



**EBC 11<sup>th</sup> Annual Dredging Conference  
Beneficial Use of Dredged Material**

Friday, October 27, 2017

Battelle | Norwell, Massachusetts

**AGENDA**

- 8:00 a.m. Welcome**
- Payson Whitney, Chair, EBC Ocean and Coastal Resources Committee  
Vice President, ESS Group, Inc.
- Introduction and Program Overview**
- Lisa Lefkovitz, Program Chair and Moderator  
Vice Chair, EBC Ocean & Coastal Resources Committee  
Senior Research Scientist, Battelle
- 8:15 a.m. Beneficial Re-use of Sediment and State Regulatory Programs**
- Lealdon Langley, Director, Wetlands and Waterways Program  
Massachusetts Department of Environmental Protection
- 8:40 a.m. Innovative Use of Processed Dredged Material (PDM) as Structural Fill**
- Steve Sands, Executive Vice President, Clean Earth Inc.
- 9:05 a.m. Town of Sandwich Sand Bypassing Project**
- Dave Walsh, Senior Project Manager/Coastal Scientist  
Woods Hole Group
- 9:30 a.m. Oak Island Natural Recolonization Approach for Marsh Restoration**
- Allan Fowler, Senior Principal, Geosyntec Consultants, Inc.
- 10:00 a.m. Networking Break**
- 10:20 a.m. Rhode Island South Shore Habitat and Community Resiliency Project**
- Caitlin Chaffey, Coastal Policy Analyst  
Coastal Resources Management Council, State of Rhode Island

- 10:45 a.m. Beneficial Use of Dredged Materials for Resilient Tidal Marsh Restoration and Creation: Workshop Outcomes**
- Rebecca French, Director of Community Engagement  
Connecticut Institute for Resilience and Climate Adaptation
- 11:10 a.m. Panel Discussion – How to Facilitate Beneficial Use Projects**
- Panel Moderator: **Lisa Lefkovitz**, Battelle
- Panel Members:
- Robert Boeri, MA CZM
  - Norm Farris, US Army Corps of Engineers
  - Lealdon Langley, MA DEP
  - Caitlin Chaffey, RI CRMC
- 12:00 p.m. Adjourn – Closing Remarks – Payson Whitney**

## **PROGRAM CHAIR**

**Lisa Lefkovitz**, Senior Research Scientist  
Battelle  
141 Longwater Drive, Suite 202, Norwell, MA 02061  
781.681.5521 | lefkovitzl@battelle.org

Ms. Lefkovitz is currently a Senior Research Scientist with Battelle Memorial Institute. Her background is in environmental chemistry with more than 25 years of experience in the design and management of chemical and biological evaluations of sediments and dredged materials and the fate and transport of organic and inorganic contaminants in the environment. Ms. Lefkovitz has managed numerous sediment related projects testing dredged material for suitability determinations for offshore sediment disposal, preparing NEPA documents to support dredging related activities, characterizing pre and post dredged conditions to determine the effectiveness of dredging as a remedial option and is actively involved in studies investigating the use of passive samplers for monitoring organic contaminants in aquatic environments. Ms. Lefkovitz is active in the Boston Post of SAME and serves on the Oceans and Coastal Resources Committee of the EBC of New England.

## **SPEAKERS**

**Robert Boeri**, Project Review and Dredging Coordinator  
Massachusetts Office of Coastal Zone Management  
251 Causeway Street, Suite 800, Boston, MA 02114-2136  
617.626.1050 | robert.boeri@state.ma.us

Bob Boeri is a graduate of the University of Massachusetts, Amherst. He has a degree in Fisheries Biology and started his professional career with the National Marine Fisheries Service as a Foreign Fisheries Observer, working on the foreign fishing fleet off of the east coast of the United States. He then went on to a 25 year career in environmental testing where he specialized in aquatic toxicity testing, serving in a variety of positions. He co-founded T.R. Wilbury Laboratories in Marblehead, a full service environmental testing lab. In 2006, Bob joined the Massachusetts Office of Coastal Zone

Management as Dredging Coordinator, a position that he still holds. In 2007, he took on the additional responsibilities of Project Review Coordinator. In this position, Bob is responsible for project review oversight for all projects proposed in the coastal zone of Massachusetts. He is also responsible for the review and issuance of federal consistency determinations for coastal projects.

**Caitlin Chaffey**, Policy Analyst  
Rhode Island Coastal Resources Management Council  
4808 Tower Hill Rd # 116, Wakefield, RI 02879  
401.783.3370 | cchaffee@crmc.ri.gov

Caitlin Chaffee has been a policy analyst with the Rhode Island Coastal Resources Management Council for over 10 years. She is responsible for coordinating the Rhode Island Coastal and Estuarine Habitat Restoration Trust Fund, and chairs the Fund's technical advisory committee. In addition, she manages habitat restoration projects and develops and implements policy, guidance materials and training programs related to coastal buffer preservation and restoration, invasive plant management, and stormwater management using green infrastructure practices. Chaffee received her master's degree in environmental science and management from the University of Rhode Island.

**Norm Farris**, Ecologist  
U.S. Army Corps of Engineers  
696 Virginia Road, Concord, MA 01742-2751  
978.318.8336 | charles.n.farris@usace.army.mil

Norm Farris is a member of the Policy and Technical Support Branch, USACE Regulatory Division. He oversees a number of programs associated with estimating environmental impact of marine development and navigation projects on coastal waters and habitats in His duties include evaluation of contaminated sediments and coordinating aquatic habitat mitigation efforts in New England. As Program Manager for the Dredging Compliance program, he coordinates disposal operations of contaminated sediments within the New England District.

Prior to working for The Army Corps of Engineers, Norm worked as an Ecologist for the National Park Service creating environmental assessment projects for Park Units in the Northeast Region and helped lead a major salt marsh restoration project on Cape Cod. He obtained his Masters in Marine Biology from the University of Massachusetts Dartmouth in 1991, after working as a Port Agent in New Bedford for NOAA. He then worked for NOAA in New Jersey, monitoring contamination levels at regional dump sites in New York Bight. Norm obtained his PhD in Biological Oceanography from the University of Rhode Island's Graduate School of Oceanography in 1996 before joining the Park Service fulltime and prior to his present work at the Corps.

**Alan Fowler**, Senior Principal  
Geosyntec Consultants, Inc.  
75 Congress Street, Suite 301, Portsmouth, NH 03801  
617.834.5847 | afowler@geosyntec.com

Alan has over 25 years of experience focused on the management of contaminated sediment at high profile aquatic sites throughout North America. Representative project experience includes Boston Harbor, New Bedford Harbor, Hudson River, San Diego Harbor, San Francisco Bay, Coosa River, Fraser River and Vancouver Harbor. His experience spans the assessment, design and construction aspects of dredging, capping and natural recovery projects. He also has developed restoration-based projects that provide community and ecological benefits in addition to meeting remedial obligations.

**Rebecca French**, Director of Community Engagement  
Connecticut Institute for Resilience and Climate  
University of Connecticut, Avery Point Campus  
1080 Shennecossett Road, Marine Sciences Building, Groton, CT 06340  
860.405.9228 | Rebecca.French@uconn.edu

As the Director of Community Engagement for the Connecticut Institute for Resilience and Climate Adaptation, Dr. French translates science and engineering to help communities, state and local government, private industry, and academic partners implement solutions to adapt to a changing climate and extreme weather while strengthening resilience through economic development, policies and social cohesion. Dr. French serves on the Long Term Recovery Committee and the State Agencies Fostering Resilience Council and publishes and speaks regularly at state and national conferences on climate adaptation and environmental science. Previously she worked in the US EPA and the United States Congress on environmental policy as a AAAS Science & Technology Policy Fellow. Dr. French holds a Ph.D. in geosciences from Virginia Tech and an M.S. in soil science from Cornell University. She received her B.A. from Oberlin College in chemistry and environmental studies. She is a proud native of northeast Connecticut and lives in Waterford, CT.

**Lealdon Langley**, Director, Wetlands and Waterways Program  
Massachusetts Department of Environmental Protection  
One Winter Street, Boston, MA 02108  
617.574.6882 | lealdon.langley@state.ma.us

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.

Lealdon holds a B.A. in Biology from Hendrix College and a M.A from the Center for Energy and Environmental Studies at Boston University where he studied environmental science and public policy.

**Steve Sands**, Executive Vice President  
Clean Earth Inc.  
334 South Warminster Road, Hatboro, PA 19040  
215.734.1400 x1212 | ssands@cleanearthinc.com

Assistant: rdumas@cleanearthinc.com

Steve Sands is Executive Vice President of Clean Earth, Inc. where he serves as a member of its Senior Leadership Team and as head of its operating subsidiary, Clean Earth Dredging Technologies, LLC (CEDT). Mr. Sands has over twenty-seven (27) years experience as a business and thought leader in the waste minimization and environmental recycling industries. He specializes in creating solutions to complex waste material management problems, focusing on recycling and beneficial re-use of materials to avoid costly and wasteful landfill disposal.

In the 1990's, Mr. Sands pioneered innovative technology for the processing, treatment, and beneficial use of dredged materials from navigation and environmental projects to produce engineered products for beneficial use in numerous upland applications.

Since its founding by Mr. Sands in 1996, CEDT has successfully processed and beneficially used over 7.5 million cubic yards of dredged material from over 250 individual dredging projects. Mr. Sands' work in developing large-scale commercial dredged material processing facilities is widely regarded as providing a critical infrastructure link supporting New York Harbor's \$3.8 Billion annual port-based economy.

His innovations have earned numerous recognitions including being named a "Top 25 Newsmaker of 2001" by Engineering News Record for his work at the Bark Camp Mine Reclamation Laboratory. There, Mr. Sands partnered with the Pennsylvania Department of Environmental Protection to demonstrate the feasibility of large-scale beneficial use of manufactured fill material created entirely from waste materials to safely reclaim abandoned coal surface mines at no cost to the State, turning scarred acid mine land into thriving State Forest meadow habitat.

In addition to overseeing dredging and disposal operations for Clean Earth, Mr. Sands is responsible for overall business strategy and development, technology improvement, product innovation, and site acquisition for the continued beneficial use of dredged and soil fill materials.

Under his direction, Clean Earth continues to establish itself as an industry leader in keeping would-be waste materials out of landfills.

**Dave Walsh**, Senior Project Manager/Coastal Scientist  
Woods Hole Group  
81 Technology Park Dr., East Falmouth, MA 02536  
508.540.8080 | [dwalsh@whgrp.com](mailto:dwalsh@whgrp.com)

David Walsh has been a Coastal Scientist at Woods Hole Group for 13 years, using field and laboratory data to resolve and evaluate geologic/physical/chemical processes within coastal and estuarine environments. Research interests are marine sedimentology and geomorphology, with extensive field experience in the acquisition, processing, groundtruthing, and interpretation of bathymetric, side-scan sonar, and sub-bottom sonar surveys in order to investigate subaqueous environments on a regional scale; these skills are often used for site characterization of dredging and environmental remediation projects. Prior to joining the Woods Hole Group, Mr. Walsh worked at the USGS Woods Hole Science Center. Presently, Mr. Walsh is managing projects related to sediment characterization and environmental monitoring. He holds a B.S in Geoscience from Hobart College and a M.S. in Oceanography from the University of Delaware.