



EBC Ocean and Coastal Resources Program 3rd Annual Living Shorelines Conference

Thursday, October 11, 2018

Battelle | Norwell, Massachusetts

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AGENDA

- 8:00 a.m. Welcome:** Lisa Lefkovitz, Vice Chair, EBC Ocean and Coastal Resources Committee
Senior Research Scientist, Battelle
- Program Introduction and Overview**
- Stacy Minihane, PWS, MVP, Program Co-Chair
Senior Associate, Beals + Thomas
- 8:10 a.m. Advancing Nature Based Solutions for Risk Reduction & Resilience in New England**
- Alison Bowden, Conservation Director, Rivers, Coasts & Oceans
The Nature Conservancy
- 8:50 a.m. Living Shorelines: Habitat and Shoreline Protection Benefits**
- Michael Johnson, Marine Habitat Resource Specialist
NOAA Fisheries, Habitat Conservation Division
- 9:30 a.m. Implementation and Monitoring of Nature-Based Coastal Resilience Projects in Massachusetts**
- Julia Knisel, StormSmart Coasts Manager
Massachusetts Office of Coastal Zone Management
- 10:10 a.m. Networking Break**
- 10:40 a.m. Lessons Learned with Salt Marsh Restoration**
- Seth Wilkinson, President & Restoration Ecologist
Wilkinson Ecological Design, Inc.

11:20 a.m. Panel Discussion

Panel Moderator: Matthew Creighton, PWS, MVP Program Co-Chair
Senior Associate / Coastal Scientist, BSC Group

Panel Members:

- Alison Bowden, The Nature Conservancy
- Kathryn Ford, Division of Marine Fisheries
- Michael Johnson, NOAA Fisheries, Habitat Conservation Division
- Julia Knisel, MA Office of Coastal Zone Management
- Lealdon Langley, Division of Wetlands & Wastewater Programs, MassDEP
- Seth Wilkinson, Wilkinson Ecological Design, Inc.

12:00 p.m. Adjourn

PROGRAM CO-CHAIRS

Matt Creighton, PWS, MVP, Senior Associate / Coastal Scientist
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Matt Creighton, PWS, MVP is a coastal ecologist and wetland scientist with 15 years of experience supporting a range of coastal projects, including municipal dredge programs, land stewardship and management planning, and private development. Based on Cape Cod, much of Matt's work has been focused on resiliency planning, beach and dune stabilization, beach nourishment, and wildlife and habitat protection. Matt is a Professional Wetland Scientist and has provided peer review services for Massachusetts conservation commissions. He has also supported the Massachusetts Department of Transportation and various energy providers in developing strategy and applications for complex permitting assignments.

Stacy H. Minihane, PWS, MVP, Senior Associate
Beals and Thomas, Inc.
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Stacy is the leader of B+T's Planning and Environmental Services Discipline and Planning and Permitting Group. She has over 15 years of experience with local, state and federal permitting processes, wetland science and environmental research, and she is adept at the preparation and oversight of complex reports and permitting documentation. Stacy is also a member of her local Conservation Commission, provides project peer review services for various Conservation Commissions in Massachusetts, and is active in various state wetland organizations, as well as the international Society of Wetland Scientists. Most recently Stacy acted as the Professional Wetland Scientist for the Rivers End Salt Marsh Creation and Soil Remediation project on the Acushnet River in New Bedford.

Brandon Raymond, PE, Coastal Engineer
Geosyntec Consultants
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Brandon Raymond is a Coastal Engineer based in Massachusetts with over eight years of experience focused on modeling, designing, and constructing coastal engineering and sediment remediation projects. His experience includes analysis and numerical modeling of coastal processes, including wave transformation, beach morphology and nearshore circulation; design of both hard and soft shore protection projects; and modeling of hydrodynamics, waves, and sediment transport in rivers, lakes, open coasts, and estuarine systems. Brandon is also an active member of the New England Environmental Business Council, serving on the Ocean and Coastal Resources Planning Committee. He is also a member of the American Shore and Beach Preservation Association and the Boston Chapter of Coasts, Oceans, Ports, and Rivers Institute of the American Society of Civil Engineers.

SPEAKERS

Alison Bowden, Conservation Director, Rivers, Coasts & Oceans
The Nature Conservancy
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Alison is an ecologist who builds collaborative solutions to environmental challenges at multiple scales (local to global), integrating ecological, social and economic values. Key current focus areas are mainstreaming nature-based solutions to improve water quality and resilience to extreme weather, and crafting holistic approaches to restore fish populations, linking aquatic habitat and fisheries management.

Kathryn Ford, PhD, Habitat Program Manager
Massachusetts Division of Marine Fisheries
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Kathryn manages the Mass Division of Marine Fisheries Habitat Program which conducts environmental review, habitat research, and ocean planning. The Habitat Program reviews several hundred coastal development projects each year and develops recommendations to avoid impacts from construction on marine fisheries resources. The Program also has active research programs focused on eelgrass, marshes, and artificial reefs. Dr. Ford's research focuses on seafloor mapping using acoustic and optical imagery and her most recent projects are in Duxbury Bay and Salem Sound. She serves on several committees including the Science Advisory Council for Mass Ocean Planning, the New England Fishery Management Council Habitat PDT, the Northeast Regional Planning Body, and the Massachusetts Offshore Wind Task Force.

Julia Knisel, StormSmart Coasts Manager
Massachusetts Office of Coastal Zone Management
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Julia manages the StormSmart Coasts Program for the Massachusetts Office of Coastal Zone Management, which connects communities with information, tools and other resources to help address erosion, flooding and coastal storm impacts. She coordinates with state and regional partners to advance nature-based approaches and assist communities with implementation of adaptation strategies.

Michael Johnson, Marine Habitat Resource Specialist
NOAA Fisheries, Habitat Conservation Division
Greater Atlantic Regional Fisheries Office
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Mike is a marine ecologist with nearly 30 years of research and resource management experience in marine and coastal ecosystems from Florida to Maine. He has worked for NOAA Fisheries' Habitat Conservation Division in Gloucester, MA since 2002. In addition to his experience evaluating habitat and resource impacts for coastal development projects, he has over 15 years of experience investigating and writing about the effects of climate change on coastal habitats and resources. Mike has served on several climate change committees and work groups in his hometown of Ipswich, MA, where he helped develop greenhouse gas emission inventories, and climate action and adaptation plans.

Lealdon Langley, Director, Division of Wetlands & Wastewater Program
Massachusetts Department of Environmental Protection
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Lealdon Langley is the Director of the Wetlands and Wastewater Program of the Massachusetts Department of Environmental Protection where he is responsible for the Statewide Implementation of the Wetlands Protection Act, Section 401 of the Clean Waters Act and the Wetlands Conservancy Mapping Program. Lealdon's duties were expanded in 2017 to also supervise MassDEP's Wastewater Programs including Title 5, NPDES (Surface Water Discharge Program), and the Groundwater Discharge Program.

Seth Wilkinson, MALD, President & Restoration Ecologist
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Considered one of the regional experts and a frequent instructor in the field of bioengineering and ecological restoration, Seth Wilkinson, a Certified Ecological Restoration Practitioner, has been a leader in hundreds of ecological restoration projects for land trusts, conservation commissions and private individuals in the last decade. Whether through the use of innovative equipment to manage invasive species or the inspired blending of bioengineering products with native plants, Seth and his team at Wilkinson Ecological Design continue to improve the practice and integrity of ecological restoration.

UPCOMING EBC PROGRAMS

OCTOBER 2018

October 17 – Rhode Island Program: Briefing by the Rhode Island DEM Section Chiefs
October 17 – Ascending Professionals Committee Program Planning Meeting
October 17 – Ascending Professionals Professional Development Series: Wetlands Permitting
October 18 – Energy Resources Program: Update on Energy Initiatives from MA State Agencies
October 24 – Program Series with MassDEP Regional Leadership: Northeast Region
October 26 – Climate Change Program: The Case for Putting a Price on Carbon

NOVEMBER 2018

November 2 – Infrastructure Program: What is Blockchain and the Transactive Energy Platform?
November 8 – Program Series with MassDEP Regional Leadership: Western Region
November 9 – Ocean & Coastal Resources Program: 12th Annual Dredging Conference
November 14 – Evening Program: Briefing from Fred Laskey, Executive Director, MWRA
November 16 – Climate Change Program: Climate Adaptation and Resiliency for Utilities
November 28 – Ocean and Coastal Resources Committee Program Planning Luncheon
November 30 – Climate Adaptation Forum: Lessons from Puerto Rico and Local Preparation

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