

On-Demand Dedicated Sessions

In Alpha order by Moderator Last Name (as of September 1, 2020)

Connecting Science and Management: Helping Salt Marshes Adapt to Climate Change 1. Hydrologic Connections

Moderator: Susan Adamowicz, *Rachel Carson National Wildlife Refuge/USFWS*

- **Holistic Approach to Estuary-Scale and Regional Marsh Restoration**
Peter Phippen, *MA National Estuary Program, Great Marsh Region*
- **Accelerated Sea Level Rise Exposes Legacy Impacts to Hydrology and Drives New Approaches to Habitat Restoration in Salt Marsh**
David Burdick, *Jackson Estuarine Laboratory, Univ. New Hampshire*
- **Restoring Hydrology for Marsh Resiliency**
Nancy Pau, *Parker River National Wildlife Refuge/ USFWS*
- **What Comes First, the Marsh or the Egg? Balancing Successful Saltmarsh Sparrow Reproduction and Marsh Restoration in a Changing Climate**
Bri Benvenuti, *Rachel Carson National Wildlife Refuge/ USFWS*
- **Nesting Micro-Topography for Sparrows: Beneficial Spoil Use**
Lauren Healey, *Parker River National Wildlife Refuge/USFWS*

Connecting Science and Management: Helping Salt Marshes Adapt to Climate Change 2. Sediment Supply

Moderator: Susan Adamowicz, *Rachel Carson National Wildlife Refuge/USFWS*

- **Quantifying the Importance of Storms to Marsh Suspended Sediment Supply**
Sarah Black, *Boston University*
- **Sediment Availability and Sediment Fluxes in Plum Island Sound**
Sergio Fagherazzi, *Boston University*
- **An Overview of Thin Layer Sediment Placement Projects at Two USFWS RI National Wildlife Refuges, and Lessons Learned**
Nick Ernst, *RI National Wildlife Refuge Complex, USFWS*
- **The Extent and Impact of the 2018 Bomb Cyclone Ice Rafting Event**
Duncan M FitzGerald, *Boston University*
- **Natural Sediment Deposition May Guide Applied Resource Management in New England's Salt Marshes**
Gregg E. Moore, *University of New Hampshire*

Connecting Science and Management: Helping Salt Marshes Adapt to Climate Change 3. Effects of Waves & Erosion

Moderator: Susan Adamowicz, *Rachel Carson National Wildlife Refuge/USFWS*

- **Marsh Edge Characteristics Controlling the Distribution and Type of Edge Erosion**
Lucila Houttuijn Bloemendaal, *Boston University*
- **Urban Living Shoreline Project in Salem, MA**
Barbara Warren, *Salem Sound Coastwatch & MassBays*
- **Winter Wave Attenuation across a Tidal Marsh in Newbury, MA**
Madeline Foster-Martinez, *University of New Orleans*
- **Community-Based Eelgrass Restoration in Great Marsh, MA**
Alyssa B Novak, *Boston University*

The Long Island Sound Study: Water-Quality-Partners Monitor Nitrogen Inputs and Impacts

Moderator: James Ammerman, *Long Island Sound Study (LISS)/New England Interstate Water Pollution Control Commission (NEIWPCC)*

- **Nitrogen Loading Analysis of Tributaries to Long Island Sound**
John Mullaney, *United States Geological Survey (USGS)*
- **Groundwater Flow and Nitrogen Transport in Aquifers on the North Shore of Long Island Sound**
Dr. Janet Barclay, *United States Geological Survey (USGS)*
- **Unified Water Study (UWS): Filling the Margins**
Peter Linderoth, *Save the Sound (STS)*
- **IEC Water Quality Monitoring in Western Long Island Sound**
Evelyn Powers, *Interstate Environmental Commission (IEC)*
- **Remote Sensing of Water Quality and Phytoplankton Dynamics across a Vulnerable Urbanized Coastal Ecosystem**
Dr. Maria Tzortziou, *City University of New York (CUNY)*

Interdisciplinary Team Approaches to Climate Adaptation in Northeast Parks, from Vulnerability to Restoration

Moderator: Amanda Babson, *National Park Service*

- **Integrated Vulnerability Assessment Methods across Natural Resources, Cultural Resources, and Facilities Piloted at Coastal Parks**
Amanda Babson, *National Park Service*
- **Inspire Climate Change Resilience and Adaptation through Locally-Scaled Vulnerability Analyses**
Zoe Hughes, *Boston University*
- **The Stone Living Lab - A Partnership for Coastal Resiliency Research in the Field**
Paul Kirshen, *University of Massachusetts Boston*
- **Advancing Modeling and Impact Analysis Tools for Assessing Nor'easter Vulnerability for New England Parks Amplified under the Changing Climate**
Isaac Ginis, *University of Rhode Island*
- **Advancing Modeling and Impact Analysis Tools for Assessing Nor'easter Vulnerability for New England Parks Amplified under the Changing Climate**
Peter Stempel, *Pennsylvania State University*
- **Salt Marsh Ditch Hydrology Restoration at Assateague Island National Seashore**
Casey Nolan, *National Park Service*

System-Scale Approaches to Large Scale Restoration: Scientific and Social

Moderator: Donna Ball, *San Francisco Estuary Institute*

- **Regional Vision: Baylands Goals and Science Update**
Letitia Grenier, *SFEI-ASC*
- **Regional Funding: SFBRA/Measure AA**
Luisa Valiela, *EPA*
- **Regional Permitting Approach: BRRIT**
John Bourgeois, *Environmental Science Associates (ESA)*
- **Regional Adaptation Strategies: Adaptation Atlas**
Julie Beagle, *SFEI-ASC*
- **Regional Monitoring: Wetland Regional Monitoring Plan**
Heidi Nutters, *San Francisco Estuary Partnership (SFEP)*
- **Regional Science Case Study: South Bay Salt Pond Restoration Project Science Framework for Adaptive Management**
Donna Ball, *San Francisco Estuary Institute*

Ghosts of Knauss Past, Present, Future: The John A. Knauss Marine Policy Fellowship

Moderator: Shelby Butz, *Coastal States Organization*

- **The Sea Grant Knauss Marine Policy Fellowship, an Overview**
Maddie Kennedy, *National Sea Grant Office; NOAA*
- **Becoming a Catalyst for Collaboration**
Bari Greenfeld, *USACE*
- **Building Resilience at FEMA and Beyond!**
Janan Evans-Wilent, *Community Infrastructure Resilience Branch, FEMA*
- **Little Fish in a Big Policy Pond**
Shelby Butz, *Coastal States Organization and EPA*
- **A Glimpse Inside the Fellowship from an Outsider**
Bradley Watson, *Coastal States Organization*

Assessment Methods and Actionable Metrics to Enhance Salt Marsh Resilience

Moderator: Jamie Carter, *NOAA Office for Coastal Management*

- **A Massachusetts Perspective on Statewide Salt Marsh Condition Assessment**
Marc Carullo, *Massachusetts Office of Coastal Zone Management*
- **Maine's Ecological Integrity Assessment for Salt Marsh Condition**
Kristen Puryear, *Maine Natural Areas Program*
- **Synthesizing Monitoring Data to Improve Coastal Wetland Management across New England**
Christopher Peter, *Great Bay National Estuarine Research Reserve*
- **Spatially Integrative Metrics Reveal Hidden Vulnerability of Microtidal Salt Marshes**
Neil Ganju, *U.S. Geological Survey, Coastal and Marine Geology*
- **Using Salt Marsh Metrics in the Decision Making Process**
Cory Riley, *Great Bay National Estuarine Research Reserve*

Increased Storms and Rising Seas: Coastal and Riverine Adaptation Techniques to Enhance Ecological and Community Resiliency

Moderator: Caitlin Chaffee, *RI Coastal Resources Management Council*

- **Pocasset River Watershed Flood Resilience Project**
Dean Audet, *Fuss & O'Neill, Inc.*
- **Removal, Retreat and Regrading: Adapting to Sea Level Rise and Erosion along the Coast**
Wenley Ferguson, *Save The Bay*
- **Rhode Island Shoreline Adaptation, Inventory, and Design Project**
Caitlin Chaffee, *RI Coastal Resources Management Council*
- **Designing Coastal Resiliency in South Boston: Moakley Park Case Study**
Julie Eaton, *Weston and Sampson*
- **Dam Removals for Nature Based Fish Passage Projects: Challenges and Lessons Learned**
Stephen Fuller, *SumCo Eco Contracting*

Successfully Navigating a Multi-Year Process and Diverse Stakeholders to Create a National Estuarine Research Reserve, NOAA

- **Lake Superior NERR Site Evaluation Process and Lessons Applied to a Decade of Reserve Operations**
Dr. Patrick Robinson, *University of Wisconsin-Madison*
- **Assessing the Challenges of Proposing a Multi-Component Reserve in Connecticut**
Kevin P. O'Brien, *Connecticut Department of Energy and Environmental*
- **Mission-Aransas NERR - Working with Rural Landowners and the Texas General Land Office**
Sally Palmer, *The University of Texas at Austin's Marine Science*
- **He'eia NERR Advancing Partnerships Following Traditional Native Hawaiian Principles**
Dr. Robert Toonen, *Hawai'i Institute of Marine Biology*
- **The Evolution of NOAA Support for Estuarine Reserve Designations**
Matt Chasse, *NOAA's Office for Coastal Management*

Coastal Restoration as Compensatory Mitigation for Impacts to Aquatic Resources

Moderator: Elisabeth Cianciola, *Massachusetts Department of Fish and Game*

- **Coastal Restoration as Compensatory Mitigation for Impacts to Aquatic Resources**
Elisabeth Cianciola, *Massachusetts Department of Fish and Game*
- **Coastal Restoration as Compensatory Mitigation for Impacts to Aquatic Resources**
Aisling O'Shea, *Massachusetts Department of Fish and Game*

Increased Frequency of Algal Blooms and Climate Change: What's Happening and What's Expected?

Moderator: Maryann Dugan, *NEIWPCC*

- **Harmful Algal Blooms: A Climate Change Co-Stressor In Marine And Freshwater Ecosystems**
Christopher Gobler, *Stony Brook University*
- **Sensor-Based Approaches for Harmful Algal Blooms**
Guy Foster, *United States Geological Survey*
- **Cyanotoxin Occurrence in the United States: A 20 Year Retrospective**
Jennifer Graham, *United States Geological Survey*
- **A Review of the Polluting Effects of Microcystin Contaminated Freshwaters on Estuarine Environments**
Ellen Preece, *Robertson-Bryan Inc*
- **Connecting Domoic Acid Events to Temperature: What Does the Future Hold?**
Raphael Kudela, *University of Southern California*

Quantifying Fish Productivity from Coastal Habitats: Advancing Science and Tools with a Focus on Application

Moderators: Emily Farr and Tara Rankin, *NOAA Fisheries - Habitat*

- **Estimating Fish and Invertebrate Production Associated with Key Coastal Habitats in the United States**
Jonathan Grabowski, *Northeastern University*
- **Putting Science in the Hands of Decision-Makers: A Tool to Apply Habitat Valuation Science to Fisheries Management**
Bryan DeAngelis, *The Nature Conservancy*
- **Oyster Reef Ecosystem Services in the Chesapeake Bay**
Bruce Vogt, *NOAA Chesapeake Bay Office*
- **Estimating Response of Pacific Salmon to Estuarine and Floodplain Restoration through Meta-analysis**
Terill Hollweg, *NOAA Restoration Center*
- **Multidimensional Biodiversity and Functionality of a Foundation Habitat**
Christopher J. Baillie, *East Carolina University*

Facing Tomorrow's Challenges with Today's Tools, Together

Moderator: Ileen Gladstone, *GEI Consultants, Inc.*

- **Avoiding Disaster! How Diverse Stakeholders Came Together to Stabilize Our Riverbank**
Ms. Dinell Clark, *Williamsburg Condominium Association*
- **Designing What Each Site Requires**
Varoujan Hagopian, PE. F.ASCE, *GEI Consultants, Inc.*
- **Walking That Tightrope: Permitting Innovative Designs with Federal, State, and Local Authorities**
Dwight R. Dunk, LPD, *Epsilon Associates, Inc.*
- **Creating Nature-Based Projects, Together: Construction Lessons Learned**
Travis Sumner, *SumCo Eco-Contracting*
- **Sen. Joseph Finnegan Port Norfolk State Park: Owner Perspectives**
See "Additional Information" below, *Massachusetts Dept. Conservation & Recreation*

Silver Jackets and the USACE Flood Risk Management Program: Resources for Coastal Practitioners

Moderator: Bari Greenfeld, *USACE Institute for Water Resources*

- **Overview of the USACE Flood Risk Management Program and Silver Jackets**
Sheila Warren, *USACE New England District*
- **Maine Silver Jackets High Water Mark Initiative**
Jamie Carter, *NOAA Office for Coastal Management*
- **Maryland Silver Jackets: Coastal Projects**
Stacey Underwood, *USACE Baltimore District*
- **Development of the Guam Silver Jackets Team**
Edwin Reyes, *Guam Coastal Management Program*

Selecting and Designing Appropriate Nature-Based Shore Protection Techniques in a Complex Geologic Environment

Moderator: Rebecca Haney, *MA Office of Coastal Zone Management*

- **The Range of Appropriate Nature-Based Shoreline Protection Techniques for a Geologically Diverse Shoreline in Massachusetts**
Rebecca Haney, *Commonwealth of MA, Office of Coastal Zone Mgmt*
- **A Review of the Conditions Needed to Employ Nature-Based Solutions**
Trey Ruthven, *Applied Coastal*
- **A Practitioner's Perspective to Site Analysis, Restoration Design, and Lessons Learned in the Field**
Seth Wilkinson, *Wilkinson Ecological Design*
- **Moderator**
Greg Berman, *WHOI Sea Grant Program*

Comparison of Various Innovative Applications with Oyster Catcher Materials

Moderator: Rick Harter, *WSP/Ecology & Environment, Inc.*

- **Overview of Oyster Catcher™ Development: Scaled Up Use and Expanding Applications**
Niels Lindquist, *Sandbar Oyster Company Inc.*
- **Reef Materials Evaluation Experiment for the Franklin-98 Project**
Josh Adams, *Apalachee Regional Planning Council (ARPC)*
- **Comparing Biodegradable Materials for Oyster Reef Restoration in Florida**
Linda Walters, *University of Central Florida*
- **Hard-Working Volunteers and Soft, Steep Bottoms - Using Oyster Catcher Materials as Part of a Shoreline Protection Solution**
Bo Lusk, *The Nature Conservancy (TNC)*
- **Comparing Abilities of Alternative Substrates to Halt Salt Marsh Erosion and Support Oyster Reef Development**
Emory Wellman, *East Carolina University*

Advancing Stormwater Management with the Providence Stormwater Innovation Center

Moderator: William Helt, *The Nature Conservancy*

- **Stormwater Management at Roger Williams Park**
Brian Byrnes, *Parks & Recreation, City of Providence*
- **Understanding Water Quality in Roger Williams Park and Engaging the Community**
Ryan Kopp, *Audubon Society of Rhode Island*
- **Linking Green Infrastructure to Receiving Water Quality: Flow & Nutrient Flux Assessment**
Kelly Addy, *University of Rhode Island*
- **Every Day Counts: Simpler, More Effective, and Maintainable Stormwater Innovations from Departments of Public Works**
Jamie Houle, *University of New Hampshire*
- **Using RWP to Provide Stormwater Management Education to Visitors and Practitioners**
Meg Kerr, *Audubon Society of Rhode Island*

Addressing Sea Level Rise Impacts upon Environmentally Sensitive Sites

Moderator: Amy Hunt, *EA Engineering, Science, and Technology, Inc., PBC*

- **A Shift in The Climate Impact Paradigm from Response to Mitigation: Adapting to Address Environmental Cleanup Sites**
Mr. Jason McNew, P.E., *Sustainable Remediation Forum*
- **Coastal Hazard Impacts to Solid Waste Disposal Sites: Block Island Landfill Case Study**
Ms. Caitlin Chaffee, *RI Coastal Resources Management Council*
- **Coastal Resiliency Planning for the Natural and Built Environment: Case Study Northern Chesapeake Bay**
Mr. Christopher L. Overcash, P.E., *EA Engineering, Science, and Technology, Inc., PBC*
- **Assessing the Resiliency of the Sachuest Point Remediated Landfill**
Mr. Taber Midgley, P.E., *EA Engineering, Science, and Technology, Inc., PBC*
- **Remediation Projects along Water Bodies: Construction Case Studies**
Mr. Chad Sumner, *SumCo Eco-Contracting, LLC*

The Role Stewardship Plays in Measuring Success of Restoration

Moderator: Karen Hyun, *National Audubon Society*

- **A Win-Win for Birds and Beneficial Use**
Dave Buzan, *Freese and Nichols*
- **The Paul J. Rainey Wildlife Sanctuary in LA as a Living Laboratory for Emerging Restoration and Wildlife Management Research**
Erik I Johnson, *Audubon Louisiana*
- **Lightning Point Restoration in Bayou la Batre, AL**
Mary Kate Brown, *The Nature Conservancy*
- **Restoration of Coastal Preserves Utilizing Beneficial Use and the Need for Continued Restoration for Birds and People**
Abby Darrah, *Audubon Mississippi*
- **Restoration and Stewardship of Regionally Important Bird Nesting Islands in the Tampa Bay Region**
Mark Rachal, *Audubon Florida Coastal Island Sanctuaries*

Coastal Wetland Restoration: Emerging Issues, Innovative Tools, and Evolving Practice with Experiences from Massachusetts

Moderator: Georgeann Keer, *Massachusetts Division of Ecological Restoration*

- **The Cold Brook Eco-Restoration Project: Planning for the Present, Embracing the Future?**
Eric C. Ford, PWS, *MA Dept. of Fish and Game, Division of Ecological*
- **Assessing a Critically Important Environmental Area through a Climate Resiliency Lens**
Sean Duffey, *Massachusetts Office of Coastal Zone Management*
- **Innovative Decision-Making for Tide Gate Management at the Herring River; Cape Cod, MA**
Tim Smith, *Restoration Ecologist, Cape Cod National Seashore*
- **Using Sea Level Affecting Marshes Model (SLAMM) Derivatives to Enhance Coastal Wetland Restoration Goals in Massachusetts**
Marc Carullo, *Massachusetts Office of Coastal Zone Management*
- **Balancing Salt Marsh Restoration with Community Resiliency: Challenges and Approaches from Truro, MA**
Jarrod J. Cabral, *Director, Town of Truro, Department of Public Works*

Applying an Engineering With Nature® (EWN®) Approach to the Restoration of Swan Island in the Chesapeake Bay

Moderator: Jeffrey King, *US Army Corps of Engineers*

- **Setting the Stage: The Need for Island Restoration within the Chesapeake and NWR**
Matt Whitbeck, *US Fish and Wildlife Service*
- **The Swan Island Project: History and Construction**
Danielle Szimanski, *US Army Corps of Engineers, Baltimore District*
- **Ecological Parameters and Associated Sampling**
Jenny Davis, *National Oceanic and Atmospheric Administration*
- **Hydrodynamic Parameters and Associated Sampling**
Joe Gailani, *US Army Engineer Research and Development Center*
- **Sum of the Parts: Ecological Modeling and Tool Development**
Brook Herman, *US Army Engineer Research and Development Center*

Pursuit of Engineering With Nature® (EWN®) Strategies in the New Jersey Back Bays

Moderator: Jeffrey King, *US Army Corps of Engineers*

- **Setting the Stage: New Jersey Back Bays - Defining the System and Historical Pursuit of a Nature-Based Resilience Strategy**
Monica Chasten, *US Army Corps of Engineers, Philadelphia District*
- **Identifying and Visualizing Opportunities for Natural and Nature-Based Features (NNBF) in Regions of the New Jersey Back Bays**
Sean Burkholder, *University of Pennsylvania*
- **Modeling Results for Placement of Large NNBF in the New Jersey Back Bays**
Candice Piercy, *US Army Engineer Research and Development Center*
- **Advancing Science and Practice at the Seven Mile Island Innovation Laboratory (SMIIL)**
Lenore Tedesco, *The Wetlands Institute*
- **The Collaborative Path Forward: Leveraging Opportunities to Implement Nature-Based Strategies in the New Jersey Back Bays**
Ginger Kopkash, *New Jersey Department of Natural Resources*

Lessons Learned: Monitoring Biological Outcomes

Moderator: Amanda Lawrence, *U.S. Fish & Wildlife Service*

- **Uniting Forces: Bringing Ideas Together on Monitoring Biological Outcomes**
Amanda Lawrence, *U.S. Fish & Wildlife Service*
- **Use of Large-Scale Living Shorelines in Protecting Beach Habitat: Monitoring and Lessons Learned in Delaware Bay, New Jersey**
Danielle McCulloch Prosser, *U.S. Fish & Wildlife Service*
- **Shoreline Armor Removal Fulfills Nearshore Ecosystem Restoration Following Large Scale Dam Removal: Elwha Nearshore**
Anne Shaffer, *Coastal Watershed Institute*
- **Lessons Learned from an Amphibian Restoration Project in an Ephemeral Pond System**
Shawn Milar, *U.S. Fish & Wildlife Service*
- **Efforts to Document the Biological Benefit of Restoration Actions for Pacific Salmon - Alaska Pilot Studies**
Michael Daigneault, *U.S. Fish & Wildlife Service*

The Crucial Role of Policy in Coastal Conservation

Moderator: Michelle Lennox,

- **Policy: What Is It and Why Should I Care?**
Susan-Marie Stedman, *NOAA National Marine Fisheries Service*
- **The Development of the NOAA Mitigation Policy**
Katherine Sheppard, *NOAA National Marine Fisheries Service*
- **The Role of Science in Environmental Policy**
Rick Bennet, *U.S. Fish and Wildlife Service*
- **Urban Policies and Wetland Conservation**
William Dooley, *Association of State Wetland Managers*
- Lauren Knapp, *CSS Inc., on contract to NOAA OCM*

How to Submit a Successful Offshore Renewable Energy Project: The Rhode Island Experience

Moderator: Jennifer McCann, *University of Rhode Island Coastal Resources Center and Rhode Island Sea Grant*

- **The Ocean SAMP Overview and the Role of the University**
Jennifer McCann, *URI Coastal Resources Center/RI Sea Grant*
- **The Fisherman's Perspective during Development and Implementation**
Fred Mattera, *Commercial Fisheries Research Foundation*
- **The Developers Perspective**
John O'Keffe, *Orsted*
- **The Regulators Perspective**
Grover Fugate, *RI Coastal Resources Management Council*

Insights and Restoration Policy Applications Derived from Long-Term Monitoring of Estuarine Water Quality

Moderator: Christopher Neill, *Woods Hole Research Center*

- **Leveraging Long-Term Monitoring for Nitrogen Reduction Projects**
Rachel Jakuba, *Buzzards Bay Coalition*
- **Water Quality Monitoring on Cape Cod: Challenges and Successes Establishing a Stakeholder-Driven Water Quality Database**
Tim Pasakarnis, *Cape Cod Commission*
- **Importance of Long-Term Water Quality Data to Understanding Anomalous Events in the Context of Climate Change**
Amy Costa, *Center for Coastal Studies*
- **Climate Change Impacts on Estuarine Water Quality: Trend Analyses of Long-Term Monitoring Data from Waquoit Bay, MA (USA)**
Jordan Mora, *Waquoit Bay National Estuarine Research Reserve*
- **Linking Water Quality Monitoring in San Francisco Bay to Nutrient Management**
Ariella Chelsky, *Environmental Scientist*

Eco-Restoration of Retired Farmlands: Creating Resiliency Supporting America's Estuaries

Moderator: Nick Nelson, *Inter-Fluve*

- **River and Wetland Restoration Increase Coastal and Community Resiliency**
Elizabeth H. Gladfelter, David Gould, *Towns of Falmouth, Mass. and Plymouth, Mass.*
- **Owner Perspectives**
A.D. Colburn, *Falmouth Rod & Gun Club*
- **Strategies for Success and Lessons Learned - Design**
Marty Melchior, *Inter-Fluve*
- **"The Work" to Restoring Cranberry Bogs: Strategies for Success and Lessons Learned**
Travis Sumner, *SumCo Eco-Contracting*
- **Land Trust Perspectives**
Michael Lach, Executive Director, *Harwich Conservation Trust, Harwich, Mass.*

Punching Above Our Weight: The Significance of a Smaller, Single State National Estuary Program to National Coastal Management Efforts

Moderator: Joyce Novak, *Peconic Estuary Partnership*

- **Living on the edge: analysis of Z. marina and potential for restoration**
Bradley Peterson, PhD, *Stony Brook University*
- **Restoring and Monitoring Alewife in the Peconic River**
Elizabeth Hornstein, *Peconic Estuary Partnership*
- **Demonstration of Living Shoreline Restoration Techniques and the Ecological Benefit of Incorporating Ribbed Mussel**
Barry Udelson, *Cornell Cooperative Extension of Suffolk County*
- **Climate Change Planning through Critical Land Protection and Criteria-Based Prioritization**
Lena DeSantis, *Anchor QEA*
- **Regional Partnerships for Land Protection in the Peconic Watershed**
Sarah Schaefer, *Peconic Estuary Partnership*

Long Island Sound Hypoxia 2.0

Moderator: Katie O'Brien-Clayton, *CT Department of Energy and Environmental Protection*

- **Long Island Sound Ambient Water Quality Monitoring Program: Overview and Analysis of Program Data**
Matt Lyman, *Connecticut Department of Energy and Environmental*
- **Harmful Algal Bloom Species Associated with Severe Hypoxia in Long Island Sound, NY: Summer 2019**
Diane I. Greenfield, *City University of New York*
- **Biogeochemical Controls on Pelagic Respiration Rates in Long Island Sound**
Lauren Barrett, *University of Connecticut*
- **Hypoxic Volume as a Water Quality Indicator in Long Island Sound**
James O'Donnell, *University of Connecticut*
- **Integrating Monitoring and Modeling of the Watershed, Groundwater, Embayment, and Open Waters of the Long Island Sound**
Mark Tedesco, *US Environmental Protection Agency*

Long Island Sound Tidal Wetland Restoration: Innovation in a Changing Environment

Moderator: Victoria O'Neill, *New England Interstate Water Pollution Control Commission*

- **Moving with the Marsh: A Marsh Migration Buffer Demonstration**
Juliana Barrett, *Connecticut Sea Grant/UConn Extension*
- **Piloting Salt Marsh Restoration Techniques in NYC**
Rebecca Swadek, *NYC Parks*
- **Stratford Point Living Shoreline: Assessing Carbon Sequestration and Fish Use**
Jo-Marie Kasinak, *University of Connecticut*
- **Connecticut's Coastal Marshes - Then, Now, and the Future**
David Kozak, *CT Department of Energy & Environmental Protection*
- **Incorporating Multiple Restoration Targets for Coastal Habitat Resiliency at the Great Meadows Marsh**
Ashlee Tyce, *EA Engineering, Science, and Technology Inc., PBC*

Building Resilience to Our Natural and Developed Infrastructure

Moderator: Tom O'Shea, *The Trustees*

- **Trustees Marsh Resiliency Project - Scaling up Ditch Remediation and Other Nature-Based Strategies to Help the Great Marsh**
Russ Hopping and Georgeann Keer, *The Trustees and MA DER*
- **A Model for Roads through Coastal Marshes - Argilla Road Case Study**
Frank Ventimiglia, *Town of Ipswich DPW*
- **Designing Adaptive Buildings At-Risk of Flooding near Marshes and Dunes - The Trustees Coastal Education Center Concept**
Sam Batchelor, *DesignLab Architects*
- **Buying Time for Barrier Beaches and Coastal Banks for Public Access and Habitat**
Tara Marden, *Woods Hole Group, Inc.*
- **Trustees' State of Our Coast Report for 13 North Shore Communities**
Tom O'Shea and Brittany Hoffnagle, *The Trustees*

Restoring Wetlands from Farmed Cranberry Bogs in Coastal Massachusetts

Moderator: Sara Quintal, *Buzzards Bay Coalition*

- **Cranberry Bog Restoration: An Opportunity to Re-gain Wetlands in Massachusetts**
Eivy Monroy, *Massachusetts Division of Ecological Restoration*
- **Potential for Nitrogen Removal by Restoring Wetlands on Retired Cranberry Bogs**
Chris Neill, *Woods Hole Research Center*
- **Cranberry Bog Restoration in Advance of Sea Level Rise**
Joshua Wilson, *Fuss & O'Neill, Inc.*
- **Assessing Vegetative Species Re-colonization of Commercial Cranberry Bogs**
Kate McPherson, *Save the Bay*
- **Social and Ecological Benefits of Wetland Restoration: "Just More of Everything"**
Glorianna Davenport, *Tidmarsh Farms and Living Observatory*

Engaging Communities in Resilience through Nature-Based Strategies

Moderator: Kelly Samek, *NOAA National Sea Grant Office*

- **Leveraging Natural Resources toward Resilience: Community-Based Monitoring and Restoration**
Alyson Eberhardt, *New Hampshire Sea Grant*
- **From Science to Adaptation: Developing a Beach Restoration Model to Improve Coastal Resiliency in Santa Monica Bay**
Melodie Grubbs, *USC Sea Grant Program*
- **Putting Green Stormwater Infrastructure to the Test: Seven Years of Research on Soil Media and Vegetation Design**
Stephanie Hurley, *University of Vermont*
- **Green Infrastructure and Flood Insurance: Is There a Connection?**
Niki L. Pace, *Louisiana Sea Grant Law & Policy Program*
- **Credential Training to Promote Sustainable Landscapes**
Amanda K. Rockler, *Maryland Sea Grant*

Updates from the Field: Successes and Challenges in Inter-Agency Efforts to Restore the Maidford River Watershed

Moderator: Elizabeth Scott, *Elizabeth Scott Consulting*

- **Protecting a Salt Marsh of Concern with Circulation Improvements and Thin Layer Deposition**
Charlie Vandemoer, *US Fish & Wildlife Service*
- **Flood Plain Restoration to Increase Maidford River's Flood Storage Capacity: New Meanders and Restored Riparian Buffers**
William Guenther, *Fuss & O'Neill*
- **Getting to "Yes": Building Property Owner and Citizen Support for Flood Plain and Buffer Restoration**
Jed Thorp, *Save the Bay*
- **Using Green Infrastructure and Retrofits to Existing Stormwater Controls to Mitigate Flooding and Improve Water Quality**
Tom O'Loughlin, *Town of Middletown, RI*
- **Reducing Agricultural Pollution: Inter-Agency Coordination to Assist Farmers with Implementing BMPs**
Sara Churgin, *Eastern RI Conservation District*

The Southeast New England Network: Healthy Watersheds, Sustainable Financing, and Long-Term Climate Resilience through Stormwater Management

Moderator: Martha Sheils, *New England Environmental Finance Center*

- **The Southeast New England Network: Empowering Local Communities to Manage Stormwater**
Martha Sheils, *New England Environmental Finance Center*
- **Training and Leadership for Climate Resilience and Stormwater**
Joanne Throwe, *Throwe Environmental*
- **Technical Assistance to Advance Stormwater and Watershed Management**
Elizabeth Scott, *Elizabeth Scott Consulting*
- **Developing a New England Stormwater Retrofit Manual**
James Houle, *University of New Hampshire Stormwater Center*
- **Low Impact Development and Ordinance Review for Sustainability**
Heidi Ricci, *Mass Audubon*

Ecosystem Services Frameworks to Facilitate Watershed-Wide Communication, Management, & Decision Making

Moderator: Emily Shumchenia, *E&C Enviroscope*

- **MassBays Estuary Program: Habitat Targets Tied to Desired Uses and Ecosystem Services**
Prassede Vella, *Massachusetts Bays National Estuary Program*
- **Developing an Integrated Ecosystem Services Framework for the US EPA Southeast New England Program**
Emily Shumchenia, *E&C Enviroscope*
- **Communicating Restoration of Ecosystem Services - A Tampa Bay Example**
Marc Russell, *US EPA*
- **Integrating Climate-Smart Conservation into Our Ecosystem Restoration Program for the Lower Columbia River**
Catherine Corbett, *Lower Columbia Estuary Partnership*
- **Local Solutions to Mitigate Climate Change Impacts on Coastal Ecosystem: Examples from the Southern California Bight**
Martha Sutula, *Southern California Coastal Water Research Project*

Building Community Resilience in New England

Moderator: Curt Spalding, *Institute at Brown for Environment and Society*

- Leah Bamberger, *City of Providence*
- Michelle Paul, *New Bedford*
- Rebecca French, *Connecticut Department of Housing*
- Curt Spalding, *Institute at Brown for Environment and Society*
- Pam Rubinoff, *URI Coastal Resources Center*

Understanding the Risk to Structures and Infrastructure in Coastal RI

Moderator: Malcolm Spaulding, *Ocean Engineering, University of RI*

- **Application of STORMTOOLS Coastal Environmental Risk Index (CERI) to Inform State and Local Planning and Decision Making**
Malcolm L. Spaulding, *Ocean Engineering, University of RI*
- **Development and Implementation of the STORMTOOLS CERI Mobile Application**
Nathan Vinhareiro, *University of Rhode Island Coastal Institute*
- **Assessing Coastal Hazard from Extreme Storms Using a Phase Resolving Wave Model: Application to Narragansett, RI**
Annette Grilli, *Ocean Engineering, University of RI*
- **Shoreline Adaptation Study for Green Hill Pond**
Reza Hashemi, *Ocean Engineering, University of RI*
- **Development and Application of the STORMTOOLS Design Load (SDL) Maps**
Alexa Leone, *Ocean Engineering, University of RI*

Collaborative Stakeholder Engagement for Multi-Jurisdictional Coastal Watershed Resource Planning

Moderator: Danica Warns, *Mass Audubon*

- **What Happens When You Open the Door. . .?**
Bill Napolitano, *SRPEDD*
- **Using Citizen Monitoring to Promote Estuary Rehabilitation**
Steve Silva, *Taunton River Watershed Alliance*
- **The Town of Middleborough, MA, MVP Planning, and Our Waterways**
Tricia Cassidy, *Town of Middleborough Conservation Commission*
- **The City of New Bedford Prioritizing Health of Our Natural Resources**
Ymane Galotti, PE, *City of New Bedford Dept of Public Infrastructure*
- **Regional Green Infrastructure as a Tool for Local Engagement**
Eric Walberg, AICP, *Manomet, Inc.*

On-Demand Individual Presentations

In Alpha order by Presenter Last Name (as of September 1, 2020)

Making Multiple-Decade Multiple-Partner Marsh Restoration Work: A Case Study from Florida

Corey Anderson, *Florida Fish and Wildlife Conservation Commission*

Citizen Science Water Quality Monitoring in Texas: Issues, Solutions, and Lessons Learned

Sandra Arismendez, *The Meadows Center for Water and the Environment*

Trustees Coastal Ed Center Design for Adaptation and Reuse - Designing Adaptive Buildings At-Risk of Flooding near Marshes

Sam Batchelor, *designLAB architects*

Quantifying the Estuarine Nekton Community Response Following Restoration of Coastal Wetlands in Northeast Florida

Jeff Beal, *Florida Fish and Wildlife Conservation Commission*

An Exploration of Restoration Techniques in Degraded Salt Marshes of the Northumberland Strait, Nova Scotia, Canada

Allen Beck, *Clean Foundation*

10 Species, 10 Years Later: A Look at Gulf Restoration after the Deepwater Horizon

Jessica Bibza, *National Wildlife Federation*

50 Years of Conservation at the Virginia Coast Reserve: Local Lessons, Global Impact

Jill Bieri, *The Nature Conservancy*

Real-time Coastal Modeling of Total Water Level-Part 2: Mapping Storm Tide Pathways

Mark Borrelli, *100 Morrissey Blvd*

Planning for Resilience: Marsh Restoration Siting and Design in Currituck Sound, North Carolina

Cat Bowler, *Audubon North Carolina*

Modeling the Potential Impacts of Climate Change on the Hydrology of Forested Headwater Wetlands in the Coastal Plain of VA

Pamela Braff, *NOAA*

A Flood Adaptation Hierarchy for Coastal Management

Alison Branco, *The Nature Conservancy New York*

The Solution to This Pollution Is Bioswales - Greater New Haven's Innovative Approach to CSO Abatement

Douglas Brisee, *Fuss & O'Neill, Inc.*

So Much Data, So Little Time

Tracy Brown, *Save the Sound*

Stabilizing Shorelines on Florida's Nature Coast: For Manatees, Hope Springs Eternal

Michael Burton, *Stantec Consulting Services Inc.*

Engage Diverse Groups of Volunteers to Support a Multitude of Organizational Goals

Rachelle Cardona, *Save The Bay*

Opportunities and Criteria for Restoration of Pocket Estuaries in Puget Sound

Jessica Cote, *Blue Coast Engineering PS IncLLC*

Environmental DNA (eDNA) Facilitates Biological Monitoring in a Gulf of Maine Estuary

Laura Crane, *Wells National Estuarine Research Reserve*

Eastham's Integrated Approach to Nutrient Management - Initial Implementation Results and Next Steps

Jane Crowley, *Town of Eastham*

Reduction of the Gulf of Mexico Hypoxic Zone: Status Report and Prospects for Success

Doug Daigle, *Lower Mississippi River Sub-basin Committee*

Removing Barriers to an Adaptable Louisiana Coast

Christopher Dalbom, *Tulane Institute on Water Resources Law & Policy*

Living Laboratory in the Three Bays Watershed

Casey Dannhauser, *Barnstable Clean Water Coalition*

Real-time Coastal Modeling of Total Water Level-Part 1: Gridded Flooding Forecasts

Joseph DelliCarpini, *NOAA/National Weather Service*

Population Increases Following the Creation of Hard Clam Spawner Sanctuaries in Shinnecock Bay, NY

Michael Doall, *Stony Brook University, School of Marine & Atmospheric Sciences*

Integrating Ecosystem Services Functions and Values into Land-Use Decision Making in the Narragansett Bay Watershed

Paige Dolci, *Mass Audubon*

Reducing Bacteria to Keep Beaches Open Using Porous Pavement in Provincetown, MA

Marc Drainville, *GHD*

Piloting a Living Shoreline Approach to Bank Stabilization in a Macro-tidal River in Nova Scotia's Bay of Fundy

Kirsten Ellis, *CBWES Inc*

Translating Flood Risk Model Projections into Community Support for Coastal Resilience Investments

Joseph Famely, *Woods Hole Group*

Science-Based Salt Marsh Ecosystem Restoration in Elkhorn Slough, Monterey, California

Monique Fountain, *Elkhorn Slough National Estuarine Research Reserve*

Can a Portion of a Manmade Island Be Converted Back to Tidal Wetlands?

Craig Frampton, *Moffatt and Nichol*

A Decade after Deepwater Horizon: Lessons Learned from the Largest Restoration Effort in the U.S.

Amanda Fuller, *National Wildlife Federation*

A Novel Approach Evaluating Water Quality Impacts on Visitation to Coastal Recreation Areas on Cape Cod Using Cell Data

Ryan Furey, *US EPA*

Coordination of Science and Policy in the Fight to Prevent Expansion of Dirty and Dangerous Offshore Oil Drilling

Sarah Giltz, *Oceana*

Tools and Models for Stormwater Risk Assessment

Gregory Granato, *U.S. Geological Survey, New England Water Science Center*

Lessons Learned and Key Results from an Oyster Gardening Citizen Science Program in Great Bay Estuary, New Hampshire

Brianna Group, *The Nature Conservancy in New Hampshire*

Shoreline Property Owner Decision-Making: Feedbacks and Future Trajectory

Amanda Guthrie, *Virginia Institute of Marine Science*

Living with the Bay Coastal Marsh Restoration Project

Erin Hague, *Tetra Tech, Inc.*

The Evolving Scientific Foundation for Regulation of Dissolved Oxygen in Coastal Marine Ecosystems

James Hagy, *US Environmental Protection Agency*

Coastal Ocean Acidification: Challenges and Opportunities to Estuaries and Their Restoration

Dennis Hanisak, *FAU Harbor Branch*

Apalachicola Bay Shoreline Habitats and Resilient Coasts: A Comprehensive GIS Analysis to Identify and Prioritize Restoration

Rick Harter, *WSP/Ecology & Environment, Inc.*

Seagrass Habitat Restoration in West Bay, Florida

Becca Hatchell, *Florida Fish and Wildlife Conservation Commission (FWC)*

Identifying Fish Habitat Conservation Areas along the Atlantic Coast Using GIS Mapping and Analysis

Lisa Havel, *Atlantic Coastal Fish Habitat Partnership*

Quantifying Changes in Marsh Edge Morphology and Rates of Retreat due to Constructed and Restored Oyster Reefs

Sara Hogan, *University of Virginia*

Basement & Backyard Technical Assistance: Engaging Coastal Landowners Directly to Plan for Sea Level Rise

Kirsten Howard, *NHDES Coastal Program*

From Heartland to Coast: Engaging Diverse Partners to Protect Our Water, Wildlife, and Future

Nicole Iadevaia, *Coastal & Heartland National Estuary Partnership*

Florida's Living Shorelines Training Program for Marine Contractors

Fara Ilami, *Florida Fish and Wildlife Conservation Commission*

Sea Level Rise Modeling for Long Beach Local Coastal Program Update

Weixia (Way-Sha) Jin, *Moffatt & Nichol*

Development of a Residential Loan Program for Shore Friendly Projects in Puget Sound

Aimee Kinney, *Puget Sound Institute*

Oyster and Bay Scallop Restoration Projects in Buzzards Bay, MA

Steve Kirk, *The Nature Conservancy*

Identifying Opportunities for Conservation and Restoration in the Chesapeake Bay through a Multi-Scalar Geospatial Analysis

Lauren Klonsky, *CDM Smith*

Modeled and Inferred DO Budgets in an Urban Estuary

Paula Kulis, *CDM Smith*

Deploying Uglie Adult Oysters for Stock Enhancement on a Restored Oyster Reef as a Restoration Strategy in Great Bay, NH

Alix Laferriere, *The Nature Conservancy*

Restoring Blue/Green Infrastructure in a Rural Coastal Region: the York-Piankatank-Mobjack Bay System of Virginia

Andrew Larkin, *NOAA Chesapeake Bay Office*

Local Climate Change Resiliency Building through Flexible Adaptation Pathways: A Cape Cod Case Study

Elise Leduc, *Woods Hole Group*

Greening the Woonasquatucket River Greenway: Clean Water, Environmental Justice, Community Engagement, and Resilience

Alicia Lehrer, *Woonasquatucket River Watershed Council*

Using Virtual Reality to Spark Community Conversations about Climate Adaptation

Kelly Leo, *The Nature Conservancy*

Beyond Benefit-Cost Analysis: Developing Prioritization Tools that Reflect Stakeholder Inclusion

Diane Mas, *Fuss & O'Neill, Inc.*

Use of Natural and Nature-Based Features to Provide Multiple Benefits Increasing Coastal Community Resilience

Pamela Mason, *VIMS*

Oyster Restoration by Design: Creating a Process for Stakeholder Engagement and Public Participation

Trevor Mattera, *Piscataqua Region Estuaries Partnership*

Population Dynamics of Common Forage Fish Species in the Delaware Inland Bays

Andrew McGowan, *Delaware Center for the Inland Bays*

Restoring Upper Narragansett Bay through CSO Abatement: A Progress Report Following Phase II

Eliza Moore, *Narragansett Bay Commission*

Introducing the CoastWise Approach for Tidal Road Crossing Design

Slade Moore, *Maine Coastal Program*

Climate Change Impacts on Estuarine Water Quality: Trend Analyses of Long-Term Monitoring Data from Waquoit Bay, MA (USA)

Jordan Mora, *Waquoit Bay National Estuarine Research Reserve*

Introducing New Hampshire's Risk Tolerance Based Approach for Using Coastal Flood Risk Projections in Decision-Making

Nathalie Morison, *New Hampshire Department of Environmental Services Coastal Program*

Toward Trauma-Aware Risk Communication? A Facilitated Discussion

Susanne Moser, *Susanne Moser Research & Consulting*

Resilience Metrics: Toolkit Demonstration and Practice Session

Susanne Moser, *Susanne Moser Research & Consulting*

The Sediment Needs Strategy for the Texas Coastal Restoration Master Plans

Juan Moya, *Mott MacDonald*

Carbon Dynamics Associated with Stressed and Restored Mangrove Habitats

Ryan Moyer, *FL Fish & Wildlife Conservation Commission*

The Benefits of SAV in the Design of Living Shorelines

David O'Brien, *NOAA National Marine Fisheries Service*

The Coastal Health Index: An Ecosystem Health Assessment for the Gulf of Mexico

Jenny Oakley, *Environmental Institute of Houston, University of Houston-Clear Lake*

Designing Wetlands for Sea Level Rise in Southern California

Conor Ofsthun, *Moffatt & Nichol*

Successes and Failures in Native Plant Propagation for Large-Acreage Transition-Zone Restoration Projects

Jessie Olson, *Save The Bay*

Coastal Zone Soil Survey - An Improved Tool for Coastal Planning

Maggie Payne, *USDA NRCS*

Equitable Resilience: Methods for Socially Equitable Resilience Planning in New Jersey

Sabrina Pereira, *New Jersey Department of Environmental Protection*

Coastal Wetland Restoration: Lessons Learned Planning and Designing Wetlands in Gulf Islands National Seashore (MS)

Matthew Petty, *CDM Smith*

Measuring How Juvenile Fish Respond to Restoration of Freshwater Input to Estuaries on Maui, Hawaii

Kimberly Peyton, *State of Hawaii DLNR DAR*

Oyster Veneers: A Model Approach to Greening Grey Infrastructure

Amanda Poskaitis, *National Wildlife Federation*

Living Shorelines Generation 2.0 - The Pensacola Bay Living Shoreline Project

Matt Posner, *Pensacola & Perdido Bays Estuary Program*

Mitigating Nutrient Impacts on a Stressed Watershed through Construction of a New Ocean Outfall

Lenna Quackenbush, *GHD*

Weweantic River and Estuary Restoration through Removal of Horseshoe Mill Dam, Wareham, MA

Sara Quintal, *Buzzards Bay Coalition*

Exploring the Food-Energy-Water Nexus Approach to Enhance Coastal Community Resilience Planning

Kristin Raub, *University of Vermont*

The Use of Drones in Coastal Restoration Projects: Benefits and Challenges

Andrew C. Reicks, *CDM Smith*

Mitigating Environmental Impacts of the Abandoned Interstate I-95 Embankment across Rumney Marsh in Revere and Saugus, MA

Edward Reiner, *United States Environmental Protection Agency*

The Ecological Enhancement of Coastal and Marine Structures by Implementing Bio-Enhanced Concrete Elements into Design

Andrew Rella, *ECONcrete Inc.*

Charting a Course: How the Town of Surfside, FL Is Using Science to Craft Adaptation Policy

Caroline Resor, *American Flood Coalition*

Innovative Solutions and Regional Collaboration: Lessons Learned from Implementing the Pleasant Bay Watershed Permit

Carole Ridley, *Ridley & Associates, Inc.*

Sustainable Management of End-of-Life Fiberglass Boats

Evan Ridley, *Rhode Island Marine Trades Association*

Habitat Restoration - The Southeast US Guide to Successful Implementation

Thomas Ries, *Environmental Science Associates*

The Protective Value of Nature: A Review of the Effectiveness of Natural Infrastructure

Jessie Ritter, *The National Wildlife Federation*

Regional Collaboration to Advance the Use of Living Shorelines for Coastal Resilience

Eric Roberts, *The Nature Conservancy*

Goffinsville Park Living Shoreline: By the People and for the People

Annie Roddenberry, *Florida Fish and Wildlife Conservation Commission*

Implementing a Water Quality Restoration Program through an Adaptive Management Approach - Falmouth, MA Case Study

Anastasia Rudenko, *GHD*

Using Innovative Approaches for the Restoration of Nutrient Impaired Coastal Estuaries on Cape Cod

Anastasia Rudenko, *GHD*

Restoration in the Time of Corona: Lessons Learned from Louisiana's Barataria Bay

Christa Russell, *Coalition to Restore Coastal Louisiana*

Riparian Buffer Enhancement Using Vegetated Hummocks

Nelson Salisbury, *EarthCorps*

Building Conservation Partnerships with the Recreational Fishing Community

Tim Sartwell, *NOAA Fisheries*

Seagrass and Mangrove Restoration to Support a More Resilient Puerto Rico in the Wake of Hurricanes Irma and Maria

Ben Scheelk, *The Ocean Foundation*

Building Climate Resilience on Cape Cod

Kristy Senatori, *Cape Cod Commission*

The Community Playbook for Healthy Waterways: Take Action to Reduce and Remove Nutrient Pollution

Jennifer Shafer, *Shafer Consulting*

Spatial and Seasonal Variation in Circulation Attributes of Estuaries in the Continental U.S.

Xiao Shen, *Environmental Protection Agency*

Developing a Blue Carbon Offset Project: Lessons Learned

Stefanie Simpson, *The Nature Conservancy*

Reversing Degraded Water Quality through Innovative Stormwater Management and Collaboration at New Hanover County Arboretum

Tracy Skrabal, *North Carolina Coastal Federation*

Using Twitter Analytics to Assess Florida Red Tide Impacts

Andrey Skripnikov, *New College of Florida*

A Modern Profile of the Historic Massachusetts Commercial Fishery: Challenges and Opportunities

Kimberly Starbuck, *Urban Harbors Institute at the University of Massachusetts Boston*

Tracking Climate Resilience to Inform Coastal Restoration Decisions in Chesapeake Bay through Multi-Disciplinary Indicators

Breck Sullivan, *Chesapeake Bay Program*

Creating Change through Active Citizenship

David Tana, *Chesapeake Bay Foundation*

Southeast Asia Tropical/Subtropical Seagrass Restoration Review with Comparative Restoration Longevity

Anitra Thorhaug, *Greater Caribbean Energy and Environment Foundation*

Implementing a Resilient Structure to Protect Coastal and Historic Resources at Brunswick Town/Fort Anderson

Phillip Todd, *Atlantic Reefmaker*

Evaluating How the Habitat Complexity of North Carolina Seagrass Meadows Affects the Faunal Community Composition

Stacy Trackenberg, *East Carolina University*

Planning Better Islands for Texas Colonial Waterbirds

Tam Tran, *Freese and Nichols, Inc.*

Assessing the Impact of an Open-Cycle Power Plant on Local Fish Communities

Corinne Truesdale, *Rhode Island DEM Division of Marine Fisheries*

Nurdles are Invading Our Beaches: Abundance and Distribution of Plastic Pellets across the U.S.

Jace Tunnell, *Mission-Aransas National Estuarine Research Reserve*

NOAA Fisheries Roles and Responsibilities for Offshore Wind Development

Sue Tuxbury, *NOAA Fisheries*

Good for Now, but as Good as Gone: What Climate Change Could Mean for Seagrass Recovery in a Temperate Estuary

James Vasslides, *Barnegat Bay Partnership*

Engineering Design & Modeling for Submerged Aquatic Vegetation Habitat Restoration at the Jean Lafitte National Historical Park

Ryan Waldron, *Stantec*

Applying eDNA Methods for Standardized Assessment and Monitoring of Estuarine Systems

Alison Watts, *University of New Hampshire*

Huntington Beach Wetlands Restoration - Concurrent Multiple Efforts

Christopher Webb, *Moffatt & Nichol*

Coastal Management

Judith Weis, *Rutgers University*.

Long-Term Monitoring of Water Quality Improvement Following Wastewater Treatment Nutrient Reductions

Molly Welsh, *Narragansett Bay Commission*

Salvador Dali to the Design Lab! Restoring a Tidal Herring Run While Filling the Heart of a Beloved Veterans Memorial Lagoon

Nils Wiberg, *Fuss & O'Neill, Inc.*

NOAA Water Initiative Workshop Series: Findings from the Field

Nate Woiwode, *The Nature Conservancy*

Improving the Coastal Resiliency of Dr. Bottero Road and Chapin Beach, Dennis, MA

Craig Wood, *ESS Group, Inc.*

Park-As-Lab: A Community-Based Platform for Ecological Data Distribution

Jacqueline Wu, *Randall's Island Park Alliance*

The Cape Fear River Locks and Dams - A National Model for Restoring Historic Access to Anadromous Fish Spawning Habitat

Dawn York, *Moffatt and Nichol*

Engaging the Next Generation in Living Shorelines

Jake Zehnder, *Brevard Zoo's Restore Our Shores program*

Vegetative Response to Beneficial Reuse of Dredge Sediment to Restore Marsh Platform at Three Sites in Southern NJ

Adrianna Zito-Livingston, *The Nature Conservancy*

On-Demand Posters

In Alpha order by Presenter Last Name (as of September 1, 2020)

Impacts of Microplastics on Fish Communities in the Connecticut Quinnipiac River and New Haven Harbor

Peter Abate, *University of New Haven*

Facilitating synergy between imperiled species conservation and coastal resiliency

Michael Allen, *Rutgers University*

Vegetative Community and Health Assessment of a Constructed Juncus-dominated Salt Marsh in the Northern Gulf of Mexico

Patrick Biber, *The Univ of Southern Mississippi*

Flood Glossary: Design Thinking to Create a Common Language

Anna Brackett, *Maryland Institute College of Art*

Linah Sedeek (co-presenter), *Maryland Institute College of Art*

Evaluation of Wave Attenuation Characteristics of an Oyster Castle Breakwater System

DanaRose Brown, *Stevens Institute of Technology*

Coastal Ecological Restoration

David Buzan, *Freese and Nichols, Inc.*

Nearshore Fish Use and Restoration in Fidalgo Bay 2015-2020

Matthew Castle, *Samish Indian Nation*

Restoration and Invasive Species Available via E-commerce

Lyndsey Chute, *CEELAB*

Vegetation response following dredged material placement and management efforts in a coastal marsh area in New Jersey

Samantha Collins, *The Wetlands Institute*

Impacts of oyster reef restoration on threatened and endangered bird populations in Mosquito Lagoon

Jessica Copertino, *University of Central Florida*

Accessing Citizen Science Data for Decision Making

Pam DiBona, *Massachusetts Bays National Estuary Partnership*

Not So Shellfish After All: How Native Oysters (*Ostrea Lurida*) May Aid Eelgrass (*Zostera Marina*) Restoration by Nitrogen Filtration

Mason Emery, *CSU Fullerton*

Restoration Methods for a Successful Mangrove Living Shoreline

Rebecca Fillyaw, *University of Central Florida*

Quantifying legacy mercury remobilization associated with wetland restoration in San Francisco Bay

Amy Foxgrover, *US Geological Survey*

Do restoration scientists and their volunteers directly contribute to microplastic pollution in our coastal waters?

William Giles, *University of Central Florida*

Development of a Coastal Management Plan for Prince Edward Island National Park

Esther Gomes, *CBCL Limited*

Drones and Dykelands: How Drones are Informing the Managed Realignment of Dyke Infrastructure and the Restoration of Tidal Wetlands

Jennie Graham, *CBWES Inc.*

Tidal Marsh Recovery After Thin-Layer Placement Restoration in New England

Amber Hardy, *University of Rhode island*

Evaluating Natural 'Capital' as an Economic Driver

Nicole Iadevaia, *Coastal & Heartland National Estuary Partnership*

A Vulnerability Assessment for Climate Effects on the Habitats of Living Marine Resources in the Northeast U.S.

Michael Johnson, *National Oceanic and Atmospheric Administration*

North of Boston's Blue Economy & Coastal Resilience Opportunities

Katie Kahl, *UMass Amherst Gloucester Marine Station*

Permitting Challenges for use of Soft Shoreline Solutions in Puget Sound

Kathryn Ketteridge, *Blue Coast Engineering, LLC*

Development of a novel technology to restore coastal ecosystems affected by micro- and macro-plastic pollution.

Jean-David Lantagne, *Hoola One Technology and University of Sherbrooke, Canada*

Shell Day 2019: Engaging community science groups to monitor vulnerability to acidification in New England coastal waters

Matthew Liebman, *US EPA Region 1*

Explore the Salish Sea Curriculum, raising the next gen. with estuary-based science

Mira Lutz Castle, *SeaDoc Society*

Tropicalization on the Texas Coast: Black mangrove dynamics in the Mission Aransas NERR

Miranda Madrid, *University of Texas Marine Science Institute*

Leveraging Transportation Budgets to Implement Tidal Restoration at Road Stream Crossings in NY

Nicole Maher, *The Nature Conservancy*

Key Policy Recommendations from EESI's new report on coastal climate adaptation in the United States

Anna McGinn, *Environmental and Energy Study Institute*

Monitoring Nekton Biodiversity at the Delaware National Estuarine Research Reserve

Michael Mensinger, *Delaware Department of Natural Resources & Environmental Control/Delaware National Estuarine Research Reserve*

A decade of change: Assessing local variability in tidal wetland resilience to sea level rise indices in South Slough Estuary, OR

Sommer Meyer, *University of Rochester/NOAA Hollings Intern*

Using Parasite Diversity to Quantify the Success of Coastal Habitat Restoration

Christopher Moore, *East Carolina University*

Impacts of sea level rise on tidal marsh habitats and carbon sequestration in the Pacific Northwest

Monica Moritsch, *United States Geological Survey*

Challenges and opportunities for scaling up intertidal wetland creation in the UK

Hannah Mossman, *Manchester Metropolitan University*

Cultivating Oysters and Volunteers - How to Develop Better Volunteers

Michael Niebuhr, *Galveston Bay Foundation*

Imagine the Wall

Jessica Norris, *Biohabitats*

Optimizing for Tide Gate Replacement: A Tool for Coastal Working Lands

Jason Nuckols, *The Nature Conservancy*

Harmful algal bloom-associated biotoxins and health in green sea turtles (*Chelonia mydas*) in Florida

Annie Page-Karjian, *Florida Atlantic University, Harbor Branch Oceanographic Institute*

Assessing the effectiveness and potential resiliency of living shorelines in mesohaline Chesapeake Bay

Cindy Palinkas, *University of Maryland Center for Environmental Science*

Where can I Find Great Photos?

Will Parson, *Alliance for the Chesapeake Bay*

RIDOT's Approach for Optimizing Stormwater Treatment

Mark Pereira, *Fuss & O'Neill*

Building Resilience to Coastal Hazards through a Community of Practice

Melanie Perello, *Minnesota's Lake Superior Coastal Program, MNDNR*

Effects of Concrete Tile Surface Shell Cover and Texture on the Recruitment of Native and Non-Native Oysters in San Diego Bay, CA

Bryce Perog, *California State University, Fullerton*

A Rapid Assessment of Tidal Wetlands in the Maryland Coastal Bays' Watershed

Katherine Phillips, *Maryland Coastal Bays Program*

Spatial Modeling of Blue Carbon Stocks in Southwest Florida Coastal Wetlands

Kara Radabaugh, *Florida Fish and Wildlife Conservation Commission*

Assessing Vertebrate Abundance, Behavior, and Impact on a Living Shoreline Through Wildlife Camera Analysis

Julia Rifenberg, *University of Central Florida*

A New Approach to Coastal Watershed Habitat Master Planning

Doug Robison, *Environmental Science Associates*

Bioreactors for enhanced nitrogen removal in coastal cranberry farms

Rachel Rubin, *Mount Holyoke College*

Revegetation Success of Native Species Following Chemical Treatment of Invasive European Common Reed

Scott Snell, *USDA-NRCS Plant Materials Program*

Assessing Coastal Carbon Variability in two Delaware Tidal Marshes

Kari St.Laurent, *Delaware Department of Natural Resources and Environmental Control*

Determining the fate of land-derived nitrogen in salt marshes using a large-scale ¹⁵N isotope tracer experiment

Hillary Sullivan, *Woods Hole Research Center/Northeastern University*

Assessing variations in blue carbon sequestration in tidal estuarine wetlands along a salinity gradient

Mackenzie Taggart, *Coastal & Estuarine Studies Lab- UNCW*

Biological Monitoring of Distinct Habitats Within the Great Bay Estuary with environmental DNA

Devin Thomas, *University of New Hampshire*

Integrating Social Science with Natural Sciences in Louisiana

Grace Tucker, *Environmental Defense Fund*

Living Shorelines - A Look at "hard" Solutions from a Fish Habitat Perspective

Alison Verkade, *NOAA-NMFS-GARFO-Habitat*

Shoreline Management BMP Verification for Chesapeake Bay TMDL Pollutant Reduction Credits

Aaron Wendt, *Virginia Department of Conservation and Recreation*

Understanding the Response of Estuarine Wetlands to Anthropogenic Disturbances at the Delaware NERR

Christina Whiteman, *Delaware Department of Natural Resources and Environmental Control - DNERR*

Using Ground Based and Remote Sensing Data to assess the Vegetative Recovery of the Prime Hook NWR Ecosystem Restoration

Bartholomew Wilson, *Coastal Delaware Wildlife Refuge Complex*

Development of a Sediment Management Plan for Coastal Texas

Ben Wilson, *Texas General Land Office*

Establishing a Tidal Creek Hydrogeomorphic Metric for Reference Wetlands

Metthea Yepsen, *The New Jersey Department of Environmental Protection*