expansion in a Coupled Model of Marsh Erosion and Migration
David Walters, Virginia Institute of Marine Science

Impacts of Phragmites on Tree Growth and Survival
Alison Cawood, Smithsonian Environmental Research Center

The Effects of Sea-level Rise and Saltwater Intrusion on Wetland Nutrient Transport in the Atlantic Coastal Plain
Kate Tully, University of Maryland

Ecological and Social Impediments to Marsh Migration in Long Island Sound
Christopher R. Field, University of Connecticut

Working Draft

Changes will occur as we finalize details – please check the final program

Politics, partnerships, and parcel taxes: Securing regional funding for wetland restoration

Camp Room

11:00 AM - 12:30 PM

Moderator: David Lewis

Panelists:

Amy Hutzell, California Coastal Conservancy
Dave Pine, San Francisco Bay Restoration Authority
Mike Mielke, Silicon Valley Leadership Group
Adrian Covert, Bay Area Council

Management and Use of Offshore Sand Resources for Louisiana Barrier Island Restoration

Canal Room

11:00 AM - 12:30 PM

Moderator: Bridgette Duplantis, Bureau of Ocean Energy Management

Gulf of Mexico Offshore Sand Resources Inventory for Coastal Restoration
Michael Miner, Bureau of Ocean Energy Management

Evolution of Barrier Island Restoration in Coastal Louisiana
Gregory Grandy, Coastal Engineering Consultants, Inc.

Caminada Headland Beach and Dune Restoration, the First Use of Ship Shoal Sand for Barrier Island Restoration
Brad Miller, Coastal Protection and Restoration Authority (CPRA)

Coastal Zone Management Practices along Muddy Deltaic Environments: Strategies for Development of a Sediment Management Plan
Syed Khalil, Coastal Protection and Restoration Authority of Louisiana

Federal Sand Resources – Marine Minerals Geospatial and Information System "A National OCS Sand / Sediment Inventory"
Lora Turner, Bureau of Ocean Energy Management

Blue Carbon Approaches and Opportunities

Commerce Room

11:00 AM - 12:30 PM

Moderator: Pat Montanio, NOAA

Blue Carbon Pathways for Coastal Conservation, Climate Action and Resilient Communities
Steven Lutz, GRID-Arendal

Working in Partnerships to Explore the Potential of Coastal Blue Carbon Habitats to Enhance Coastal Conservation
Janine Harris, NOAA (ERT Contractor)

Clarifying the Role of Coastal and Marine Systems in Climate Mitigation
Jennifer Howard, Conservation International

Working Draft

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Bringing Coastal Wetlands to United States Inventory of Greenhouse Gas Emissions and Sinks
Steve Crooks, Silvestrum Climate Associates

Blue Carbon Progress and Priorities
Steve Emmett-Mattox, Restore America's Estuaries

Regional Ocean Planning in the Northeast, Mid-Atlantic and West Coast United States

Jefferson Ballroom

11:00 AM - 12:30 PM

Moderator: Kate Morrison, Mid-Atlantic Regional Council on the Ocean (MARCO)

Update on Regional Ocean Planning in the Mid-Atlantic
Kate Morrison, Mid-Atlantic Regional Council on the Ocean (MARCO)

Update on Northeast Regional Ocean Planning
John Weber, Northeast Regional Ocean Council

An update on the West Coast Regional Planning Body
John Hansen, West Coast Regional Planning Body

Shellfish Restoration: Innovative Approaches and Techniques

Fulton Room

11:00 AM - 12:30 PM

NOAA/RAE Barnegat Bay Good Luck Point Oyster Reef Restoration Project – Restoring Ecology, Community, and Connectivity
Capt, Alek Modjeski, American Littoral Society

Use of Reef Balls on Living Shorelines, Best Practices
Jim McFarlane, Reef Ball Foundation / Reef Innovations

Large-Scale Oyster Restoration in Chesapeake Bay: One Down, Nine to Go
Stephanie Westby, National Oceanic and Atmospheric Administration (NOAA)

Building the Largest Oyster Reef in the Country: How Historic Oyster Practices, Technology, and Policy Helped Develop the Capacity for Large-scale Oyster Restoration in Maryland
H. Ward Slacum, Oyster Recovery Partnership

Great Southern Seascapes: Sparking a Revolution in Marine Conservation in Australia
Simon Branigan, The Nature Conservancy

Working Draft

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Concurrent Session 2: Monday, December 12, 2:00 PM – 3:30 PM

National Ocean Policy: Reflecting on the past, success through collaborative implementation, and transitioning into the next administration

Jefferson Ballroom

2:00 PM - 3:30 PM

Moderator: Sarah Winter Whelan, American Littoral Society

Panelists:

Jennifer Felt, Conservation Law Foundation

Jenna Valente, Healthy Oceans Coalition

Pete Stauffer, Surfrider Foundation

Bridging the Gap: Communicating Fishery Management Needs to Habitat

Scientists Part 1

Magazine Room

2:00 PM - 3:30 PM

Moderator: Lauren Latchford, NOAA

Bridging the Gap: Communicating Fishery Management Needs to Habitat Scientists Part I

Lauren Latchford, NOAA NMFS Office of Habitat Conservation

Challenges for Making the Bridge between Ecologists and Decision-Makers a Two-Way Street: One Ecologist's Perspective

Peter Auster, University of Connecticut & Mystic Aquarium

Creation of a Prioritization Scheme to Guide Conservation and Restoration Actions Supporting Fish Habitat Functions in West Coast Estuaries

Lisa DeBruyckere, Pacific Marine and Estuarine Fish Habitat Partnership (PMEP)

Web-enabled Inventory and Map Service of Habitat Mapping and Water Quality Monitoring Programs

Randy Clark, NOAA NCCOS Biogeography Branch

Communicating Coastal Habitat Value to Fishery Production

Bryan DeAngelis, The Nature Conservancy

The Alaska Essential Fish Habitat Research Plan – A Cooperative Success

Jeanne Hanson, NOAA Fisheries

Working Draft

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Northeast Florida Estuarine Restoration Team (NERT): Moving Restoration Forward through Collaboration

Parish Room

2:00 PM - 3:30 PM

Moderator: Anne Roddenberry, Florida Fish and Wildlife Conservation Commission

Northeast Florida Estuary Restoration Team: A Template for Large-Scale Coastal Restoration
Paul Haydt, St. Johns River Water Management District

Restoration of Mosquito Impoundments and Dragline Ditches in Northeast Florida
Kent Smith, Florida Fish and Wildlife Conservation Commission

Oyster Recycling Efforts on Florida's East Coast
Jessy Wayles, Marine Discovery Center

Marsh Madness: Engaging Students and the Public in Estuarine Restoration
Annie Roddenberry, Florida Fish and Wildlife Conservation Commission

Development of Decision-making Tools for the Application of Living Shoreline Restoration at a Regional Scale on The Northeastern Coast of Florida
Melinda Donnelly, University of Central Florida

Shucking Shell to Restore our Shores

Fulton Room

2:00 PM - 3:30 PM

Moderator: Deb Abibou, Coalition to Restore Coastal Louisiana

The Galveston Bay Foundation's Oyster Shell Recycling Program
Haille Carter, Galveston Bay Foundation

Sink Your Shucks: Oyster Shell Recycling, Community Engagement, and Reef Restoration
Jennifer Pollack, Texas A&M University - Corpus Christi

Once You Shuck 'em, Don't Just Chuck 'em: Leveraging New Orleanian's Love of Oysters for Coastal Restoration
Deborah Visco Abibou, Coalition to Restore Coastal Louisiana

A Bad Place to Lose a Shoe and Other Lessons Learned in Oyster Shell Restoration in Tampa Bay
Andy Lykens, Tampa Bay Watch

Billion Oyster Project: Restoration, Education and Collecting Shells in New York City
Peter Malinowski, New York Harbor Foundation

Working Draft

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Developing Freshwater Inflow Management Programs -- The Texas Experience: How Science, Public Policy and Planning Efforts have supported a Diversity of Approaches and Programs

Jackson Room

2:00 PM - 3:30 PM

Moderator: Elizabeth Smith, International Crane Foundation

Early Efforts, and Successes, in Developing and Implementing Freshwater Inflow Management Programs for Two Estuaries on the Central Texas Coast
James Dodson, San Antonio Bay Partnership

Use of Science and Stakeholder Processes to Resolve Intractable Water-Related Issues: The Edwards Aquifer Recovery Implementation Program
Robert Gulley, Director, Economic Development and Endangered Species Management, Texas Com

Resolving Conflicts Over Water for Humans and Nature: The TAP – GBRA Agreement
Todd Votteler, Guadalupe-Blanco River Authority

Policy and Science Framework for FWI Determinations Under Texas SB3
Paul Montagna, Harte Research Institute, Texas A&M University-Corpus Christi

Addressing Research Needs Identified in an Adaptive Management Process to Help Define the Freshwater Inflow Requirements of the Guadalupe-San Antonio and Mission-Aransas Estuaries
Edward Buskey, University of Texas Marine Science Institute

Getting to Scale with Marsh Restoration

Royal Room

2:00 PM - 3:30 PM

Restoring Wetlands in Highly Developed Urban Estuaries, Sharing Lessons Learned from Planning, Permitting, Building, and Maintaining Habitat Restoration Projects in Seattle's Duwamish River Estuary
John Kern, NOAA

Habitat is Where it's At: An Urban Wildlife Conservation Partnership
David Stoughton, U.S. Fish and Wildlife Service

Urban Oases: The Role of National Wildlife Refuges in Achieving Multi-Benefit Restoration of the San Francisco Bay Estuary
Anne Morkill, USFWS San Francisco Bay National Wildlife Refuge Complex

Landscape Scale Conservation and Restoration of the Maurepas Swamp for Multiple Benefits
Honora Buras, Coastal Protection and Restoration Authority

Red Light – Green Light: A Decade After the Start of Restoration, How is the South Bay Salt Pond Restoration Project Moving Forward?
Cheryl Strong, U.S. Fish and Wildlife Service

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Eco Eco Un-day: Dollars, Cents, Coasts and Water

Camp Room

2:00 PM - 3:30 PM

Moderator: Mark Davis, Tulane Institute on Water Resources Law & Policy

Panelists:

Robin Barnes, Greater New Orleans, Inc.

Jeff Hebert, City of New Orleans

Paul Olsen, Old Dominion University

Blue Carbon Markets and Methodologies

Commerce Room

2:00 PM - 3:30 PM

Moderator: Stefanie Simpson, Restore America's Estuaries

Wetland Restoration and Conservation Methodologies within the Verified Carbon Standard – A Comparison of Eligibility, Applicability, and Monitoring Requirements

Shawn McMahan, Environmental Services, Inc.

Blue Carbon Financing for Tidal Wetland Restoration and Conservation: Options and Scientific Developments

Brian Needelman, University of Maryland

Results of the Luling, Louisiana Wetland Carbon Credit Pilot Project

Sarah Mack, Tierra Resources

Assessing Carbon Stocks and Fluxes in the Herring River, a Tidally Restricted Estuary on Cape Cod, Massachusetts

Tim Smith, National Park Service

Herring River Restoration Project – Blue Carbon Feasibility Assessment

Scott Settlemyer, TerraCarbon

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Expert showcasing of innovative state policies and programs that incentivize the use of nature based solutions for erosion, flood risk reduction, and multiple environmental benefits

St. James Ballroom

2:00 PM - 3:30 PM

Moderator: Ana Tinsler, The Nature Conservancy

Expert Showcasing of Innovative State Policies and Programs that Incentivize the Use of Nature Based Solutions for Erosion, Flood Risk Reduction, and Multiple Environmental Benefits

Ana Tinsler, & Alice Tripp, The Nature Conservancy

Massachusetts Coastal Zone Management Overview of Natural Infrastructure Policies and Programs

Julia Knisel, MA Office of Coastal Zone Management

Overview of Washington's Policies and Programs in Place to Promote the Use of Natural Infrastructure for Erosion, Flood Risk Reduction, and Yield Multiple Environmental Benefits

Marc Daily, Washington's Floodplains by Design- Puget Sound Partnership

Overview of New Jersey's Policies and Programs that Promote the Use of natural infrastructure to reduce flood risks, erosion, and yield multiple environmental benefits

Elizabeth Semple, New Jersey Office of Coastal and Land Use Planning

Linking Science and Management in the Gulf of Mexico in the wake of the Deepwater Horizon Oil

St. Charles Ballroom

2:00 PM - 3:30 PM

Moderator: Julien Lartigue, NOAA

Panelists:

Kelly Darnell, The RESTORE Act Center of Excellence for Louisiana

Libby Fetherston, Florida RESTORE Act Centers of Excellence Program

Jonathan Porthouse, National Fish and Wildlife Foundation

Alyssa Dausman, Gulf Coast Ecosystem Restoration Council

Chris Elfring, Gulf Research Program

Living Shorelines in Action

Canal Room

2:00 PM - 3:30 PM

Moderator: Erin Hague, Tetra Tech

Valuing Preferences for Living Shorelines Compared to Hard-engineered Structures in Jamaica Bay New York After Superstorm Sandy

Lou Nadeau, Eastern Research Group, Inc.

The Promotion of Living Shorelines in Delaware through a Dedicated Work Group

Alison Rogerson, Delaware DNREC

The Art and Science of Designing Living Shorelines: A Case Study in Mississippi

Leah Bray, Anchor QEA

Working Draft

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Learning from Your Neighbors: How the South Atlantic is Sharing and Tackling the Challenges of Living Shorelines

Kristine Cherry, Governors' South Atlantic Alliance

Evaluating Living Shorelines to Inform Regulatory Decision-making in South Carolina
Carolina

Sharleen Johnson, SCDNR-MRRI

Concurrent Session 3: Monday, December 12, 4:00 PM – 5:30 PM

Blue carbon and landscape transitions

Commerce Room

4:00 PM - 5:30 PM

Moderator: John Schmerfeld, US Fish and Wildlife Service

A New Paradigm for Tampa Bay Coastal Habitat Restoration in the Face of Sea Level Rise
Doug Robison, Environmental Science Associates

Tampa Bay Blue Carbon Assessment: Quantifying Greenhouse Gas Exchanges in Coastal Wetlands
Lindsey Sheehan, ESA

Carbon Accumulation Rates Across Four Marsh Habitats in Coastal Louisiana
Leland Moss, The Water Institute of the Gulf

Mangrove Population Growth on the Texas Coast: Implications for Blue Carbon Storage and Coastal Wetland Restoration
Anna Armitage, Texas A&M University at Galveston

Quantifying Coastal Blue Carbon Stocks in Vegetation and Soils of Mangroves, Salt Marshes, and Salt Barrens in Tampa Bay, Florida
Ryan Moyer, Florida Fish & Wildlife Conservation Commission

Tools and Approaches for Coastal Adaptation and Resilience

Parish Room

4:00 PM - 5:30 PM

Coastal Resiliency in Action: Examples from 2 Coastal Communities
Lynette Cardoch, HDR

HIGHER GROUND: Leveraging Baltimore's Topography in Response to Increased Risks of Coastal and Riparian Flooding

Katie O'Meara, Maryland Institute College of Art

Planning for Sea Level Rise and Coastal Resilience at Norfolk's Harbor Park
Phoebe Crisman, University of Virginia

Collaborating for Climate Adaptation Planning: A Case Study of the New Hampshire Coastal Adaptation Workgroup (NHCAW)

Catherine Ashcraft, University of New Hampshire

Building Local and Regional Capacity for Community Resilience Coastal in Louisiana

Working Draft

Changes will occur as we finalize details – please check the final program

Traci Birch, Louisiana State University, Coastal Sustainability Studio

The Shellfish - Water Quality Nexus Fulton Room 4:00 PM - 5:30 PM

Nitrogen Mitigation by Oyster Culture Striving to Comply with the Clean Water Act
David Grunden, Town of Oak Bluffs, MA

Oyster Reef Habitat Restoration in St. Andrew Bay, Florida
Katie Konchar, Florida Fish and Wildlife Conservation Commission

Evaluating Nutrient Reduction from Oyster Practices as Potential Biological In-Water Best Management Practices: Decision Framework and Recommendations from the Chesapeake Bay Oyster BMP Expert Panel
Julie Reichert-Nguyen, Oyster Recovery Partnership

Development and Refinement of Freshwater Inflow Standards in Matagorda and Lavaca Bays, Texas, using Oysters and Dermo
Daniel Opdyke, Anchor QEA

Ribbed Mussel Nutrient Bio-Extraction Pilot Project
Robbie Hudson, Save The Bay

Designing Solutions for Clean Water on Cape Cod Jackson Room 4:00 PM - 5:30 PM Moderator: Paul Niedzwiecki, Cape Cod Commission

Engaging Communities Around the Jurisdiction of the Problem
Kristy Senatori, Cape Cod Commission

Watershed Solutions, Monitoring and Data Management
Scott Horsley, Horsley Witten Group

Watershed-Based Scenario Planning
Thomas Parece, AECOM Technical Services, Inc.

Innovative Financing
Andrew Gottlieb, Cape Cod Water Protection Collaborative

Growth Management and Regulatory Reform
Patty Daley, Cape Cod Commission

Working Draft

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Bridging the Gap: Communicating Fishery Management Needs to Habitat Scientists: Part II Magazine Room 4:00 PM - 5:30 PM

Moderator: Tony Marshak, NOAA Fisheries Office of Science and Technology

Alignment of Habitat Science with Fisheries Management in the Mid-Atlantic
Jessica Coakley, Mid-Atlantic Fishery Management Council

Evolution of an Eelgrass Habitat Protection Policy Along a Highly Developed Coastline
Eric Chavez, NOAA Fisheries

Habitat Science and Management Applications in the Gulf of Mexico
Claire Roberts, Gulf of Mexico Fishery Management Council

The Fish Habitat Decision Support Tool: an Example of How Managers and Scientists can Partner to Conserve Fish Habitat in Atlantic Estuaries
Lisa Havel, Atlantic Coastal Fish Habitat Partnership

Bridging the Gap: Communicating Fishery Management Needs to Habitat Scientists (Panel Discussion)
Pat Montanio, NOAA

Engaging Congress in funding efforts to restore and protect coasts and estuaries Canal Room 4:00 PM - 5:30 PM

Moderator: Rich Innes, Association of National Estuary Programs

Panelists:

Ron Anderson, Office of Senator Bill Cassidy
Adena Liebman, Office of Senator Sheldon Whitehouse
Rebecca Roth, National Estuarine Research Reserve Association
Chris Adamo, White House Council on Environmental Quality
Allison Colden, Restore America's Estuaries

How Can Transparency and Accountability Safeguard Gulf Restoration? St. Charles Ballroom 4:00 PM - 5:30 PM

Moderator: Teresa Chan, Environmental Law Institute

Greater than the Sum of the Parts: How Monitoring and Restoration Tracking Support Transparency and Accountability in Gulf Restoration
Kara Lankford, Ocean Conservancy

Tracking and Coordinating Gulf Restoration to Forge a Path Forward
Laura Bowie, Gulf of Mexico Alliance

Building Transparency and Accountability for Gulf Coast Communities
Colette Pichon Battle, Gulf Coast Center for Law & Policy

Evaluating the Estuary Restoration Act and Oyster Reef Projects to Inform Gulf Restoration
Brittany Blomberg, Dauphin Island Sea Lab

Working Draft

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The State of Things: Challenges Facing Gulf Restoration Moving Forward
Kelly Samek, Environmental Law Institute

Embedding Natural Resource Communities into Ocean Planning

Jefferson Ballroom

4:00 PM - 5:30 PM

Moderator: Jennifer McCann, The University of Rhode Island

Panelists:

Nick Battista, Island Institute

Tiffany Smythe, The University of Rhode Island

Rebecca Clark, Island Institute

The Living Shorelines Academy: An Online Resource Promoting the Exchange of Information, Research, Training, Policies and Practices to Promote the Advancement of Living Shorelines

St. James Ballroom

4:00 PM - 5:30 PM

Moderator: Tracy Skrabal, North Carolina Coastal Federation

Presenters:

Tracy Skrabal, North Carolina Coastal Federation

Suzanne Simon, Restore America's Estuaries

Finding the Perfect Balance: The Intersection of Finance, Funding, and Partnerships

Camp Room

4:00 PM - 5:30 PM

Moderator: Tim Feather, CDM Smith

Beyond Grants: Innovative Financial Strategies for Public and Private Financing of Coastal and Estuarine Restoration and Management Projects

Michael Curley, Environmental Law Institute

Restoration of Oakland Bay at the Head of Puget Sound, A New Partnership for Recovery

Jeff Dickison, Squaxin Island Tribe

Fiscal Gumbo – A Great Recipe for Restoration in Tampa Bay

Gary Raulerson, Tampa Bay Estuary Program

Sediment Management and Beneficial Reuse in Coastal Restoration and Management

Royal Room

4:00 PM - 5:30 PM

Coastal Management, Sediment and Science – the Nexus Between Dredging, Mining, Flood Protection and Marsh Restoration

Brenda Goeden, San Francisco Bay Conservation & Development Commission

Working Draft

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Beneficially Using Dredge Material to Rebuild a Salt Marsh along Pepper Creek, Delaware
Andrew Howard, Delaware DNREC

Review of Planning and Construction Tools, Monitoring Protocols and Lessons Learned from Three Decades of Coastal Wetland Restoration Projects
Ram Mohan, Anchor QEA

Restoring Tidal Wetlands Using Dredged Material: 20 Years of Physical and Biological Monitoring
Michelle Orr, Environmental Science Associates

Concurrent Session 4: Tuesday, December 13, 8:30 AM – 10:00 AM

Marsh Restoration: Techniques and Lessons Learned Royal Room 8:30 AM - 10:00 AM

Spreading Seeds on Rising Tides: Seed Dispersal and Vegetation Development in the South Bay Salt Pond Restoration Project
Dylan Chapple, UC Berkeley

The Oro Loma Horizontal Levee Demonstration Project - Scaling Up Native Species Propagation Methods to Accommodate Large Transition Zone/Ecotone Projects of the Future
Jessie Olson, Save the Bay

Advancing Seeding Technologies of Smooth Cordgrass (*Spartina alterniflora*) for Tidal Marsh Restoration
Christopher Miller, USDA-NRCS, Cape May Plant Materials Center

NJ Wetlands Past, Present and Future: Using Sediment Archives to Inform and Guide Wetland Protection, Restoration and Resilience
Mihaela Enache, New Jersey Department of Environmental Protection

Estuarine-Terrestrial Transitional Habitat Creation
David Thomson, San Francisco Bay Bird Observatory - Habitats Program

Storming back 1: Sediment Enrichment, Planning and Assessment Parish Room 8:30 AM - 10:00 AM

Rhode Island South Shore Habitat and Community Resiliency Project
Caitlin Chaffee, Rhode Island Coastal Resources Management Council

Multi-Criteria Decision Analysis Tools for Marsh Elevation Enhancement Projects – A Streamlined Approach to Evaluate Habitat Tradeoffs in the Face of Sea Level Rise
Sam Whitin, EA Engineering, Science, and Technology

Salt Marsh Integrity: From Rapid Assessment to Management Action
Toni Mikula, U.S. Fish and Wildlife Service, Rachel Carson National Wildlife Refuge

Tidal Salt Marsh Restoration at John H. Chafee National Wildlife Refuge, Rhode Island
Jennifer D. White, US Fish and Wildlife Service

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Hurricane Sandy Resiliency Efforts at Seatuck National Wildlife Refuge: Sediment Enrichment Using Old and New Dredged Material to Increase Marsh Platform Elevation
Susan C. Adamowicz, US Fish and Wildlife Service, Rachel Carson National Wildlife Refuge

Understanding eastern oyster reef dynamics for improved restoration and management

Fulton Room

8:30 AM - 10:00 AM

Moderator: Megan LaPeyre, U.S. Geological Survey

Environmental Drivers of Eastern Oyster Population Dynamics in Louisiana: What Can “Bigish” Data Tell Us?

Michael Lowe, School of Renewable Natural Resource, LSU AgCenter

Florida’s Intertidal Oysters: Responding to Sea Level Rise and Harmful Algal Blooms

Linda Walters, University of Central Florida

The Effects of Intertidal Oyster Reef Habitat Characteristics on Faunal Utilization

Marc Hanke, The University of Houston

Oyster Reef Restoration: Rebuilding Stocks and Providing Habitat

Jennifer Beseres Pollack, Texas A&M University-Corpus Christi

Direct Measures of Denitrification Demonstrate High Rates from Both Restored Oyster Reef and Oyster Aquaculture Sites in a New England Coastal Salt Pond

Boze Hancock, The Nature Conservancy

Planning and Designing Resilient Communities

Magazine Room

8:30 AM - 10:00 AM

San Mateo Shore UP – Using Wetlands to Design Resilient Public Infrastructure as Vital Public Space
Johanna Hoffman, Coastal Sustainability Studio, LSU

Ramble On!: Integrating Green Infrastructure in Waterfront Revitalization Plans in Laurel, DE

Ed Lewandowski, University of Delaware/Delaware Sea Grant

Building Resilient Communities One Code at a Time

Julia Noordyk, University of Wisconsin Sea Grant Institute

Southeast Michigan’s Green Infrastructure Vision: Engaging Community Leaders through a Series of Implementation Strategy Workshops

Mary Bohling, Michigan Sea Grant

Restoration of Nitrogen Impaired Coastal Embayments Through Maximization of Natural Attenuation Via Wastewater Planning

Robert Musci, CDM Smith

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Increasing Private Investment in Restoration and Ecosystem Services: Ecosystem Service Providers and the Mitigation Banking Industry as Powerful Allies

Camp Room

8:30 AM - 10:00 AM

Moderator: Pamela Fetterman, EcoGENESIS, LLC

How Impact Investment from Foundations and High Net Worth Individuals is Being Used to Finance Restoration Actions
Ben Guillon, WRA, Inc.

Scaling Up Restoration Funding Through Institutional Investing to Meet the Demands of the 21st Century
David Tepper, Forest Trends and The Earth Partners, LP

Using Private Investment to Restore Coastal Plain Stream/Wetland Ecosystems
Adam McIntyre, Water & Land Solutions (WLS), LLC

Private Sector Restoration, Project Examples and Successful Outcomes
Brett Berkley, GreenVest, LLC

Encouraging Private Investment in Restoration Through Scientifically Verifiable Performance Results
Don Ross, National Mitigation Banking Association (NMBA) and EarthBalance, Inc.

Communication and Outreach 101: What You Need to Know

Canal Room

8:30 AM - 10:00 AM

Make Social Media Work for You
Caitlyn McCrary, TBG @ NOAA

Methods for Engaging Educators to Teach About the Estuary System in the Classroom
Rani Henderson, Galveston Bay Foundation

Utilizing Citizen Science Water Monitoring as a Platform for Measurable Change
Sarah Gossett, Galveston Bay Foundation

Social Marketing Demystified- Quick and Easy Data Collection
Amanda Rockler, University of Maryland

Choosing a Future for Our Coasts through Multifaceted Community Outreach and Engagement Programs
Kaitlin Grable, Galveston Bay Foundation

Blue Carbon Quantification and Management Implications

Commerce Room

8:30 AM - 10:00 AM

Moderator: Robert Twilley, Louisiana State University

Assessing Carbon Storage Capacity in Eelgrass (*Zostera marina*) Meadows in Massachusetts
Prassede Vella, MassBays National Estuary Program; MA Office of Coastal Zone Management

Blue Carbon Sequestration in Living Shorelines: Variability Across a Geographical Gradient
Jenny Davis, NOAA/NOS/ICSS

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Spartina Alterniflora has Higher Methane Emissions in a Tidal Brackish Marsh Than Other Plant Communities at Similar Salinities

R. Kyle Derby, University of Maryland, College Park

Introduction to the Blue Carbon Calculator, a Simple Tool for Green House Gas Accounting for Ecosystem Restoration Projects

Tim Purinton, Mass Division of Ecological Restoration

Tidal Restoration Promotes Reduced Methane Emissions in Salt Marshes: a Case Study from Casco Bay, Maine

Beverly Johnson, Bates College

Re-Thinking USACE's Standards: An Ecologically Balanced Approach to Structured Shorelines Room

Jefferson Ballroom

8:30 AM - 10:00 AM

Moderator: Gary Sorge, Stantec

Panelists:

Marcha Johnson, New York City Department of Parks and Recreation

Devin Santa, Roberge Associates Coastal Engineers, LLC

Robert Mullins, Stantec

Adam Whelchel, The Nature Conservancy

Monitoring large-scale living shoreline projects on the Northern Gulf Coast

St. James Ballroom

8:30 AM - 10:00 AM

Moderator: Dan Van Nostrand, NOAA

Deepwater Horizon (DWH) Living Shoreline Project Monitoring Frameworks
Jamey Redding, NOAA (ERT Contractor)

RESTORE Coastal Alabama Comprehensive Living Shoreline Monitoring Project
Carl Ferraro, Alabama Department of Conservation and Natural Resources

We're Monitoring. We Have Data. Now What?
Judy Haner, The Nature Conservancy- Alabama

Living Shoreline Construction Monitoring: Setting the Stage for Success
Jason Kroll, NOAA

Monitoring Living Shorelines in Mississippi: Integrating Outcomes for Broader Restoration Success
Thomas Strange, Covington Civil and Environmental

Working Draft

Changes will occur as we finalize details – please check the final program

Deepwater Horizon Natural Resource Damage Assessment: Moving from Injury Assessment to Restoration Implementation and Monitoring

St. Charles Ballroom

8:30 AM - 10:00 AM

Moderator: Tom Brosnan, NOAA

Monitoring What Matters: Creative, Cross-Cutting and Collaborative Approaches to Tracking Gulf of Mexico Ecosystem Recovery
Chris Robbins, Ocean Conservancy

Managing and Sharing Assessment and Restoration Data Using the Deepwater Horizon DIVER (Data Integration, Visualization, Exploration, and Reporting) Tool
Marti McGuire, NOAA Restoration Center

Deepwater Horizon Oil Spill NRDA: Summary of Injuries to the Public's Natural Resources
Tom Brosnan, NOAA Office of Response and Restoration

Open Ocean Restoration Planning
Brittany Croll, NOAA Restoration Center

A Monitoring and Adaptive Management Framework to Support the Restoration of Resources Injured by the Deepwater Horizon Oil Spill
Melissa Carle, NOAA Restoration Center/Earth Resources Technology

Nitrogen Reduction Strategies in Northeast National Estuary Programs: Successes, Setbacks, and Lessons Learned

Jackson Room

8:30 AM - 10:00 AM

Moderator: James Ammerman, Long Island Sound Study/NEIWPC

Success! Nitrogen Loading Reduced by 50%! Now What? Assessing Water Quality Improvements after Nutrient Load Reductions
Courtney Schmidt, Narragansett Bay Estuary Program

Long Island Sound Nitrogen Reduction Strategy
Mark Tedesco, U.S. Environmental Protection Agency

Reducing Non-Point Source Nitrogen Loads: When TMDLs aren't Enough
Alison Branco, Peconic Estuary Program

What If There are No Points? Nutrient Reduction in a Non-Point Source Dominated Watershed
James Vasslides, Barnegat Bay Partnership

A Thirty-Second TMDL: Lessons from Models Used in Massachusetts to Establish Watershed Nitrogen Loading Limits
Joseph Costa, Buzzards Bay National Estuary Program

Working Draft

Changes will occur as we finalize details – please check the final program

Concurrent Session 5: Tuesday, December 13, 10:30 AM – 12:00 PM

**State Perspectives in Gulf of Mexico Restoration
St. Charles Ballroom
10:30 AM - 12:00 PM
Moderator: Ryan Fikes, National Wildlife Federation**

Gulf Oil Spill Recovery Framework in the Florida Panhandle: Leaving a Legacy
Stella Wilson, Dewberry

Nature Based Tourism Planning for Environmental and Economic Benefit: Developing a Nature Based
Tourism Plan for South Mississippi
Rhonda Price, Mississippi Department of Marine Resources

Watershed Planning Leading to the Creation of Estuary Programs in Florida's Panhandle. Ensuring a
Watershed Focus for Deepwater Horizon Related Funding
Darryl Boudreau, The Nature Conservancy

Innovative Funding and Partnership Efforts of the USDA NRCS in Texas
Lori Ziehr, USDA NRCS

Developing the Texas Coastal Resiliency Master Plan
Chris Levitz, AECOM

**When Failure Leads to Success – Using an Adaptive Approach for Creating
Effective Living Shoreline Projects
St. James Ballroom
10:30 AM - 12:00 PM
Moderator: Matt Chasse, NOAA**

Lessons Learned in Coastal Restoration: Bulkhead Removal and Beach Nourishment at Marine Park in
Northern Puget Sound After 12 Years
Jim Johannessen, Coastal Geologic Services, Inc.

Reengineering Living Shorelines to Halt Erosion and Restore Coastal Habitat Functioning in High-energy
Environments
Andrea Small Noel, Guana Tolomato Matanzas Research Reserve

From Failure to Success: Adaptively Managed Living Shorelines Projects in New York and New Jersey
Jon Miller, Stevens-NJ Sea Grant Coastal Processes Specialist

Implementing “Smart” Projects that Push the Science of Shoreline Restoration to New Realms
Bhaskar Subramanian, Maryland Department of Natural Resources

When Failure is Not an Option Redefining Success!
Mary Kate Brown, The Nature Conservancy in Alabama

Project GreenShores in the Florida Panhandle
Zack Schang, Florida Department of Environmental Management.

Working Draft

Changes will occur as we finalize details – please check the final program

Nature-based Solutions to Reducing Flood Risk and Flood Prepared Communities Jefferson Ballroom 10:30 AM - 12:00 PM

Moderator: Diane Hoskins, The Pew Charitable Trusts

Mangroves and Marshes: A Shield Against Catastrophe?
Paul Wilson, RMS

Successes and Challenges in Working with Local Governments to Create Long-term Resilience
Tracie Sempier, Mississippi-Alabama Sea Grant

FEMA Hazard Mitigation Programs & Floodplain Conservation Case Studies
Karen Helbrecht, FEMA

Federal Policy Challenges & Opportunities: Advancing Nature-based Solutions to Reduce Flood Risk
Diane Hoskins, The Pew Charitable Trusts

Preparing for Climate Change with a Risk-Based Approach: Lessons learned from Casco Bay, Morro Bay, and the San Juan Bay Estuary Programs Commerce Room 10:30 AM - 12:00 PM

Moderator: Michael Craghan, U.S. Environmental Protection Agency

A Risk-Based Approach to Preparing to Climate Change
Michael Craghan, U.S. Environmental Protection Agency

Climate Vulnerability Assessment for Casco Bay, Maine
Curtis Bohlen, Casco Bay Estuary Partnership

Assessing Climate Vulnerability in a Small Coastal California Community
Lexie Bell, Morro Bay National Estuary Program

Climate Change Adaptation Plan for a Tropical Caribbean Estuary: The San Juan Bay Estuary Case
Jorge Bauzá-Ortega, San Juan Bay Estuary Program

Managing High Risks that Cannot be Mitigated
Tammy Newcomer Johnson, U.S. Environmental Protection Agency

Engaging Your Audience: Best Approaches in Outreach and Education Canal Room 10:30 AM - 12:00 PM

Kids and the Coast: Teaching Environmental Restoration at the Delaware Bayshore
Zachary Nickerson, American Littoral Society

Building Stewardship through “Estuary EDventures”
Katie Mastenbrook, Tampa Bay Watch

Integration of Citizen Science Programs into Management of Delaware’s Inland Bays
Marianne Walch, Delaware Center for the Inland Bays

Community Engagement: Assessing Public Will and Awareness of Climate Issues
Ramona Madhosingh-Hector, University of Florida/IFAS Extension

Working Draft

Changes will occur as we finalize details – please check the final program

We J.A.M.I.N.! Using program-based Learning to Inspire the Next Generation of Mangrove and Environmental Stewards in Jamaica

Amy Heemsoth, Khaled bin Sultan Living Oceans Foundation

Financing the Future: Identifying funding options for coastal restoration and adaptation plans

Camp Room

10:30 AM - 12:00 PM

Moderator: Dean Boyer, Tulane Institute on Water Resources Law & Policy

Panelists:

Michael Curley, Environmental Law Institute

Carlos Rubenstein, RSAH2O, LLC

Chris Barnes, Louisiana Governor's Office on Coastal Activities

Fred Caver, Caver and Associates, Inc.

Len Shabman, Resources for the Future

Marshes on the Margins: Planning for Wetlands Recovery in Southern California

Royal Room

10:30 AM - 12:00 PM

Moderator: Megan Cooper, California Coastal Conservancy

Developing a Science-based, Management-driven Plan for Restoring Wetlands: The Southern California Wetlands Recovery Project's Regional Strategy

Carolyn Lieberman, US Fish and Wildlife Service, Coastal Program

Applying Regional Restoration Objectives at Specific Coastal Wetlands in Southern California

Rich Ambrose, UCLA

Assessing Historic Change and Relative Vulnerability of Southern California Coastal Wetlands to Sea Level Rise

Eric Stein, Southern California Coastal Water Research Project

Development of Regional Objectives for Southern California Coastal Wetlands Using Landscape-level Metrics

Jeremy Lowe, San Francisco Estuary Institute

Developing Science-Based Management Strategies for Intermittently Open Estuaries in Southern California

John Largier, University of California at Davis, Bodega Marine Laboratory

Oyster Reef Dynamics and Structure and Their Role in Restoration

Fulton Room

10:30 AM - 12:00 PM

Comparison of Oyster Populations, Shoreline Protection Service and Site Characteristics at Seven Created Fringing Reefs in Louisiana: Key Parameters and Responses to Consider

Megan La Peyre, U.S. Geological Survey

Oyster Domes in a Tidal Estuary: Construction, Transportation, and Placement Using Community Volunteers

Working Draft

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Eric Plage, Tampa Bay Watch

Initial Conditions Drive Threshold Dynamics on Restored Oyster Reefs
Allison Colden, Restore America's Estuaries

Oyster Recruitment and Biodiversity Enhancement on a Restored Intertidal Reef in Delaware Bay, NJ
Christine Thompson, American Littoral Society

Let the Oysters Do the Work: A Proposal for Creating Truly Biogenic Shorelines and Barrier Reefs
Tyler Ortego, ORA Estuaries

Storming Back 2: Prime Hook National Wildlife Refuge Parish Room 10:30 AM - 12:00 PM

Prime Hook NWR Ecosystem Restoration: In the Beginning
Al Rizzo, USFWS Coastal Delaware National Wildlife Complex

Prime Hook NWR Restoration Implementation: Pushing Sand and Spraying Mud
Bartholomew Wilson, USFWS Prime Hook National Wildlife Refuge

Monitoring Bird and Vegetation Communities at Prime Hook NWR Before, During, and After Tidal Marsh Restoration
Susan Guiteras, USFWS Coastal Delaware National Wildlife Complex

Coordination of Research and Monitoring Activities to Support the Project Design and Ongoing Evaluation of the Prime Hook Wildlife Refuge Restoration Project
Robert Scarborough, Delaware Dept. Of Natural Resources and Environmental Control

Nutrient Reduction: Best Practices Jackson Room 10:30 AM - 12:00 PM

Upstream Impacts: A Collaborative Approach to Nutrient Load Reduction in the Midwest
Brian Miller, Illinois Water Resources Center

Developing a Nutrient Framework for Managing and Restoring the Biological Integrity of Southwest Florida Tidal Creeks
Jay Leverone, Sarasota Bay Estuary Program

An Approach for the Assessment of Nutrient Trading Potential in Watersheds of Southern Louisiana
Tim Carruthers, The Water Institute of the Gulf

Progress on implementation of the Delaware Inland Bays Pollution Control Strategy, a 10 Year Review
Emily Seldomridge, Delaware Center for the Inland Bays

Nitrogen Modeling to Evaluate and Prioritize Management Strategies to Restore Suffolk County's Estuaries
Daniel O'Rourke, CDM Smith

Working Draft

Changes will occur as we finalize details – please check the final program

Navigating the Legal Minefield of Coastal Restoration and Adaptation

Magazine Room

10:30 AM - 12:00 PM

Moderator: Chris Dalbom, Tulane Institute on Water Resources Law & Policy

Panelists:

Mark Davis, Tulane Institute on Water Resources Law & Policy

Elizabeth Andrews, William and Mary

Michael Pappas, The University of Maryland Francis King Carey School of Law

Robin Craig, SJ Quinney College of Law - The University of Utah

James Tripp, Environmental Defense Fund

Burke Griggs, Kansas Department of Agriculture

Concurrent Session 6: Tuesday, December 13, 2:00 PM – 3:30 PM

Going with the Flow: Restoring Flow and Tidal Creeks

Royal Room

2:00 PM - 3:30 PM

Successful Swamp Restoration at the Caernarvon Freshwater Diversion and on the Maurepas Land Bridge, Southeast Louisiana

Theryn Henkel, Lake Pontchartrain Basin Foundation

Tidal Tributary Restoration by Modification of Salinity Control structures in Tampa Bay, Florida

Scott Deitche, Greenman-Pedersen, Inc.

Simulating Ecological Responses to Coastal Ecosystem Restoration: A Case Study of Proposed Sediment Diversion Operation on the Lower Mississippi River

Melissa Baustian, The Water Institute of the Gulf

Massachusetts TIDEGateway: A New Web-based Geospatial Tool for Planning, Assessment and Analysis of Tidal Restrictions

Robert Hartzel, Geosyntec Consultants

Connecting Coastal Waters: Hydrologic Restoration in the Northern Gulf of Mexico

Jamie Schubert, NOAA-Restoration Center

Storming Back 3: Wildlife Impoundments, Ditch Legacies, and Living Shorelines

Parish Room

2:00 PM - 3:30 PM

Coastal Impoundment Restoration on Edwin B. Forsythe National Wildlife Refuge

Paul Castelli, U.S. Fish and Wildlife Service, Edwin B. Forsythe National Wildlife Refuge

Regional Impoundment Vulnerability Assessment

Laura Mitchell, U.S. Fish and Wildlife Service; Bombay Hook National Wildlife Refuge

Removing the Legacy Effects of Ditching While Promoting Resilience to Climate Change at Parker River National Wildlife Refuge

David M. Burdick, Jackson Estuarine Laboratory, University of New Hampshire

Living Shorelines at Chesapeake Marshland NWR Complex

Working Draft

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Mark Jaworski, CH2M

Oyster Reef Restoration at Chincoteague National Wildlife Refuge in Virginia
Kevin Holcomb, US Fish and Wildlife Service; Chincoteague National Wildlife Refuge Complex

NOAA's Community-based Restoration Program: 20 Years in Habitat Restoration

Fulton Room

2:00 PM - 3:30 PM

Moderator: Tisa Shostik, NOAA

The Community-based Restoration Program: 20 Years in Habitat Restoration
Tisa Shostik, NOAA

Collaboration for Restoration
Polly Hicks, NOAA

Coastal Habitat Restoration, Infrastructure Improvement and Community Resiliency in the Northeast
Eric Hutchins, NOAA

California's Salmon Strategy: Approaching Restoration and Monitoring from a Recovery Perspective
Leah Mahan, NOAA

Innovation in Coral Reef Restoration
Julia Royster, NOAA

Enhancing State Coastal Management Programs to Improve Resilience

Magazine Room

2:00 PM - 3:30 PM

Moderator: Hank Hodde, NOAA

Developing a Coastal Resilience Planning Program in the Wake of Hurricane Sandy
Nick Angarone, New Jersey Department of Environmental Protection

Addressing Priority State Coastal Management Program Coastal Hazards Needs Through the National Coastal Zone Management Program's Enhancement Grant Program
Allison Castellan, NOAA/Office for Coastal Management

Using Municipal Engagement to Increase Resiliency to Coastal Hazards: Maine's Projects of Special Merit
Pete Solvinsky, Maine Geological Survey

Planning for Adaptation: State of Florida's Perspective
Sean Reiss, Florida Department of Economic Opportunity

Increasing Resiliency in Local Louisiana Parishes: Louisiana's Resilience Enhancement Program
Jon Truxillo, Louisiana Department of Natural Resources Office of Coastal Management

Working Draft

Changes will occur as we finalize details – please check the final program

WRRDA 2014 and ASCE Progress to Advancing P3 Delivery for Civil and Ecosystem Restoration Projects

Camp Room

2:00 PM - 3:30 PM

Panelists:

Dennis Lambert, COWI/Chair ASCE COPRI P3 Committee

Bob Beduhn, HDR Engineering Inc. & ASCE COORI P3 Committee Member

Unique Approaches to Education and Engagement

Canal Room

2:00 PM - 3:30 PM

The Gulf Coast Restoration Initiative: Training and Mentoring the Next Generation of Conservationist
John Hosey, The Corps Network

Restoration Through Veteran & Community Engagement in Delaware Bay, NJ
Quinn Whitesall, American Littoral Society

Student-led Habitat Restoration in Northwest Florida
Brittany Tate, Choctawhatchee Basin Alliance

Bringing Students and Adults to Places of Awareness Through Eco-Art Workshops and Adventures Via
Kayak, Walking, and Vessels on the Estuaries of the Gulf
Karla Klay, Artist Boat

Volunteer-Based Habitat Restoration on the Texas Coast
Nathan Johnson, Artist Boat

The New Normal: Adapting Laws and Policies to Changing Environments

Commerce Room

2:00 PM - 3:30 PM

Moderator: Catherine Janasie, National Sea Grant Law Center, University of Mississippi School of Law

Panelists:

Shana Jones, Carl Vinson Institute of Government, University of Georgia

Julia Wyman, Marine Affairs Institute/Rhode Island Sea Grant Legal Program

Elizabeth Andrews, Virginia Coastal Policy Center, William & Mary Law School

Thomas Ruppert, Florida Sea Grant

Niki L. Pace, Louisiana Sea Grant Law & Policy Program, Louisiana State University

Flood Risk: How to Determine and Communicate It

Jefferson Ballroom

2:00 PM - 3:30 PM

Moderator: Gary Oates, ESA

Sea Level Rise and Coastal Flooding Impacts Viewer in Louisiana
Douglas Marcy, NOAA Office for Coastal Management

Flood Risk Management of Estuaries Under a Changing Climate - a UK Perspective
Caroline Hazlewood, HR Wallingford

Working Draft

Changes will occur as we finalize details – please check the final program

Using FEMA's Tools to Better Identify, Communicate, and Mitigate Flood Risk
Krista Conner, Michael Baker International

The Pontchartrain-Maurepas Surge Consortium: A Model for Regional, Collaborative Coastal Risk Management
John Lopez, Lake Pontchartrain Basin Foundation

Planning for Future Flooding, Building a Sea-level Rise Exposure Inventory for Oregon's Estuaries
Julie Sepanik, Oregon Coastal Management Program

Linking Forgotten Habitats in a Pacific Coast Living Shorelines Approach: Challenges and Opportunities in California

St. James Ballroom

2:00 PM - 3:30 PM

Moderator: Marilyn Latta, California Coastal Conservancy

Linking Forgotten Habitats in a Pacific Coast Living Shorelines Approach: Challenges and Opportunities in California
Marilyn Latta, California Coastal Conservancy

Progress in Restoring Native Oysters and Eelgrass for Habitat and Shoreline Protection
Katharyn Boyer, San Francisco State University - Romberg Tiburon Center for Environmental S

Native Oyster and Eelgrass Restoration as Living Shoreline Protection in San Diego Bay
Megan Cooper, State Coastal Conservancy

Thinking Beyond Nearshore Living Shorelines in Southern California
Evan Borgnis, State Coastal Conservancy

A Novel Approach to Baylands and Sea Level Rise: Adaptation Through Horizontal Levees
Donna Ball, Save the Bay - San Francisco

Avoiding Random Acts of Restoration: An Ecosystem Services Approach for the Gulf of Mexico

St. Charles Ballroom

2:00 PM - 3:30 PM

Moderator: Heather Mannix, COMPASS

Panelists:

David Yoskowitz, Harte Research Institute, Texas A&M University – Corpus Christi
Bryan DeAngelis, The Nature Conservancy
Alyssa Dausman, Gulf Coast Ecosystem Restoration Council
Denise Reed, The Water Institute of the Gulf

Working Draft

Changes will occur as we finalize details – please check the final program

Water Quality Improvements and Impacts Jackson Room 2:00 PM - 3:30 PM

Chesapeake Bay Foundation's Brock Environmental Center: Designing for Resilience and Working in Coastal Virginia to Address Climate Change Mitigation and Adaptation
Christina Everett, Chesapeake Bay Foundation

Water Use Efficiency and Water Conservation in Region H as Tools to Protect
THE HEALTH OF GALVESTON BAY
Paula Paciorek, Galveston Bay Foundation

Ecosystem Services in Transportation
Marcel Tchaou, FHWA – USDOT

Quantification of Microplastics at Coastal US National Parks: Identifying Broad Geographic Distributions Across Varied Landscapes
Anna Toline, National Park Service

Concurrent Session 7: Tuesday, December 13, 4:00 PM – 5:30 PM

Innovative Tools and Approaches for Management and Restoration in the Gulf of Mexico St. Charles Ballroom 4:00 PM - 5:30 PM

Maintaining a Beach Through Reestablishment of Native Grasses and Salt Marshes
Pete Melby, Center for Sustainable Design Associates

Building Resilience Capacity Along the Gulf: Community and Business Sector Resilience Indices Development and Implementation
Jody Thompson, Auburn University Marine Center/MASGC

Offshore Oil Rig Decommissioning and Rigs-to-Reefs Programs in the Gulf of Mexico: Current Status and Strategies, and a Review of Decommissioning Cost Estimation
Elena Kobrinski, Harte Research Institute, Texas A&M University Corpus Christi

A Gap Analysis of Resilience Tools for the Gulf of Mexico
Chris Ellis, NOAA Office for Coastal Management

Building Coastal Resilience in the Gulf of Mexico: New and Emerging Science and Tools
Christine Shepard, The Nature Conservancy

Working Draft

Changes will occur as we finalize details – please check the final program

Beyond Vegetation Cover: Examining the Broader Ecological Functions of Coastal Wetland Restoration in the Northern Gulf of Mexico

Royal Room

4:00 PM - 5:30 PM

Moderator: Melissa Carle, Earth Resources Technology, Inc., NOAA Restoration Center

Using Meta-Analysis to Understand Recovery of Vegetation and Soils in Restored Wetlands in the Northern Gulf of Mexico

Diana Lane, Abt Associates

Recovery of Ecological Function of Salt Marsh Fauna Following Habitat Restoration: Implications for Restoration Scaling in the Northern Gulf of Mexico

Matthew Baumann, Industrial Economics, Inc.

Meta-Analysis of Nekton Recovery Following Marsh Restoration in the Northern Gulf of Mexico

Terill Holweg, Abt Associates

Quantification of Coastal Marsh Restoration Benefits in the Northern Gulf of Mexico: Modeling the Development of Marsh Ecological Functions

Gail French Fricano, Industrial Economics, Inc.

Meta-analysis of Nekton Utilization and Production from Coastal Habitats: Implications for Restoration Project Design and Implementation

Kristopher G. Benson, NOAA Restoration Center

State Coastal Programs Deliver Community Resilience: Lets Avoid Reinventing the Wheel with New Programs and Allow the CZMA to Realize its Potential At Last

Fulton Room

4:00 PM - 5:30 PM

Moderator: Mary Munson, Coastal States Organization

Coastal Programs Build Resilience in the Great Lakes

Mike Friis, Coastal States Organization

Alabama and the Gulf of Mexico Alliance Demonstrate the Valuable Contribution of State Coastal Managers

Phillip Hinesley, Alabama Department of Conservation and Natural Resources

Florida Coastal Communities and a Vision for Coastal Management

Becky Prado, Florida Coastal Office

State Coastal Programs: Let the Nation Take Advantage of a Successful Track Record

Mary Munson, Coastal States Organization

Creating Guidance to Promote Use of Natural Floodplains to Achieve Resilience

Bradley Watson, Louisiana Coastal Management Division

Working Draft

Changes will occur as we finalize details – please check the final program

Overcoming Adaptation Barriers with Boundary Organizations

Jackson Room

4:00 PM - 5:30 PM

Moderator: Sam Veloz, Point Blue Conservation Science

Quantifying the Role of Natural Habitat in Increasing Coastal Resilience and Protection
Lisa Wedding, Center For Ocean Solutions

Our Coast Our Future: A Decision Support System for Assessing the Vulnerability of California Shorelines to Climate Change
Sam Veloz, Point Blue Conservation Science

Climate-Smart Adaptation for the North-central California Coast: Planning, Lessons Learned, and Adaptation Outcomes
Sara Hutto, Greater Farallones National Marine Sanctuary

Sentinels for a More Resilient Coast: How Sentinel Sites Connect Local Sea Level Rise and Coastal Change Science to Regional Decision-making
Sarah Wilkins, Chesapeake Bay Sentinel Site Cooperative

The Stakes Are Rising: Coastal Adaptation Stakeholder Engagement in Southern California
Juliette Finzi Hart, USC Sea Grant

Forging successful restoration at the ecosystem scale: what are the policies, science and projects that restore the Gulf of Mexico from coast-to-sea?

Magazine Room

4:00 PM - 5:30 PM

Moderator: Alexis Baldera, Ocean Conservancy

Overcoming Challenges to Implementing Ecosystem Restoration in the Chesapeake Bay Across Geopolitical Boundaries, Funding Sources and Jurisdictions
Kim Coble, Chesapeake Bay Foundation

Coordinating Restoration through Monitoring: Current Efforts for Facilitating a System Response
Gregory Steyer, U.S. Geological Survey

Coping with Uncertainty and Change – The Importance of Adaptive Management in a Framework for Ecosystem-scale Restoration
Robert Spies, Applied Marine Sciences

Investments in Science and Innovation: Informing and Improving Restoration Success
Elizabeth Fetherson-Resch, Florida RESTORE Act Centers of Excellence Program

Putting It All Together: Supporting the Creation of a Restoration Economy
Bethany Kraft, Ocean Conservancy

Working Draft

Changes will occur as we finalize details – please check the final program

Working in the Nearshore: Policies, Planning, and Practice Camp Room 4:00 PM - 5:30 PM

New Tools for Coastal Communities to Manage Dunes, Dredge and Pollutants
Rod Tyler, Filtrexx international

Puget Sound Nearshore Ecosystem Restoration Project (PSNERP): Reaching Beyond the Feasibility Phase
Theresa Mitchell, Washington Department of Fish & Wildlife

Muskegon Lake Wetland and Shoreline Restoration – Restoration of a Great Lakes Lacustrine Estuary
Brian Majka, GEI Consultants, Inc

Performance of Shoreline Restoration Sites in the St. Clair-Detroit River System, USA
Kevin Keeler, USGS Great Lakes Science Center

Coordinating Coastal Research: Implementing an Integrated U.S. Nearshore Research Program
Derek Brockbank, American Shore & Beach Preservation Association (ASBPA)

Getting the Word Out: Best Practices in Presenting Your Message Canal Room 4:00 PM - 5:30 PM

Here. Now. Us.: Leveraging Publicly Accessible, In-Situ Augmented Reality to Foster Community awareness of Sea Level Rise Impacts in Marin County, California
Nate Kauffman, OWLIZED

'A'ole (No) Marine Debris -- Nature- and Culture-Based Community Education in Coastal Communities
Chelsey Jay, Malama Learning Center

Getting the Public to Take the Bait: a Success Story on How Education and Partnerships Helped to Correct Entanglement and Marine Debris Issues at a Popular Fishing Pier
Melinda Spall, Tampa Bay Watch

The Galveston Bay Report Card: Using Science to Connect People to their Estuary
Lisa Gonzalez, HARC (Houston Advanced Research Center)

Making the Grade: Using Report Cards to Motivate Stream Conservation in Lake Erie Coastal Watersheds
Breann Hohman, Erie Conservation District/Old Woman Creek NERR

Challenges and Rewards of Implementing Nature-based Solutions in New Jersey Commerce Room 4:00 PM - 5:30 PM

Moderator: Elizabeth Semple, NJ DEP, Office of Coastal and Land Use Planning

"Building Ecological Solutions to Coastal Community Hazards": Guidance on Nature-based Solutions, Community Engagement and Assistance
Stacy Small-Lorenz, National Wildlife Federation

Working Draft

Changes will occur as we finalize details – please check the final program

Engineering Challenges of Nature-based Solutions
Jon Miller, Stevens Institute of Technology

Permitting Nature-based Solutions
Colleen Keller, NJ Dept. of Environmental Protection, Division of Land Use Regulation

Developing a Coastal Resilience Planning Program in the Wake of Hurricane Sandy
Nick Angarone, NJ DEP Office of Coastal and Land Use Planning

The Delaware Estuary Living Shoreline Initiative: Lessons from 2008-2016 Projects Gleaned from Consistent Monitoring
Danielle Kreeger, the Partnership for the Delaware Estuary

Living Shorelines: Lessons Learned Across the Years
St. James Ballroom
4:00 PM - 5:30 PM
Moderator: Melody Ray-Culp, US Fish and Wildlife Service

Living Shorelines: The Good, The Bad, and The Ugly; Lessons Learned From Diverse Experience Designing and Implementing Them Throughout the United States
Jason Doll, Moffatt & Nichol

The Challenge of Constructing and Designing Living Shoreline Projects in the Northeast
Lee Weishar, Woods Hole Group

Mobile Bay Living Shoreline Suitability Model
Christopher Boyd, Troy University

Restoring the Shore: Implementing a Living Shoreline in New Jersey
Zack Royle, American Littoral Society

Living Shorelines in Northern Macrotidal Environments: Are They Effective for Reducing Erosion Rates?
Kirsten Ellis, St. Mary's University

Working Draft

Changes will occur as we finalize details – please check the final program

Green Infrastructure for Coastal Resilience – What Can Transportation Agencies Offer?

Jefferson Ballroom

4:00 PM - 5:30 PM

Moderator: Tina Hodges, Federal Highway Administration, US Department of Transportation

Nature Conservancy Tools for Assessing the Cost Effectiveness of Natural and Nature-based Coastal Defenses

Michael Beck, Nature Conservancy

Analysis of Nature-based Solutions to Lessen Flooding along Great Bay Boulevard

Bari Greenfield, Metropolitan Transportation Commission

Potential of Living Shorelines Projects to Protect Transportation Infrastructure from Sea Level Rise, Storm Surge, and Erosion

Bret Webb, University of South Alabama

Vulnerability Analysis and Potential Coastal Green Infrastructure Solutions for Delaware Route 1 Coastal Highway

LaTonya Gilliam, State Department of Transportation

Analysis of Vegetated Berm to Mitigate Storm Surge and Wave Damage to Henderson Point Bridge in Mississippi under Future Sea Level Rise Scenarios

Rachel Westerfield, Delaware State department of transportation

Concurrent Session 8: Wednesday, December 14, 8:30 AM – 10:00AM

Planning, Siting, and New Techniques for Marsh Restoration and Management

Royal Room

8:30 AM - 10:00 AM

Moderator: Julie Sullivan, ESA

The Impact of Wetlands and Estuaries on Louisiana Port Development

Joseph Berlin, AECOM

Beneficial Reuse of Dredge Material – Great Expectations

Dorina Frizzera, New Jersey Department of Environmental Protection

Benefits of Marsh Terraces for Coastal Restoration in the Northern Gulf of Mexico: Review of the Evidence

Mike Brasher, Gulf Coast Joint Venture / Ducks Unlimited, Inc.

Coastal Elevations Explained: How Accurate are Your Marsh Elevations and Tidal Datums and What Does That Mean for Your Project?

Galen Scott, NOAA - National Geodetic Survey

Wicomico River Maintenance Dredging Thin Layer Material Placement: An Opportunity for a Blue Carbon and Coastal Resilience Pilot in the "Everglades of the Mid-Atlantic"

Doug Myers, Chesapeake Bay Foundation

Working Draft

Changes will occur as we finalize details – please check the final program

SAV Management and Restoration

Fulton Room

8:30 AM - 10:00 AM

Moderator: Rick Harter, Ecology & Environment

Comanagement of U.S. Marine Protected Areas: Current Efforts and Their Implications for Seagrass Management at Fishers Island, New York
Chantal Collier, The Nature Conservancy

Gulf of Mexico Estuarine “Blue Carbon” Storage, Sequestration, and Flux with Implications for Coastal Wetlands Restoration, Climate Change, Adaptation and Resilience Protection
Anitra Thorhaug, Yale University

The Influence of Floating and Submerged Aquatic Vegetation Habitat Complexity on Nekton Abundance and Diversity in Coastal Louisiana
Kelly Darnell, The Water Institute of the Gulf

Drawing the Map of Submerged Aquatic Vegetation in the Northern Gulf of Mexico: Distribution Patterns Across Levels of Exposure and Marsh Vegetation Zones
Kristin DeMarco, Louisiana State University

Drones, UAVs, and More: Latest Tools and Technologies

Magazine Room

8:30 AM - 10:00 AM

Drones for Living Shoreline Design: Using Remote Sensing to Study Oyster/Spartina Facilitation in an Era of Change
R. Daniel Harris, University of Georgia

Improving Created Wetland Function with Data from Unmanned Aerial Vehicles
Mel Landry, NOAA Restoration Center

Documenting Marsh Shoreline Erosion Over Days, Months and a Year: The Legacy Effects of Disturbances
Giovanna McClenachan, Coalition to Restore Coastal Louisiana

Using Phenology Derived from NASA Earth Observations to Monitor Marsh Conditions in Coastal Alabama in Support of the Alabama Coastal Foundation’s Restoration and Conservation Initiatives
Tyler Lynn, NASA DEVELOP

ShoreZone Coastal Habitat Imagery and Mapping
Cindy Hartmann Moore, National Marine Fisheries Service

Working Draft

Changes will occur as we finalize details – please check the final program

Reducing Coastal Hazard Impacts with Nature-Based Solutions: A Tour of NOAA Resources

Jefferson Ballroom

8:30 AM - 10:00 AM

Moderator: Lauren Long, The Baldwin Group at NOAA's Office for Coastal Management

Panelists & Tool Leaders:

Hank Hodde, The Baldwin Group at NOAA's Office for Coastal Management

Tashya Allen, The Baldwin Group at NOAA's Office for Coastal Management

Nate Herold, NOAA's Office for Coastal Management

Marian Hanisko, The Baldwin Group at NOAA's Office for Coastal Management

Creating a robust scientific framework for supporting water policy and management – an example from coastal Louisiana

Commerce Room

8:30 AM - 10:00 AM

Moderator: Bryan Piazza, The Nature Conservancy

Panelists:

Christopher Dalbom, Tulane Institute on Water Resources Law & Policy

Mark Davis, Tulane Institute on Water Resources Law & Policy

Michele Cutrofello-Eddy, RTI International

Clinton Willson, Louisiana State University

Ehab Meselhe, The Water Institute of the Gulf

Keeping the "Living" in Living Shorelines - Walking That Fine Line Between Shoreline Protection & Habitat Enhancement

St. James Ballroom

8:30 AM - 10:00 AM

Moderator: Kevin Smith, Maryland Department of Natural Resources

Panelists:

Claudia Donegan, Maryland Department of Natural Resources

Albert McCullough, Sustainable Science LLC

Rob Schnabel, Chesapeake Bay Foundation

Impacts and Recovery of the Deepwater Horizon oil spill to Coastal Marshes in Northern Barataria Bay, Louisiana

St. Charles Ballroom

8:30 AM - 10:00 AM

Moderator: Irving Mendelsohn, Louisiana State University

Session Introduction and Background: Assessing Impacts of the Deepwater Horizon Oil Spill on Coastal Wetlands in Northern Barataria Bay, Louisiana

Scott Zengel, Research Planning, Inc.

Vegetation Recovery of Coastal Salt Marshes Impacted by the Deepwater Horizon Oil Spill

Qianxin Lin, Louisiana State University

Working Draft

Changes will occur as we finalize details – please check the final program

Responses of Indigenous Microbial Communities to the Deep Water Horizon Oil Spill in Louisiana Saltmarshes: a 5-Year Study
Aixin Hou, Louisiana State University

Recovery of Salt Marsh Benthic Microalgae and Meiofauna Following the Deepwater Horizon Oil Spill Linked to Recovery of *Spartina alterniflora*
John W. Fleeger, Louisiana State University

Long-term Effects of Shoreline Oiling in Salt Marsh Macroinvertebrates
Donald R. Deis, Atkins

Transforming the Edge: Measuring and Incentivizing Waterfront Resiliency

Jackson Room

8:30 AM - 10:00 AM

Moderator: Nicole Faghin, Washington Sea Grant

Green Shores for Homes; a Non-regulatory Approach to Encourage Living Shorelines
Nicole Faghin, Washington Sea Grant

WEDG 2.0: Enhancing Resiliency, Ecology, and Access in Waterfront Communities
Roland Lewis, Waterfront Alliance

Sustainable SITES Initiative for Resilience
Danielle Pieranunzi, Lady Bird Johnson Wildflower Center at The University of Texas at Austin

Transformational Designs of the Edge
Lauren Elachi, SCAPE

Partnering with Typically-Underserved, Faith-Based, and Urban Communities:

Lessons Learned

Canal Room

8:30 AM - 10:00 AM

Linking Community and Ecosystem Health in Shoreline Vulnerability Studies: The Richmond Transition Zone Community Mapping Assessment
Heidi Nutters, San Francisco Estuary Partnership

Community Gardens as Green Infrastructure: Strengthening Ties in Underserved Communities
Ann Jurczyk, Chesapeake Bay Foundation

Engaging Faith-based Communities in Coastal Protection
Kasey Jacobs, The Coastal Society

The Challenge and Satisfaction of Addressing Community Needs in the Rapidly Changing Landscape of Coastal Louisiana
Corey Miller, Coalition to Restore Coastal Louisiana (CRCL)

Beyond Planning and Restoration: Using Strategic Partnerships to Support, Enhance, and Expand Coastal Restoration Projects in Urban Areas
Laura Bankey, National Aquarium

Working Draft

Changes will occur as we finalize details – please check the final program

Incorporating Ecosystem Services and Economics into Decisions and Management Camp Room

8:30 AM - 10:00 AM

Moderator: Mark Biddle, Delaware Department of Natural Resources

The Ecological Economics of Coastal Adaptation: an Analysis of the Economic Impacts of Climate Adaptation Strategies for Southern Monterey Bay, California
Kelly Leo, The Nature Conservancy

Using Ecosystem Service Valuation for Planning, Policy, and Management of Delaware's Tidal Wetlands
Amanda Santoni, Delaware Coastal Programs

Looking Beyond Ecological Functions to the Value of Ecosystem Services: Incorporating Ecosystem Services into Infrastructure and Policy Decisions in the Greater Houston Region
Deborah January-Bevers, Houston Wilderness

Combining Stakeholder Engagement with Valid Economic Analysis to Develop Effective Communication of the Value of Ecosystem Services
Arleen O'Donnell, Eastern Research Group, Inc.

Wetland Restoration, Climate Change and Invasive Species: Managing a Moving Target
Marla J. Stelk, Association of State Wetland Managers

Mitigation Policy for Coastal Watersheds and Estuaries Parish Room

8:30 AM – 10:00 AM

Moderator: Susan-Marie Stedman, NOAA National Marine Fisheries Service

Attendee Participation and Discussion

Concurrent Session 9: Wednesday, December 14, 10:30 AM – 12:00 PM

A Coastal Resilience Journey: Connecting the Dots in the San Diego Region Magazine Room

10:30 AM - 12:00 PM

Moderator: Danielle Boudreau, Tijuana River National Estuarine Research Reserve

Building Community Resilience from the Ground Up: The San Diego Regional Climate Collaborative's Role as a Catalyst for Coastal Adaptation
Laura Engeman, San Diego Regional Climate Collaborative

Achieving Natural and Community Resilience in the City of Carlsbad
Mike Grim, City of Carlsbad

Supporting Regional Coastal Resilience and Science-Based Solutions
Hank Hodde, NOAA Office for Coastal Management

Working Draft

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Climate Science Alliance-South Coast: Planting the Seeds for Innovative Partnerships
Amber Pairis, Climate Science Alliance - South Coast

Climate Resilient Communities and Living Shorelines
Danielle Boudreau, Tijuana River National Estuarine Research Reserve

Swimming Against the Current: Challenges and Opportunities for Fish Habitat Restoration and Management

Jackson Room

10:30 AM - 12:00 PM

Moderator: Gwen MacDonald, Save the Sound

Over 17,000 Stream Barriers and Counting: Making Informed Decisions About Removing Stream Barriers
Jed Wright, USFWS

Wreck Pond Brook Watershed: Restoring connectivity and habitat quality for river herring and American
eel in a coastal watershed in Monmouth County, New Jersey
Jenna Krug, American Littoral Society

Large Scale Tidal Wetland Restoration in the Sacramento-San Joaquin Delta of California: How Will Delta
Smelt Respond?
Stacy Sherman, California Department of Fish and Wildlife

Lessons Learned about Coordinating a Collaborative and Adaptive Habitat Restoration Initiative
James Boase, U.S. Fish and Wildlife Service

Making Way for Aquaculture: Expanding Opportunities in Coastal Communities through Collaborative
Partnerships, Coordinated Permitting, and "Tools for Rules"
Susan Bunsick, NOAA Fisheries Office of Aquaculture

Optimizing success in estuarine tidal marsh restoration using nutrient rich dredged material: the Poplar Island experience

Royal Room

10:30 AM - 12:00 PM

Moderator: Lorie Staver, University of Maryland Center for Environmental Science

Wildlife Management at the Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island
Peter McGowan, United States Fish and Wildlife Service, Chesapeake Field Office

The Biogeochemistry of Wetland Soils Derived from Fine-grained Estuarine Sediments
Jeffrey Cornwell, University of Maryland Center for Environmental Science, Horn Point Laborat

Optimizing Resilience in Tidal Marshes Created with Fine-grained Dredged Material in Upper-
Chesapeake Bay
J. Court Stevenson, University of Maryland Center for Environmental Science, Horn Point Laborato

The Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island: How it Began, Where it is Going,
and the Interagency Cooperation That Makes it Happen
Holly Miller, Maryland Port Administration

The Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island: Adaptive Management and
Habitat Design, There is No Such Thing as a Mistake, Only Learning

Working Draft

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Michelle Osborn, Maryland Environmental Service

Looking Back to Inform the Future: What History Can Teach Us **Camp Room** **10:30 AM - 12:00 PM**

Interaction of Law and Geology to Predict Future Ownership and Location of Coastlines in Changing Landscapes Due to Both Natural and Anthropogenic Causes
Kelly Haggar, Riparian, Inc.

Great Laurentian Spring Redux: Lessons from the Great Lakes Governance Regime 1968-93
John Coon, Law Offices of John R Coon, PhD

Network Governance and Shifting Patterns of Intergovernmental Relations: The History of Water Pollution Control in the Narragansett Bay Watershed
Donald D. Robadue Jr., UNC - Wilmington

Audubon's 1837 Environmental Change Hypothesis: Postcards from Eden
Richard Condrey, Baton Rouge Audubon Society

Engaging Citizens and Political Leaders: Science as a Catalyst for Involvement and Change **Canal Room** **10:30 AM - 12:00 PM**

Telling a Local Story: Thematic, State-Based Roundtables with Congressional District Staffers
Nicole Bartlett, NOAA

Coastal Restoration as a Method for Engaging Community Members
Chelle King, Patricia and Phillip Frost Museum of Science

Using the Right Outreach Techniques to Revitalize Stalled Restoration Progress, and Turn Rural Coastal Communities into Active Restoration Partners, Volunteers, Fundraisers, and Climate-Smart Management Supporters
Kate Bimrose, Greater Farallones Association

Citizen Science & Unique Partners: Solutions to Identifying Water Quality Concerns in a Hypersaline South Texas Bay
Rae Mooney, Coastal Bend Bays & Estuaries Program

Your Creek Initiative: Connecting People and Communities to Their Creek
Sally Boswell, Delaware Center for the Inland Bays

Tackling Large-Scale and Multi-Habitat Restoration and Management: Tools and Lessons Learned **Commerce Room** **10:30 AM - 12:00 PM** **Moderator: Leo Lentsch, ICF**

Great Lakes Coastal Wetlands: Upper Midwest and Great Lakes Landscape Conservation Cooperative Launches Colossal Collaboration to Benefit Fish, Wildlife, and People

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Christie Deloria, U.S. Fish and Wildlife Service

Representing and Modelling Coastal and Estuarine Morphology on a Regional Scale for Coastal Management

James Sutherland, HR Wallingford

Creating Resilient Habitats and Communities on Delaware Bay

Shane Godshall, American Littoral Society

Small-Scale Features Can Have Large-Scale, Long-Term Implications: Get to Know Your Site Based on Experiences at Milford Neck Conservation Area Wetland Restoration, Kent County, Delaware

Robert Hamilton, Woods Hole Group

NOAA's Habitat Focus Areas: Where Are They Now?

Alex Atkinson

NOAA Office of Habitat Conservation

Dissecting “Wicked Problems” to Understand Choices: “Dangerous Goods” movement within the Great Lakes Basin & Coastal Waters

Jefferson Ballroom

10:30 AM - 12:00 PM

Moderator: Katherine Bunting-Howarth, New York Sea Grant/ Cornell Cooperative Extension

Crude Oil Transportation as a “Wicked Problem”

Dale Bergeron, Minnesota Sea Grant, University of Minnesota

The Legal and Policy Framework Governing the Movement of Crude Oil through the Great Lakes Region

Cathy Janasie, National Sea Grant Law Center

Risk and Transportation of Crude Oil in the Great Lakes-St. Lawrence River Region

Michele Leduc-Lapierre, Great Lakes Commission

Crude Calculations: Understanding How Economic Evaluation Can Inform Crude Oil Transport Choices

Margaret Schneemann, University of Illinois Illinois-Indiana Sea Grant (IISG) Program

Stakeholder Engagement in a Wicked World-Concept Mapping

Rochelle Sturtevant, Great Lakes Environmental Research Laboratory

Permitting a Living Shoreline: Changes on the Horizon?

St. James Ballroom

10:30 AM - 12:00 PM

Moderator: Niki Pace, Louisiana Sea Grant Law & Policy Program, Louisiana State University

NWP Reauthorization and NWP 13

Bill Sapp, Southern Environmental Law Center

Nationwide Permits and Living Shorelines

Diane Hoskins, The Pew Charitable Trusts

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North Carolina's Regional General Permit
Todd Miller, North Carolina Coastal Federation

Maryland's Living Shorelines Act
Jonathan Stewart, Maryland Department of Natural Resources

Local Opportunities to Encourage Living Shorelines
Niki Pace, Louisiana Sea Grant Law & Policy Program, Louisiana State University

Deepwater Horizon oil spill impacts to coastal wildlife, fish populations, and wetlands in Barataria Bay, LA

St. Charles Ballroom

10:30 AM - 12:00 PM

Moderator: Larissa Graham, Mississippi-Alabama Sea Grant

Panelists:

R. Eugene Turner, Louisiana State University

Linda Hooper-Bui, Louisiana State University

Fernando Galvez, Louisiana State University

Lori Schwacke, NOAA

It's for the Birds - and That's a Good Thing

Fulton Room

10:30 AM - 12:00 PM

When All the Pieces Come Together – The First Post-Sandy Horseshoe Crab Beach Restoration Project

Bill Shadel, SHADEL environmental

Examining Public Willingness toward Conservation of the Aransas-Wood Buffalo Whooping Cranes (*Grus americana*) Wintering on the Texas Gulf Coast

Denise Blanchard, Texas State University

Shoreline Habitat Demonstration and Restoration for the Endangered Piping Plover in Northern Michigan

Dawn Marsh, US Fish & Wildlife Service

Permanent Protection for Strategic Wisconsin Lake Superior Basin Brook Trout and Migratory Bird Habitat

Ted Koehler, U.S. Fish and Wildlife Service - Coastal Program

Breakwaters to Protect Eroding Islands and Conserve Living Shorelines

Ann Paul, Audubon Florida

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Concurrent Session 10: Wednesday, December 14, 1:30 PM – 3:00 PM

Using Data and Tools to Develop Restoration and Management Goals in the Gulf of Mexico

St. Charles Ballroom

1:30 PM - 3:00 PM

Establishing Explicit Biological Objectives to Guide Strategic Habitat Conservation for the Gulf Coast:
Case Study with the Brown Pelican
John Tirpak, US Fish and Wildlife Service

Restoring Marine Life Comprehensively Across Political Boundaries
Matt Love, Ocean Conservancy

Using AQUATOX 3.1 NME to Maximize Restoration Priorities for Natural Resources Injured by the
Deepwater Horizon Oil Release
Don Blancher, Moffatt & Nichol

Classification of an Estuary in Southeastern Louisiana into Benthic Ecozones with a Comparison of
Benthic Invertebrate Assemblages to Historic Hypoxia Locations
Patrick Smith, Lake Pontchartrain Basin Foundation

Different Sites, Different Goals, Different Approaches: Best Practices for Living Shorelines

St. James Ballroom

1:30 PM - 3:00 PM

Engineering a “Shore” Thing for Living Shoreline Projects that Require Nearshore Structures
Kari Servold, Dewberry Engineers Inc.

Lessons Learned: Evolving Living Shoreline Techniques in a Florida Panhandle Estuary
Rachel Gwin, Choctawhatchee Basin Alliance

Shoreline Stabilization Along the Delaware River Using Wave Attenuation Devices
Ryan Rupprecht, Cardno

Restoration of the Erosion-impacted and Storm-vulnerable Northern Tip of Mon Louis Island, Mobile
County, AL
Tom Herder, Mobile Bay National Estuary Program

Erosion Control and Temporal Analysis of Living Shoreline Projects in North Carolina
Mariko Polk, University of North Carolina Wilmington

Working Draft

Changes will occur as we finalize details – please check the final program

Implementing a Natural Layered Protection Project: Living Breakwaters Case Study

Jefferson Ballroom

1:30 PM - 3:00 PM

Moderator: Tom Jost, WSP | Parsons Brinckerhoff

Panelists:

Pippa Brashear, SCAPE

Pete Malinowski, NY Harbor School

Kate Orff, SCAPE

Gena Wirth, SCAPE

Alex Zablocki, NYS Governor's Office of Storm Recovery

Charting a Path for the Future of Estuarine Management: Using the National Estuarine Research Reserve System as a Platform

Commerce Room

1:30 PM - 3:00 PM

Moderator: Erica Seiden, NOAA Office for Coastal Management

Panelists:

Michael De Luca, Rutgers University

Mary Culver, National Oceanic and Atmospheric Administration

Ginger Hinchcliff, National Oceanic and Atmospheric Administration

Dwight Trueblood, National Oceanic and Atmospheric Administration

Rebecca Roth, National Estuarine Research Reserve Association

Meeting the Needs of a Changing Climate: Working Together to Coastal Resilience and Health

Canal Room

1:30 PM - 3:00 PM

The U.S. Army Corps of Engineers Resilience Initiative: History of the Initiative and Direction for the Future

Emily Vuxton, U.S. Army Corps of Engineers

Site-scale Coastal Resiliency Planning and Design Considerations for Climate Change Adaptation

Ed Morgereth, Biohabitats, Inc.

A Changing Chesapeake Bay: A New Paradigm for Stakeholder Engagement

Lucinda Power, U.S. EPA Chesapeake Bay Program Office

Coastal and Marine Management from the Bottom Up: Developing Peer-to-peer Networks and Building Capacity for Planning and Managing Sustainable Tourism Operations in Marine Protected Areas

Anne Nelson, NOAA MPA Center International MPA Capacity Building Team

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Changes will occur as we finalize details – please check the final program

Rethinking Coastal Restoration Advocacy: Using an interdisciplinary approach to address Louisiana's land loss crisis

Camp Room

1:30 PM - 3:00 PM

Moderator: Estelle Robichaux

Panelists:

Theryn Henkel, Lake Pontchartrain Basin Foundation

Erik Johnson, National Audubon Society

Simone Maloz, Restore or Retreat

Amanda Moore, National Wildlife Federation

Estelle Robichaux, Environmental Defense Fund

Elizabeth Van Cleve, Environmental Defense Fund

Getting the Details Right in Marsh Restoration: Learning Through Experience

Royal Room

1:30 PM - 3:00 PM

It's Big, Complicated, Expensive and Well Past Due: Lessons Learned From Over a Decade of Planning the Herring River Estuary Restoration Project

Steve Block, NOAA Restoration Center

Bridging Between Science and Implementation of Restoration Projects in a Changing Climate

Cameron Perry, HDR Engineering, Inc.

Restoration of a Salt Marsh in Nueces Bay, Texas

Rosario Martinez, Coastal Bend Bays & Estuaries Program

LaBranche Marsh Creation Pilot Project; Using Actual Field Results to Augment Geotechnical Investigations

Michael Nichols, Natural Resources Conservation Service

Performance of the Recently Constructed Kilchis Wetlands Preserve Tidal Wetland Restoration Project – Storm Resilience Now, Climate Change Resilience for the Future

Curtis Loeb, Environmental Science Associates

Righting a Wrong: Damage Assessment and Mitigation in a Restoration and Management Context

Magazine Room

1:30 PM - 3:00 PM

Large-scale and Privately Funded Fresh-intermediate Marsh Creation in the Barataria-Terrebonne Estuary Utilizing Dredge Material from the Mississippi River to Offset Regional Wetland Impacts

Worth Creech, Restoration Systems

Artificial Reef Enhancement as Mitigation for Potential Impact due to Subsea Pipeline Installation, Rockaway, New York

Steven MacLeod, Ecology & Environment, Inc.

An Overview of the Deepwater Horizon Natural Resource Damage Assessment Early Restoration Plan Marsh Island (Portersville Bay) Restoration Project: Engineering, Design And Construction

Carl Ferraro, Alabama Dept. of Cons. & Natural Resource, State Lands Division

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Building social and ecological resilience in US and abroad-- integrating disciplines, partners, and actions

Jackson Room

1:30 PM - 3:00 PM

Moderator: Elin Torell, University of Rhode Island Coastal Resources Center

Resiliency Through Offshore Renewable Energy: Rhode Island's Block Island Wind Farm.
Tiffany Smythe, The University of Rhode Island Coastal Resources Center

Organizational Resiliency: National Park Service's Assessment of Coastal Parks to Climate Change
Glenn Ricci and Pam Rubinoff, The University of Rhode Island Coastal Resources Center

Resiliency through Rights-Based Shellfish Management Planning in The Gambia.
Karen Kent, The University of Rhode Island Coastal Resources Center

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Posters

Displayed in the Expo Hall

Posters will be assigned a unique identifier for the final program. For the purposes of this document, posters have been arranged by the author's last name.

Advancing Science-based Monitoring That Incorporates Citizen Involvement for Oyster Habitat Restoration Projects
Anne Birch, The Nature Conservancy

Blue Carbon Accumulation Potential and Microbial Diversity in Created Salt Marshes of the Chenier Plain, Louisiana
Katherine Abbott, Louisiana State University

USDA NRCS Texas: Coastal Restoration and Partnerships Efforts Along the Texas Coast
Scott Alford, USDA NRCS

The NOAA Coastal Management Fellowship Program: 20 years and Still Going Strong
Margaret Allen, The Baldwin Group at the NOAA Office for Coastal Management

Testing the Succession of Marine Invertebrates On Various Settlement Plates
Naysha Angelucci, New Jersey City University

"It takes an Island!" Communicating Climate Change in the CNMI
Ariele Baker, CNMI Bureau of Environmental and Coastal Quality

Investigating Rhode Island Town Beaches Litter Policies
Sara Benson, University of Rhode Island

A GIS Decision Support Tool for Living Shoreline Suitability
Marcia Berman, Virginia Institute of Marine Science

h2O: A conversation with a fish and a bird sound surprising.
Kristi Bevard, Volunteer

Collaborating for Coastal Resilience: Stakeholder Assessment and Interdependence in Seabrook, New Hampshire
Emily Bialowas, University of New Hampshire

Watch The Delta Grow: Combining Scientific Research and Outreach Focused on the Wax Lake Delta to Create a Web-Based Educational Program
Pamela Blanchard, Louisiana State University

Demonstrating the Use of Livings Shorelines as an Alternate to Bulkheads for Private Landowners
Jacob Blandford, The Nature Conservancy

Living Shorelines: Synthesizing Results of a Decade of Implementation in Coastal Alabama
Brittany Blomberg, Dauphin Island Sea Lab

Connecting Traditional Ecological Knowledge and Natural Science: A Partnership Between State and Tribal Department of Natural Resources
Jodi Bluhm, Samish Indian Nation

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How Does Cultivating Oyster Reefs Revive Invertebrate Diversity in the Bronx River?
Christian Bojorquez, New Jersey City University

Testing a Novel Adaptation Strategy in a California Salt Marsh
Evyann Borgnis, State Coastal Conservancy

A Goal Based Scientific Monitoring Framework to Gauge Living Shoreline Outcomes
Sarah Bouboulis, Partnership for the Delaware Estuary

Microphytobenthos response to an exceptional drought in a northwestern Gulf of Mexico brackish marsh
Katie Bowers, Texas A&M University at Galveston

Looking Back Over Ten Years of Tidal Wetland Restoration in Nova Scotia, Canada
Tony Bowron, CBWES Inc.

Invasive Treatment Effect on Avian Abundance in a Bottomland Hardwood Forest
Katie Brasted, Woodlands Conservancy

Contaminant Risks in Subsistence Fishing in Coastal North Carolina: What You Don't Know CAN Hurt You
Liz Brown-Pickren, Coastal Resources Management Program, East Carolina University

Application of Seabed Mapping Surveys and Other Spatial Data for Planning Large Scale Oyster Restoration in the Chesapeake Bay
David Bruce, NOAA Fisheries

Mapping Atlantic Sturgeon Critical Habitat in Chesapeake Bay Tributaries
David Bruce
NOAA Chesapeake Bay Office - Cooperative Oxford Laboratory

Public Opinion of the Cape Wind Project off Cape Cod, MA and Knowledge of its Environmental, Economic, and Aesthetic Impacts
Drew Bush, McGill University

Dynamic Surface Elevation Controls on Wetland Submergence and Migration
Donald Cahoon, US Geological Survey

Ecosystem Services Associated with Restored Submerged Aquatic Vegetation (SAV) and Oyster Beds in the Chesapeake Bay (USA)
Elliott Campbell, Maryland Department of Natural Resources

Collaborative Adaptation Planning for Sea Level Rise in the Tampa Bay Region
Libby Carnahan, UF/IFAS Extension, Florida Sea Grant

Coastal Habitat Restoration on Edwin B. Forsythe National Wildlife Refuge
Paul Castelli, U. S. Fish and Wildlife Service

Dune Management Challenges on Developed Coasts: American Shore and Beach Preservation Association's 2015 Workshop
Brian Caufield, CDM Smith/American Shore and Beach Preservation Association

Economic Feasibility Analysis of R&D for Coastal Restoration and Value Creation in Korea
Jeong-In Chang, Korea Maritime Institute

Philippine Manila Trench Earthquake's Tsunami Menace to Pearl River Delta of South China
Shuisen Chen, Guangzhou Institute of Geography

Working Draft

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Decision Rules of Blue Crab *Callinectes sapidus* Movement in Wind-driven Systems and Implications for Adaptive Management of the Fishery in Coastal North Carolina
Julia Chen, Duke University Marine Lab

Water Quality Degradation in a Hypersaline, Lagoonal South Texas Estuary (Baffin Bay): Symptoms and Potential Causes
Emily Cira, Texas A&M University - Corpus Christi

You're More Connected Than You Think: Promoting Public Awareness in Galveston Bay
Cynthia Clevenger, Galveston Bay Estuary Program

Engaged Communities: Using Multiple Strategies to Keep Stakeholders Informed and Involved in Oyster Restoration Efforts in North Carolina
Michelle Clower, North Carolina Coastal Federation

Northern Gulf of Mexico Sentinel Site Cooperative: Successful Continuation of a Gulf Coast Partnership
Renee Collini, Northern Gulf of Mexico Sentinel Site Cooperative

Gandy's Beach Living Shoreline Project
Katie Conrad, USFWS

Remediation, Restoration and Revitalization in Great Lakes Areas of Concern: A Case Study at Muskegon Lake, MI.
Sarah Cook, Great Lakes Commission

Public Participation in Ecosystem-Based Governance: Lessons from Great Lakes Tomorrow
Hannah Coon, Vermont Law School

Using Renewable Mississippi River Sediment to Create Marshes in Louisiana: The Bayou Dupont Projects
Brad Crawford, EPA Region 6

Defining the Best Natural Enhancements and Innovative Technologies to Deliver Ecosystem Services to Highly Urbanized Waterfronts
Charmaine Dahlenburg, National Aquarium

Science-based Shoreline Restoration Assessment and Conceptual Design in West Bay, Olympia, WA
Joel Darnell, Environmental Science Associates

Perspectives on Emerging Water Quality Monitoring Technologies: Understanding Factors that Affect Technology Adoption in Coastal Management
Nelle D'Aversa, University of Rhode Island

Outreach and Education at The Nature Conservancy's Virginia Coast Reserve: Engaging a Rural Community in Coastal Resiliency and Habitat Restoration
Jennifer Davis, The Nature Conservancy

Analysis of Marsh Loss and Erosion within Northern Barataria Bay, Louisiana: The Effects of the Deepwater Horizon Oil Spill
Donald Deis, Atkins North America

Perceptions of Participants in the NOAA National Marine Sanctuary Nomination Process: A Case Study of Mallows Bay-Potomac River
Cathrine Denman, University of Rhode Island

Working Draft

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Coastal Zone Management Act as a Tool for Promoting Good Coastal Management and Resiliency in the Commonwealth of the Northern Mariana Islands

Erin Derrington, Bureau of Environmental and Coastal Quality

The restoration of two ecologically and economically important coastal lagoons in southern Rhode Island: Baseline data collection and analysis.

Sean Duffey, Rhode Island Coastal Resources Management Council

Influence of *Phragmites australis* Invasion on Nutrient Levels and Hydrology in Great Lakes Coastal Marshes

Shawn Duke, Cardno

Biophysical Impacts of Coastal Policies with Respect to Sea Level Rise in Galveston Bay, TX

Rachel Edwards, Harte Research Institute

Biological and Geochemical Responses to Anthropogenic Activities Along the Coastal Areas of Matagorda and Brazoria Counties, Texas

Khalifa Elderbak, ALS Oil & Gas

A Collaborative Approach to Characterizing Sand and Gravel Deposits Using Multibeam Sonar in the Gulf of Maine

Claire Enterline, Maine Coastal Program

The Dynamical Equilibrium of the Safety Valve Between Biscayne Bay and the Florida Strait

Ulf Erlingsson, Lindorm, Inc.

Building Partnerships to Protect Natural and Cultural Resources

Devon Eulie, University of North Carolina Wilmington

A New England Case Study: The Brave New World of Ocean Planning

Susan Farady, University of New England

Texas' Estuarine Bottlenose Dolphins: Addressing Knowledge Gaps in Galveston Bay

Kristi Fazioli, Environmental Institute of Houston - University of Houston Clear Lake

Developing a Collaborative Regional Approach to Invasive *Phragmites australis* Management, Research, and Restoration in the Great Lakes Basin

Elaine Ferrier, Great Lakes Commission

Effects of Extraction *Lessonia trabeculata* and the Need to Create a Program of Restoration of Kelp Forests in Northern Chile

Luis Figueroa-Fabrega, Instituto de Fomento Pesquero

Repopulation of *Loxechinus albus* (echinoderm - Echinoidea) in Coastal Areas of Northern Chile: Trends and Prospects in the Short Term

Luis Figueroa-Fabrega, Instituto de Fomento Pesquero

Invertebrate Colonization and Usage of Subtidal Oyster Reef Restoration Elements

Allison Fitzgerald, New Jersey City University

Evaluating Oyster Aquaculture's Cost-Effectiveness as Nitrogen Removal Best Management Practice – A Case Study of the Delaware Inland Bays

Jefferson Flood, University of Delaware

Working Draft

Changes will occur as we finalize details – please check the final program

Enhancing and Restoring Coral Reefs and Mangroves for Coastal Defence: A Hybrid Solution Case Study from Grenada

Nealla Frederick, the nature conservancy

Assessment and Monitoring of Hardbottom and Potential Oyster Areas in Barataria Bay, Louisiana

Angelina Freeman, Louisiana Coastal Protection and Restoration

The Bay is our Oyster: Oyster Recovery Partnership's Role in Large Scale Oyster Restoration in the Maryland Portion of the Chesapeake Bay

Emily French, Oyster Recovery Partnership

Accurate Elevations Inform Resilience and Adaptation: Datums and Tools to Plan for Our Future

Christine Gallagher, NOAA's National Geodetic Survey

Improving Oyster Reef Restoration Via Restoration Suitability Modeling Within the Guana Tolomato Matanzas National Estuary Research Reserve

Stephanie Garvis, University of Central Florida

A New Artificial Reef Design & Partnerships Towards Coral Reef Restoration

Peter Gayle, Univ. West Indies - Discovery Bay Marine Lab

Habitat is Where it's At: An Urban Wildlife Conservation Partnership

Shara Gemillion, University of New Orleans

Maximizing Adaptive Capacity & Ecosystem Services: A GIS-based Approach to Managed Realignment

Jennie Graham, CBWES Inc.

The Influence of Freshwater Inflow on Water Quality and Nekton Communities of the Brazos River estuary, Texas.

George Guillen, Environmental Institute of Houston, University of Houston Clear Lake

The Influence of Freshwater Inflow on the Occurrence of Atlantic Rangia and Water Celery within the Trinity River delta, Galveston Bay, TX.

George Guillen, Environmental Institute of Houston, University of Houston Clear Lake

Field and Modeling Studies of Salt Marshes in Bombay Hook National Wildlife Refuge in Delaware

Susan Guiteras, US Fish and Wildlife Service; Coastal Delaware NWR Complex

Long Term Reference Data in New Jersey Coastal Marshes: Perspectives on Elevation Dynamics and Thin Layer Placement

LeeAnn Haaf, Partnership for the Delaware Estuary

Analysis of Goose Point, Lacombe, Louisiana, Validates New Geophysical Data Type - Natural Source Electromagnetic Method (NSEM) - for Detection of Lineaments, Faults, Sedimentary Features

Kathy Haggard, Dynamic Measurement, LLC

Changing Dynamics of Water Quality and Nutrient Monitoring Through the Use Long Term Unattended Deployments, Real Time Data Delivery and Real Time Data Quality Flags

Nichole Halsey, Sea-Bird Coastal

Climate Kids Program Marine Module, Climate Science Alliance- South Coast

Laura Hampton, Climate Science Alliance- South Coast

Canine Conservation + Nutria

Veni Harlan, Marsh Dog

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Change in Vegetation Types in Coastal Louisiana from 2007 to 2013
Steve Hartley, USGS

ShoreZone Imagery and Mapping Data Covering Approximately 75,000 miles At Your Fingertips
Cindy Hartmann Moore, National Marine Fisheries Service

Mapping Blue Carbon in South Slough National Estuarine Research Reserve Using ShoreZone
Cindy Hartmann-Moore, Coastal and Ocean Resources

Protecting Seagrass Using Conservation Moorings in New England: Successes, Challenges, and Lessons Learned
Lisa Havel, Atlantic Coastal Fish Habitat Partnership

Using Deepwater Horizon National Fish and Wildlife Foundation Funding to Restore "Stop the Bleeding" in the Sediment-Impacted D'Olive Creek Watershed
Tom Herder, Mobile Bay National Estuary Program

Citizen Science-driven Surveys of Monarch Butterflies in Coastal South Carolina Reveal Potential New Priorities for Future Conservation Efforts
Christopher Hernandez, US Fish and Wildlife Service

Taking Our Data to the Next Step: Using ESRI Story Maps to Share Success Stories of Data Application in the Maryland Coastal Zone
Kimberly Hernandez, Maryland Department of Natural Resources Chesapeake and Coastal Service

The Coastal Zone Soil Mapping Initiative
Luis Hernandez, USDA-NRCS Soil Science Division

Community Risk Reduction through Comprehensive Coastal Resiliency Enhancement for Upper North Shore, Massachusetts
Chris Hilke, National Wildlife Federation

Oyster Reef Restoration at Chincoteague National Wildlife Refuge in Virginia
Kevin Holcomb, United States Fish and Wildlife Service

Hydrologic Effects of a Tidal Barrier on a Texas Salt Marsh
Thomas Huff, Texas A&M University

Large-scale Partnerships Case Study: Southeast Conservation Adaptation Strategy
Kasey Jacobs, Caribbean Landscape Conservation Cooperative

Large-scale Partnerships Case Study: Conservation Action Teams in the U.S. Caribbean
Kasey Jacobs, U.S. Forest Service/Caribbean Landscape Conservation Cooperative

EPA's Trash Free Waters Program
Douglas Jacobson, US EPA Region 6

Ecosystem Services Value in the Greater Houston Region
Deborah January-Bevers, Houston Wilderness

Spatial Framework to Assess Economic and Ecological Impacts of Derelict Fishing Gear: Chesapeake Bay Crab Pot Pilot Project
Chris Jeffrey, CSS-Dynamac

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Island Management for Waterbirds in the Maryland Coastal Bays
Roman Jesien, Maryland Coastal Bays Program

Regenerative Stream Channel Replaces a Mill Dam to Serve as a Nature-like Fish Passageway While Maintaining the Existing Pond
Roman Jesien, Maryland Coastal Bays Program

Eutrophication Governance in Chesapeake Bay and the Baltic Sea: A Comparison of the Determinants of Adaptive Capacity
Savitri Jetoom Abo Akademi University

National Parks, Seashores, and Lakeshores: How Animal Agriculture is Affecting America's Best Idea
Emily Jones, National Parks Conservation Association

The Role of Stakeholder Values and Norms in Selecting Ecosystem Services Associated with Living Shorelines Restoration
Lauren Josephs, University of Rhode Island

Partnering to Meet the Challenges of Sea Level Rise: NOAA's San Francisco Bay and Outer Coast Sentinel Site Cooperative
Jenna Judge, NOAA San Francisco Bay and Outer Coast Sentinel Site Cooperative

Diurnal Tidal Response to *Halophila johnsonii* Physiology in a Riverine vs. Marine Influenced Habitat
Amanda Kahn, University of North Carolina Wilmington

Ecological Effects of Sea Level Rise program: Science to Facilitate Mitigation of Coastal Flooding Impacts
David Kidwell, NOAA

Mapping and Monitoring Aquatic Vegetation in Lake Erie for Grass Carp Risk Assessment
Nicole King, University of Toledo Lake Erie Center

Social Science Survey of Oyster Gardening Program Participants in Northern Indian River Lagoon, Florida: Implications for Restoration Engagement and Outreach
Phyllis Klarmann, University of Central Florida

Marine Species Distribution Shifts in the U.S. Northeast Continental Shelf Under Continued Ocean Warming
Kristin Kleisner, Environmental Defense Fund

Construction and Preliminary Assessment of a Coastal Floodplain Reconnection and Channel Incision Reversal Project on Butano Creek, San Mateo County, CA
John Klochak, US Fish and Wildlife Service San Francisco Area Coastal Program

Restoring Resiliency to Puget Sound Shorelines
Jay Krienitz, Washington Department of Fish and Wildlife

Sponge Restoration in Florida Bay Through a Successful Research-Outreach Partnership with Florida Sea Grant and Old Dominion University
Shelly Krueger, Florida Sea Grant, University of Florida IFAS Extension, Monroe County

Wreck Pond Brook Watershed: Restoring connectivity and habitat quality for river herring and American eel in a coastal watershed in Monmouth County, New Jersey
Jenna Krug, American Littoral Society

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The Effect of Invasive Species Management on Post Hurricane Recovery Patterns
in a Louisiana bottomland forest
John Lambrinos, Oregon State University

Classifying Estuarine Habitats in Depth Using CMECS: A Case Study from Oregon
Andy Lanier, Oregon Coastal Management Program

The Influence of Habitat Setting on *Panopeus simpsoni* Reproductive Output
Robert Laroche, University of Houston

On-line Decision Support Tools to Promote Nature-based Solutions for Enhanced Coastal Resiliency
Richard Lathrop, Rutgers University

Monitoring and Mapping Avian Resources Over the Great Lakes to Support Management
Michele Leduc-Lapierre, Great Lakes Commission

Developing a Vulnerability Self-Assessment Toolkit for Coastal Communities in Puerto Rico
Amanda Leinberger, Puerto Rico Coastal Zone Management Program

Small Habitat Restoration in an Urban Landscape within North Mission Bay, San Diego California
Carolyn Lieberman, U.S. Fish and Wildlife Service

Constructing Oyster Castle Reefs for Increased Resilience at Chincoteague National Wildlife Refuge
Bowdoin Lusk, The Nature Conservancy

A Search for Blue Carbon in Pacific Northwest Eelgrass Meadows
Mira Lutz, Western Washington University

Comparing the Effectiveness of Armouring Techniques in Protecting the Eroding Coastlines of Augustine
Cove, Prince Edward Island, Canada
Andrew MacDonald, University of Prince Edward Island (Climate Research Lab)

Fate of Soil Organic Carbon During Wetland Loss
Sarah Mack, Tierra Resources

Dairy Creek: Innovation and Technological Advances Yield an Important Creek Re-connection
Jason Magalen, HDR Engineering, Inc.

Living Shorelines Along the Georgia Coast
Benjamin Maher, Georgia Department of Natural Resources Coastal Resources Division

The Coon Creek Riparian Buffer and Nutrient Offset Mitigation Project, Granville County, North Carolina
Lawrence Malizzi, OBG

Quantifying Flocculation Settling Dynamics of Natural Fine-grained Suspended Sediments: "Floccin'
Across the USA!"
Andrew Manning, HR Wallingford Ltd

The Interdependency of Blue Carbon: Processes Beyond Vegetation
Angela Martin, Blue Climate Solutions

Facilitating Mid-Atlantic and Northeast Regional Ocean Planning: Lessons and Reflections
Meghan Massaua, Meridian Institute

Advancing Coastal Resilience: An Institutional Analysis of Living Shorelines in New Hampshire
Trevor Mattera, University of New Hampshire

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Use of Reef Balls on Living Shorelines, Best Practices
Jim McFarlane, Reef Ball Foundation / Reef Innovations

Offshore Video Survey and Oceanographic Analysis: Georges Bank to the Chesapeake
Sally McGee, Nature Conservancy

Floating Oyster Cages and Wetlands as an Alternative Bulkhead Bio-Enhancement Strategy
Andrew McGowan, Delaware Center for the Inland Bays

Quantitative and Spatial Analysis of Relationships Between Gamefish Communities and Water Quality Parameters in Lake Worth Lagoon, Florida
Manuel McIlroy, Florida Atlantic University

The Cape May Plant Materials Center-Developing Plant Technologies for Coastal Ecosystem Restoration
Christopher Miller, USDA-NRCS, Cape May Plant Materials Center

Promoting the Watershed Approach: Plan, Implement, Monitor, Respond, and Adapt
Christian Miller, Auburn University Marine Extension and Research Center

Connecting with Waterfront Landowners: Communicating Sustainable Marine Shoreline Design Options
Theresa Mitchell, Washington Department of Fish and Wildlife

Low-cost Mapping of Intertidal Reefs Using Side-scanning Sonar and Drone Systems
Mustafa Mokrech
University of Houston - Clear Lake

A Long-Term Performance Review of Industrial Stormwater Active Treatment at Facilities Discharging to San Francisco Bay, Galveston Bay, Puget Sound, and Columbia River Watersheds
TJ Mothersbaugh, WaterTectonics

Quantifying Coastal Blue Carbon Stocks in Vegetation and Soils of Mangroves, Salt Marshes, and Salt Barrens in Tampa Bay, Florida
Ryan Moyer, Florida Fish and Wildlife Conservation Commission

Testing the Facilitation of *Spartina patens* by *Spartina alterniflora* in Created Coastal Marshes of Louisiana
Andy Muench, Louisiana State University

Estuaries Matter: Connecting Recreation and Sense of Place to Resilience on Cape Cod
Kate Mulvaney, U.S. EPA Atlantic Ecology Division

Designing and (eventually) Building Miles of Shoreline, and Acres of Wetlands and Oyster Reefs on an Urbanized River
Ben Nash, Brown and Caldwell

Iterative Design of Citizen- and Student-friendly Monitoring Protocols: a Report from the Field
Robert Newton, Ashore Consulting

Impacts of Runaway Transgression on Back Barrier Marsh Ecosystems
Kathryn Norman, George Washington University

The Physics of Dredged Material Placement Within Nearshore Waters: as Observed by Crab
Jarod Norton, USACE Portland District

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Two Thousand Years of Salt Marsh Development, Carbon Stock, and Accumulation Rates in the Delaware Bay Tidal Salt Marshes
Beatrice O'Hara, West Chester University of PA

Lessons Learned from Watershed Planning in Thurston County
Allison Osterberg, Thurston County

Citizen Science: Engaging and Retaining Public Participation Through Science-based Monitoring
Christie Pfoertner, Peconic Estuary Program, Cornell Cooperative Extension

Competitive Mechanisms of *Festuca rubra* on Native *Leymus mollis* and Invasive *Ammophila arenaria* in Coastal Sand Dunes of USA
Daniel Pingel, USDA NRCS

Prioritizing Land Conservation for Rappahannock River Valley National Wildlife Refuge using Resource Concentration Complexes, Focus Areas, and Goals Identified in the Refuge's Comprehensive Conservation Plan
Leslie Pitt, U.S. Fish and Wildlife Service

Integrated Strategy for Beneficial Use of Dredged Material in Great Lakes Commercial Ports
Michael Polich, Great Lakes Commission

Regional Framework for Coastal Resilience in Southern Connecticut: Legal, Policy, and Regulatory Assessment
Read Porter, Marine Affairs Institute / RI Sea Grant Legal Program

Use of Water Quality to Prioritize Maryland's Coastal Streams for Restoration
Amanda Poskaitis, Maryland Coastal Bays Program

Examining Shoreline Change and the Impact of a Novel Shoreline Protection Structure at the Brunswick Town/Fort Anderson State Historic Site, Lower Cape Fear River
Kelsey Potlock, University of North Carolina Wilmington

A Review of Critical Species Thresholds in Response to Sea Level Rise and Storms to Support Coastal Ecological and Human Community Resilience Planning
Emily Powell, North Atlantic Landscape Conservation Cooperative

From Marsh to Mangrove: How do Vegetation Shifts in Coastal Louisiana Affect Species Composition, Trophic Dynamics and Carbon Flow in Estuarine Food Webs?
Christina Powell, Department of Oceanography and Coastal Sciences, Louisiana State University

Partnering to Leverage Scale in Coastal Wetland Monitoring – South Atlantic Geography Approach
Nicole Rankin, U.S. Fish and Wildlife Service

Social Network Analysis of Actors Involved in Systems Approach to Geomorphic Engineering (SAGE)
Kristin Raub, Coastal States Organization & USACE's Institute for Water Resources

Development of *Spartina spartinae* Lines for Improved Seed Production and Viability for Restoration Along the Gulf Coast
Curt Riche, USDA/NRCS

A Climate Change Adaptation Plan: From Words to Action. The case of the The San Juan Bay Estuary.
Gladys Rivera, San Juan Bay Estuary Program

Photovoice: A Tool for Empowerment and Inclusion in the Environmental Field
Amanda Rockler, University of Maryland

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Napatree Point Conservation Area, Rhode Island: A Demonstration Site for Natural Coastal Ecosystem Resilience

Nicole E. Rohr, Coastal Institute at the University of Rhode Island

Management and Exploitation Areas for Benthic Resources (AMERBs), and Socioeconomic and Organizational Impact on the Coast of Chile: a Tool for Ecosystem Restoration

Pedro Romero, Instituto de Fomento Pesquero

The Oases and the Climate Change in Morocco: Unique Model of Sustainability

ADIL Said, Water, Forestry and Desertification Depart

The Oases and the Climate Change in Morocco: Unique Development Model

ADIL Said, Water, Forestry and Desertification Depart

The Effects of Invertebrate Colonization on Water Flow Around Pier Pilings: Implications on Homeland Security

Kaylee Saltos, New Jersey City University

Nanakuli Wetland and Watershed Project – Restoring Respect to and Promoting Active Stewardship of a Bio-Cultural Community Resource in Hawaii

Pauline Sato, Malama Learning Center

Peconic River Connectivity Restoration: Lessons Learned While Restoring Diadromous Fish Habitat

Sarah Schaefer, Peconic Estuary Program, NYSDEC

Indiana Coastal Zone Ecosystem Service Valuation

Margaret Schneemann, Illinois Indiana Sea Grant

Adopt-a-Buoy Pilot: Facilitating Community Financial Support for Observation Equipment When Its Useful Life Exceeds the Original Federal Funding Cycle

Kristin Schrader, Great Lakes Observing System

Mapping Resilience Planning and Implementation in New Jersey's Coastal Communities

Elizabeth Semple, NJDEP, Office of Coastal and Land Use Planning

Mapping Shoreline Change to Inform Coastal Restoration Projects

Elizabeth Semple, NJDEP, Office of Coastal and Land Use Planning

Salt-marsh Loss During Rising Sea Levels, a Change Analysis from Parramore and Cedar Islands, VA, 1957-2012

Julie Sepanik, Oregon Coastal Management Program/George Mason University

Development of the CPRA Oyster Lease Acquisition and Compensation Program (OLACP) – From Litigation to Legislation

Jason Shackelford, GeoEngineers

Evaluating the Effects of *Avicennia germinans* Range Expansion on Eastern Shoreline Bird Communities Along the East Coast of Florida

Michelle Shaffer, University of Central Florida

Can Salt Marshes Survive Feral Hog Disturbance? Assessing the Distribution of, and Ecosystem Resilience to Feral Hog Disturbance in the Southeastern US Salt Marshes

Sean Sharp, University of Florida

Nearshore Fish Community Responses to Shoreline Types in Lake Erie

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Martin Simonson, University of Toledo - Lake Erie Center

Addressing Homeowner Misperceptions About the Effectiveness, Durability, and Cost of Hardened Shorelines: An Analysis of Hurricane Damage in North Carolina
Carter Smith, University of North Carolina at Chapel Hill's Institute of Marine Sciences

Connected Land Conservation Plan of the East Cooper Region of South Carolina
Alex Smith, East Cooper Land Trust and the College of Charleston

What do Skaggs Island and Sagrada Familia Have in Common?
Renee Spent, Ducks Unlimited, Inc.

Applying Historical and Future Climate Extreme Trends to Environmental Issues in Chesapeake Bay
Kari St.Laurent, Delaware Department of Natural Resources and Environmental Control/DNERR

Alternate Approaches to Monitoring the Response of Sediment Load in Coastal Rivers to Mitigation Strategies
John Stamm, U.S. Geological Survey

A Positive of Extreme Weather Events: The Application of Personal Experiences to Promote Community Engagement Across Coastal Watersheds
Lisa Swanger, Coastal Carolina University

Increasing the Resilience of Micronesian Mangroves: A Pilot Project on Pohnpei Island in the Federated States of Micronesia
Chris Swenson, US Fish and Wildlife Service

Greenhouse Gas Fluxes Across More Than a 100-fold Nitrogen Gradient in Coastal Wetlands
Katelyn Szura, University of Rhode Island

EPA's Efforts to Restore Louisiana Barrier Islands: A Historical Perspective and Current Status
Patricia Taylor, EPA Region 6

Identifying and Understanding Nursery Habitats for Exploited Penaeid shrimp to Inform Habitat Rehabilitation
Matt Taylor, Port Stephens Fisheries Institute

Mangrove Restoration Experiences in Yucatan, Mexico
Claudia Teutli-Hernández, CINVESTAV-IPN, Unidad Merida

Vegetative Releases for Beach, Marsh and Estuary Restoration in South Louisiana
Garret Thomassie, USDA/NRCS Golden Meadow Plant Materials Center

Gulf of Mexico Blue Carbon Estimates from Seagrass, Mangrove, Marsh Ecosystems Derivation vs. Riverine and Shelf Carbon Inputs
Anitra Thorhaug, Yale University

Seagrass Restoration Large-Scale Successes in Gulf of Mexico Multi-Decadal Sustainability: Texas, Florida: Endangered Species & Fisheries Reassembly, Carbon Sequestration, Sediment Stabilization
Anitra Thorhaug, Greater Caribbean Energy and Environment Foundation

Monitoring Thin-layer Sediment Application for Sea-level Rise Adaptation in a Southern California Tidal Marsh
Karen Thorne, USGS

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Estuary Data Mapper: A Coastal Information System to Propel Emerging Science and Inform Environmental Management Decisions
Daniel Torre, US EPA ORD AED

The Coastal Zone Soil Survey (CZSS) Initiative
Robert Tunstead, USDA-NRCS

Bringing Ocean Acidification Home: Connecting Regional Stakeholders to Information through the Northeast Coastal Acidification Network
Elizabeth Turner, NOAA National Ocean Service

TE-118 East Timbalier Barrier Island Restoration Project – A Case of Engineering with Nature
Julia Wall, Coastal Protection and Restoration Authority

Curriculum + Community Enterprise for Restoration Science (CCERS): Diverse Teams Collaborate on Middle School Curriculum with Hands-on STEM-C Projects in New York Harbor
Erica Watson-Currie, SmartStart Research & Education

Curriculum + Community Enterprise for Restoration Science (CCERS) in New York Harbor
Erica Watson-Currie, SmartStart Research & Education

Salt Water Intrusion and Legacy Phosphorus Release Between Coastal Farm-marsh Boundaries
Dani Weissman, University of Maryland

Floodplain Design, Construction and Impacts on Flood Insurance
Ryan Werda, Smart Vent Products, Inc.

Implementing Small Dredge Technology as an Effective Countermeasure to Marsh Deterioration and Fragmentation
Karen Wehal, National Audubon Society

Advancing Resilience in Connecticut through Multi-Jurisdictional Regional Frameworks
Adam Whelchel, The Nature Conservancy

Tidal Salt Marsh Restoration at John H. Chafee National Wildlife Refuge, Rhode Island
Jennifer D. White, US Fish and Wildlife Service; Rhode Island NWR Complex

The Wild & This River's Bank
Elizabeth Wilkie, Resident volunteer for Vallejo Watershed Alliance

R/V Patricia Campbell Oyster Restoration Vessel
Karl Willey, Chesapeake Bay Foundation

3D Reefs Do They Work in the Chesapeake Bay?
Karl Willey, CBF

Phased Campus Restoration of St. Anne's Episcopal School of Delaware: Improving Water Quality, Pollinator Habitat and Educational Opportunities
Kerry Wilson, St. Anne's Episcopal School

From Foodwebs to Marshes: Assessing Carbon Sources and Benefits Within the Nisqually River Delta in Puget Sound, WA
Isa Woo, US Geological Survey, Western Ecological Research Center

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BMP Verification: The Chesapeake Bay Program's Basin-wide Framework for Strengthening Confidence in Reported Implementation
David Wood, Chesapeake Research Consortium