



EBC 3rd Annual Coastal Construction Conference **Scratching the Surface: Collaboration, Implementation, and Lessons Learned**

Friday, April 30, 2021

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Program Co-Chairs

Adam Finkle, Coastal Scientist, Woods Hole Group
Jonathan Gawrys, Restoration Team Lead, SumCo Eco-Contracting, LLC

AGENDA

- 9:00 a.m. **Welcome:** Payson Whitney, Chair, EBC Ocean & Coastal Resources Committee
Vice President, ESS Group, Inc.
- Program Introduction & Overview – What you will learn**
- Adam Finkle, Program Co-Chair
Coastal Scientist, Woods Hole Group
 - Jonathan Gawrys, Program Co-Chair
Restoration Team Lead, SumCo Eco-Contracting, LLC
- 9:10 a.m. **The Range of Appropriate Nature-Based Shoreline Protection Techniques for a Geologically Diverse Shoreline in Massachusetts**
- Rebecca Haney, Coastal Geologist, Office of Coastal Zone Management
Commonwealth of Massachusetts
- 9:30 a.m. **Salt Marsh Restoration in Rhode Island, Challenges & Lessons Learned**
- Andrew Timmis, Director of Business Development – Environmental Group
JF Brennan Company, Inc.

- 9:50 a.m. **Teaming Up with Nature: Journeys in Interdisciplinary Collaboration**
- Jonathan Gawrys, Restoration Team Lead, SumCo Eco Contracting, LLC
- 10:10 a.m. **Networking Opportunity**
- 10:25 a.m. **Break**
- 10:30 a.m. **Integrating Design, Construction, Monitoring and Maintenance**
- Dan Stapleton, Senior Vice President, Senior Principal
GZA GeoEnvironmental, Inc.
- 10:50 a.m. **Barnstable County Dredge: A Program Overview & Project Highlights and Challenges**
- Ken Cirillo, Director, Barnstable County Dredge Program
- 11:10 a.m. **Nature-Based Coastal Resilience Measures on Duxbury Beach**
- Brynna McGlathery, Assistant Director, Duxbury Beach Reservation
- 11:30 a.m. **Moderated Discussion**
- Panel Moderator: Adam Finkle, Program Co-Chair
Coastal Scientist, Woods Hole Group
- Panelists:
- Ken Cirillo, Barnstable County Dredge Program
 - Jonathan Gawrys, SumCo Eco Contracting, LLC
 - Rebecca Haney, Massachusetts CZM
 - Brynna McGlathery, Duxbury Beach Reservation
 - Dan Stapleton, GZA GeoEnvironmental, Inc.
 - Andrew Timmis, JF Brennan Company, Inc.
- 12:00 p.m. **Adjourn – Closing Comments – Payson Whitney**

PROGRAM CO-CHAIRS

Adam Finkle, Coastal Scientist
Woods Hole Group, Inc.
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Mr. Adam Finkle is a Coastal Scientist with the Woods Hole Group, focused on designing, permitting, and facilitating the implementation of ecological restoration and coastal resiliency projects throughout New England. His work involves identifying key vulnerabilities and developing effective adaptation strategies for coastal communities, non-profit organizations, and private homeowners. Mr. Finkle is familiar with the local Conservation Commission permitting process as well as State and Federal environmental permitting. As a Professional Wetland Scientist (PWS) and Certified Ecological Restoration Practitioner (CERP), he has experience conducting coastal resource area delineations, wetland delineations, and developing restoration planting plans. Mr. Finkle earned an M.S. in Sustainability Science from the University of Massachusetts, Amherst.

Jonathan Gawrys, Restoration Team Lead
SumCo Eco Contracting, LLC
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As SumCo Eco's Ecological Restoration Team Lead, Jonathan leads SumCo's landscaping, bioengineering and ecological construction activities, having joined the firm in 2007. Jonathan supports SumCo Eco's Construction Team Leads' landscaping needs, while also serving direct clients on a diverse array of projects from native plantings to living shoreline construction. Jon is a Licensed Massachusetts Pesticide Applicator; Licensed Massachusetts and Rhode Island Hoisting Engineer; Invasive Plant Management Certified (UMass Extension), and an Associate/Member of the Society of Wetland Scientists, Ecological Landscaping Alliance, and International Erosion Control Association.

SPEAKERS

Ken Cirillo, Director
Barnstable County Dredge
3195 Main Street, Barnstable, MA 02630
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Mr. Ken Cirillo is the Director of the Barnstable County Dredge department where he oversees the departments two hydraulic dredges and crews. The County's dredge provides dredging services for the towns on Cape Cod and is celebrating its 25th year. While new to this position, Ken has been in the marine electronics industry for 30 years starting off with C-MAP as the VP & General Manager then several years with Garmin International as the Global Cartography Manager.

Rebecca Haney, Coastal Geologist
Office of Coastal Zone Management
Commonwealth of Massachusetts
251 Causeway Street, Suite 800, Boston, MA 02114-2138
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Rebecca Haney is the coastal geologist and Certified Floodplain Manager with the Massachusetts Office of Coastal Zone Management. Her responsibilities include research and policy development for coastal hazards; providing technical assistance to coastal communities, other agencies, and the public on issues related to coastal geology, physical processes and techniques for mitigating impacts to coastal resources, and providing technical support and oversight to the Coastal Resiliency Grant Program. She received a Bachelor's degree in Geology from Smith College and a Masters degree in coastal geology from the University of South Florida. She has been with CZM for over 27 years.

Brynna McGlathery, Assistant Director
Duxbury Beach Reservation
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Brynna McGlathery is the Assistant Director at the Duxbury Beach Reservation, Inc., the non-profit organization that owns and maintains 4.5 miles of Duxbury Beach on the South Shore of MA. Brynna has been working with MA non-profits with a focus in coastal ecology since graduating from Tufts University with a BS in Biology and Environmental Science. At the Reservation, she works with regulators, consultants, and other partners on permitting, planning, prep, and execution of nature-based coastal resilience projects implemented on the beach.

Dan Stapleton, Senior VP, Senior Principal
GZA GeoEnvironmental, Inc.
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Dan has professional degrees in geology, civil and geotechnical engineering and ocean engineering and 35 years of professional experience. He is a Senior Principal and expert in coastal engineering including coastal processes and shoreline and flood protection using hard, hybrid and natural and nature-based systems. As an

expert in coastal resiliency, Dan has extensive experience in: 1) characterizing coastal hazards (wind, tides, storm surge and waves) under current and future climate conditions; 2) integrating numerical modeling with the design of coastal structures and shoreline protection; and 3) designing coastal protection hybrid systems that integrate natural and nature-based systems. He has overseen the coastal hazard characterization of major coastal regions of the U.S., including: 1) meteorological and climatological analyses; 2) numerical hydrodynamic modeling; 3) statistics and probability analyses; 4) development of hydrodynamic and wave loads; and 5) coastal processes (e.g., sediment transport).

Andrew Timmis, Director of Business Development – Environmental Group
J.F. Brennan Company, Inc.
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Andrew Timmis is the Director of Business Development – Environmental Group for JF Brennan. His primary responsibility is the development of private sector environmental projects for JF Brennan. Mr. Timmis has a BA from Plattsburgh State University College in Environmental Resources Management and Planning. He started his career as the youngest full-time Town Planner in the country in Waterboro ME. Over the past 30 years he has worked for a number of environmental remediation companies, including Griffin Dewatering, Clean Harbors, Marcor, D.A. Collins and Cashman Dredging, providing technical support for dredging, capping as well as soil and groundwater remediation projects across the country.

UPCOMING EBC PROGRAMS

MAY 2021

May 5: Water Resources Leadership Webinar – US EPA and New England State Water Leadership
May 6: Connecticut Webinar – Revisions, Revisions, Revisions – Final, Released, and in Development
May 7: Site Remediation Webinar – In Situ Remediation – State of the Practice
May 10: Solid Waste Management Committee Virtual Program Planning Meeting
May 10: Connecticut Chapter Virtual Program Planning Meeting
May 11: Professional Development Webinar – MA Wetland & Stormwater Updates – Construction Sites
May 12: Emerging Contaminants Webinar – PFAS Legal Issues – What Do We Need to be Aware of?
May 13: Ocean and Coastal Resources Webinar – CAD Cells
May 14: Energy Resources Webinar – Update from the Massachusetts Clean Energy Center Leadership
May 17: TSCA & PCB Working Group Virtual Program Planning Meeting
May 18: Emerging Contaminants Webinar – Beyond PFAS – Other Concerning Emerging Contaminants
May 19: Leadership Webinar – Meet the MEPA Office Director Tori Kim
May 20: Climate Change Webinar – Living with Heat / Green Infrastructure
May 21: Water Resources Webinar – “What Keeps You Up at Night?” – Water Utilities in New England
May 24: Water Resources Committee Virtual Program Planning Meeting
May 24: Emerging Contaminants Working Group Virtual Program Planning Meeting
May 25: New Hampshire Webinar – Shining a Light on Solar Power Obstacles and Opportunities
May 26: Professional Development Webinar – Project Management 201 – Key Elements
May 27: Leadership Webinar – Update from the U.S. Army Corps New England District Leadership

JUNE 2021

June 7: Energy Resources Committee Virtual Program Planning Meeting
June 7: Dam Management Committee Virtual Program Planning Meeting
June 10: 28th Annual EBEE Awards Celebration
June 21: Ocean and Coastal Resources Committee Virtual Program Planning Meeting