



2018 SPEAKER BIOS

THOMAS (Tom) C. CAMBARERI manages the Water Resources Program of the Cape Cod Commission where he provides technical expertise to the Commission's regulatory and planning functions. Tom enjoys working with interested parties to move water resource protection and restoration efforts forward by identifying the critical information gaps, developing innovative approaches and developing cost effective regional solutions. He has participated with numerous local, regional, state and federal groups focusing on the protection and restoration of water quality and water resources management. Tom has also conducted and managed numerous hydrogeologic assessments and groundwater modeling projects. He has 30 years of experience in Cape Cod water resources issues. He has an M.S. in Geology with a focus on hydrogeology from UMass-Amherst (1986). He is a Certified Ground Water Professional (#360) and a Mass. Licensed Site Cleanup Professional (# 3778). He is an appointed member to the Massachusetts' Water Resources Commission.

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JENNIFER CLINTON is a Special Projects Coordinator with the Cape Cod Commission. Her background is in environmental economics, coastal and marine policy, and stakeholder outreach.

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MARC DRAINVILLE is a principal with GHD in Hyannis, Massachusetts. He specializes in municipal wastewater treatment and has served as the primary designer on several local municipal treatment facilities including nitrogen removal to the limit of technology in Chatham and the evaluation of removing contaminants of emerging in Oak Bluffs. He is a LEED AP, professional engineer and a Board Certified Environmental Engineer in water supply and wastewater as well as in sustainability.

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BRIAN DUDLEY has been employed as an environmental engineer at the Massachusetts Department of Environmental Protection for the past 29 years, primarily in wastewater. His responsibilities include permitting, compliance, enforcement and planning. Prior to joining MassDEP he worked for an engineering consulting firm in Falmouth, MA. He holds a B.S. in Biology and an M.S. in Environmental Engineering.

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ROBERT DUNCANSON, is Director of Health and Environment, and Director of the Water Quality Laboratory, for the Town of Chatham, Massachusetts. Dr. Duncanson has a BS degree in Biology from the University of Miami and a Doctorate in Microbiology from the University of Rhode Island. While at the Univ. of Rhode Island, Dr. Duncanson worked on the development and application of various microbial water quality indicators, including the current national Enterococci standards for bathing beaches. As Director of Health & Environment for Chatham, Dr. Duncanson oversees staff and programs in the areas of public health, conservation, environmental protection, coastal resources, and shellfish. Dr.

Duncanson managed the Town's 12 year Comprehensive Wastewater Management Planning program (CWMP) completed in 2009, including integration of the Massachusetts Estuaries Project and other scientific and engineering studies into the planning process. Dr. Duncanson managed the \$59.5M in construction activities related to Phase 1A implementation of the CWMP, consisting of a new 1.2 mgd ENR wastewater treatment facility, 5 pump stations, and approximately 11 miles of gravity, force main and low pressure sewers. Dr. Duncanson is currently managing construction of Phase 1B including \$5M of sewer extensions and a pump station upgrade in addition to overseeing design and bidding for future construction phases. Dr. Duncanson is also Phase II Stormwater Coordinator for Chatham, responsible for development and implementation of the Town's Phase II Stormwater Program.

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ASHLEY FISHER is the Shellfish Constable for the Town of Mashpee. She was previously appointed as the Shellfish and Water Quality Technician for the Mashpee Department of Natural Resources. While working with the department she has focused her work on shellfish propagation and water quality monitoring as part of the Mashpee Comprehensive Watershed Nitrogen Management Plan to restore water quality in the town's surrounding estuaries. Her background is in Marine Biology and Aquaculture (B.S. in Marine Biology with a minor in aquaculture from University of Maine) with a focus on water quality monitoring and shellfish animal husbandry. She has previously worked with the Barnstable County Health Department (water quality monitoring), the Darling Marine Research Center (razor clam, oyster, and micro-algae aquaculture research) and the Marine Biological Laboratory (macroalgae and shellfish aquaculture).

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DR. KATHRYN FORD 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 work is 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 Ocean Council, and the Massachusetts Offshore Wind Task Force. Dr. Ford lives in South Dartmouth with her husband, two sons, one dog, one cat, and a sailboat. The longest she has been to sea is 63 days on a drillship in the Pacific and her deepest dive is 240 feet deep on the Andros wall.

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MICHAEL GIGGEY Since receiving his engineering degrees from Tufts University and Stanford University, Mike Giggey has spent his 40-year career practicing environmental engineering, focusing on nutrient management and emerging technologies for wastewater treatment, disposal and reuse. He is Senior Vice President at Wright-Pierce, and his clients have included many Cape Cod communities, the Cape Cod Commission and the Martha's Vineyard Commission. For several years, he has provided technical input to the Pleasant Bay Alliance, including its recent success obtaining the new Watershed Permit.

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GEORGE “CHUCKIE” GREEN is the Natural Resources Assistant Director of the Mashpee Wampanoag Tribe

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JIM HANEY is a Professor in the Department of Biological Sciences at the University of New Hampshire. He is Director of the UNH Center for Freshwater Biology and co-founder of the New Hampshire Lakes Lay Monitoring Program. Dr. Haney teaches General Ecology, Lake Ecology, Stream Ecology and Lake Management. His current research focus is on the transfer of cyanobacteria toxins within the lake food web their impact on wildlife such as the Common Loon. He and his students are also conducting collaborative research with Dartmouth-Hitchcock ALS Clinic to examine toxic aerosols as possible links between cyanotoxins and neurological disorders such as amyotrophic lateral sclerosis (ALS) and Alzheimer’s disease. He is also a member of the Cyanobacteria Monitoring Collaborative (cyanos.org)

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ALEX HAY is currently the co-owner of Mac’s Seafood and the Wellfleet Shellfish Company and has worked closely with the aquaculture and fishing industries on Cape Cod for more than 20 years. Alex is a founding member and serves on the board of directors of Wellfleet Shellfish Promotion and Tasting, Inc. and the Wellfleet OysterFest. He is an active member of the Massachusetts Aquaculture Association, serves on the Mass. Division of Marine Fisheries Shellfish Advisory Panel, and has chaired the town of Wellfleet’s Wastewater Management Planning Committee for over 10 years.

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GEORGE HEUFELDER is the Director of The Massachusetts Alternative Septic System Test Center. He has been instrumental in both beginning the Test Center and initiating the first-of-its-kind electronic performance tracking service for alternative onsite septic systems. George conducts research on various aspects of onsite wastewater disposal including nitrogen, phosphorus and contaminant of emerging concern removal. He has a Bachelor’s Degree in Biology from Kansas State University, a Master’s Degree in Biology from Eastern Michigan University. He is a Class 4 Treatment Plant Operator, a Certified Title 5 Soil Evaluator and Septic System Inspector and he is a Registered Sanitarian in the Commonwealth.

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RAYMOND A. JACK is a resident of Falmouth and serves as Director of Public Works. He is a Certified Public Works Manager with over 28 years experience in public works administration and is a past- president of the Massachusetts Water Works Association. Mr. Jack currently serves as a Commissioner on the Commonwealth’s Water Resources Commission and has served on the state’s Water Conservation Standards Committee, the Sustainable Water Management Committee and the Climate Change Committee whose goal was to formulate mitigation and adaptation strategies in response to a changing environment. He also teaches classes in Global Water and Water Resources at Cape Cod Community College as part of their environmental science degree program.

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SHANNON HULST JARBEAU CFM is the Floodplain Specialist and Community Rating System (CRS) Coordinator for Barnstable County through the Cape Cod Cooperative Extension and Woods Hole Sea Grant. She is a Certified Floodplain Manager® with a Master's degree in Marine Affairs from the University of Rhode Island. Shannon assists communities with flood-related technical assistance and participation in the CRS. Barnstable County's regional CRS program has been recognized nationally, earning the Association of State Floodplain Managers' 2017 James Lee Witt Local Award for Excellence in Floodplain Management and serving as the inspiration for a bill from Congressman Keating in the pending 2017 National Flood Insurance Program reauthorization.

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STEVE KIRK is the Coastal Program Manager for The Nature Conservancy in Massachusetts. His responsibilities include development, implementation, and monitoring of statewide and regional coastal conservation strategies. His focus is on coastal resilience and nearshore habitat restoration, particularly shellfish. Steve grew up sailing in Buzzards Bay, is a former oyster farmer in Falmouth, and holds a Masters in Marine Affairs from the University of Rhode Island and a B.A. in Geography from the University of Vermont.

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JULIA KNISEL is the Coastal Shoreline and Floodplain Manager for the Massachusetts Office of Coastal Zone Management, leading development and implementation of policies and strategies to promote sound adaptation and reduce vulnerability along the coast. Julia coordinates with state and federal agencies, local cities and towns, regional planning agencies, and NGOs to build partnerships and collaborative approaches to improve management of coastal erosion and flooding. She oversees the Massachusetts StormSmart Coasts program to help communities prepare for and protect themselves from coastal storms and flooding-both now and under higher sea levels. Julia also co-chairs the Northeast Regional Ocean Council's Coastal Hazards Resilience Committee, which coordinates activities related to coastal hazards resilience and climate adaptation in New England. Julia previously worked for the U.S. Geological Survey Coastal and Marine Geology Program and was a NOAA Coastal Management Fellow. Julia has a B.S. in Biology and Marine Science from The Pennsylvania State University and a M.S. in Marine Policy and Coastal Zone Management from The University of Maine.

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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. 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.

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ELISE LEDUC is a coastal scientist and project manager with the Woods Hole Group. She has eight years of experience in coastal environmental management, geospatial analysis, and wetland delineation and restoration. Ms. Leduc earned a Master's in Environmental Management from Duke University's Nicholas School of the Environment, and she is certified as a Professional Wetland Scientist. She has been an integral part of the adaptive management planning for the Herring River restoration project for the past three years. Her work has focused on a targeted ecological modeling effort intended to improve the understanding of how wetland types and vegetation within the Herring River System will respond and change to alterations in tidal regime anticipated as part of the Herring River Restoration project, as well as updating the adaptive management toolkit that the Herring River Restoration Committee will use to select an initial restoration method and to adjust restoration activities in the future.

CHRISTINA LOVELY holds a B.S. in Marine Biology along with a minor in Aquaculture & Aquarium Science from the University of New England in Biddeford, Maine. Her undergraduate research efforts were focused on the aquaculture of marine ornamental fish species including ocellaris clownfish (*Amphiprion ocellaris*) and royal grammas (*Gramma loreto*). She went on to complete a M.S. in Marine Biology from the University of Massachusetts Dartmouth under thesis advisor Dr. Nancy O'Connor, studying the attraction of invasive crabs to gear used in oyster aquaculture. Christina started working for the Town of Falmouth with the Marine & Environmental Services Department as the Fisheries Propagation Technician (Marine Fisheries Biologist) in May 2015. Her research interests in aquaculture include: shellfish husbandry, shellfish predators and predator mitigation, impacts of gear types on shellfish growth, and impacts of water quality on shellfish growth. When she is not out in the field collecting shellfish data, she loves to share her passion for marine life with others through educational programs. Christina lives in Plymouth, MA with her husband, one-year-old son, two cats, and saltwater reef tank.

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MARGOT MANSFIELD is a Climate Change and Coastal Hazards Analyst with EEA and CZM. She is a program lead for EEA with the Municipal Vulnerability Preparedness (MVP) Program and leads EEA's work on integrating the new statewide climate change projections into the MVP program and the MA Climate Change Clearinghouse. She also supports CZM's efforts on a regional coastal resilience project developing a monitoring protocol and guidance for living shoreline projects in coastal New England. Margot holds a Master of Science in Earth Science from the University of Maine, and a Bachelor of Science in Earth & Space Science from the University of Washington.

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ROY "CHUCK" MARTINSEN Chuck Martinsen earned a master's degree in business from Suffolk University. Chuck has worked full time for the Town of Falmouth for 20 years, and part-time for 8 seasons prior. Chuck serves as the Deputy Director of the Marine & Environmental Services department and also as the Shellfish Constable.

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ALYSON McCANN is the Cooperative Extension Water Quality Coordinator in the College of Environment and Life Sciences at the University of Rhode Island. She has over 25 years of experience developing and delivering local, regional and national programs focused on water resource protection for a variety of audiences, the impact of which has been to affect behavior change to achieve public and environmental health protection. She has a history of effectively coordinating community and governmental engagement activities working with local, state, regional and federal partners to achieve water quality protection. Her work most notably focuses on private drinking water well protection,

collaborating with federal and state agencies and local communities to provide residents with the tools and resources needed to protect their drinking water quality and to take action to protect their health, their families' health and the environment. Alyson McCann co-leads the Community Engagement Core for the URI-led STEEP Project with her colleague Laurel Schaidler from Silent Spring Institute. The STEEP Project, an acronym for Sources, Transport, Exposure and Effects of PFASs, focuses its community engagement activities on Cape Cod. McCann received her M.S. in Natural Resources Science, with a focus on watershed hydrology and management, from URI in 1989.

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SEAN McNALLY is working with the MSI under a Non-Academic Research Internship for Graduate Students (INTERN) from the National Science Foundation and has been working with the Cape Cod Commercial Fishermen's Alliance (CCCFA), the Massachusetts Aquaculture Association (MAA), and The Nature Conservancy (TNC) in developing the MSI. Sean's work within the MSI will focus on further understanding the needs of stakeholders within the shellfish industry and will research state and municipal permitting systems, and how to establish integration methods for new technologies into current regulation schemes, aquaculture monitoring, and stakeholder engagement.

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SEAN O'BRIEN has been the coordinator of the Barnstable County Regional Emergency Planning Committee since its inception in the autumn of 2001. BCREPC is a multi-jurisdictional organization that encompasses the participation of fifteen towns in Barnstable and Nantucket Counties in southeastern Massachusetts. BCREPC was formed to address compliance to SARA Title 3 but has evolved into an "All Hazard" regional planning committee. Mr. O'Brien co-authored a regional Hazardous Materials Response Plan and supervised the implementation of CAMEO as the database management program for all Tier 2 reporters within the REPC. Currently he is assisting the committee with the development of the Cape Cod Regional Sheltering Plan and an expansion of the Cape Cod Emergency Traffic Plan. Sean O'Brien has been employed by the Barnstable County Department of Health and Environment as an environmental specialist since September of 1987 and emergency preparedness coordinator since 2002. He has worked extensively with state and federal environmental, sanitary code and emergency management regulations through his tenure. He has extensive training with the incident command system, the Homeland Security Exercise Evaluation Program (HSEEP) and is a Registered Massachusetts Sanitarian. He is also an experienced grant writer and funding administrator. Mr. O'Brien serves as an adjunct faculty member for Cape Cod Community College, teaches a course in Hazardous Materials Management, and conducts OSHA HAZWOPER Training. Mr. O'Brien is a member of the Commonwealth of Massachusetts' State Emergency Response Committee (SERC) and serves on the Board of Directors for Cape and Islands Emergency Medical Services Inc and OpenCape Corporation. He is also a member of The Barnstable County Type 4 Incident Management Team where he serves as a Multi Agency Coordination Center (MACC) Manager and Liaison Officer.

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MAGGIE PAYNE is a Resource Soil Scientist at the USDA Natural Resources Conservation Service (NRCS) located in Wareham, MA. Maggie has a BA in Biology and Environmental Science from Colby College and a MS in Soil and Natural Resources Science from URI. She worked as a coastal pedologist, soil scientist, and soil conservationist for Rhode Island and Massachusetts NRCS for over 10 years on projects including the development of national standards for subaqueous soil mapping and analysis, national soil carbon assessment, coastal soil survey, and soil interpretation development. Maggie Payne, USDA NRCS

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JOSHUA REITSMA received a bachelor's degree in environmental science from Unity College in Maine and later a master's degree in aquaculture and fisheries from the University of RI. He has worked with restoration and aquaculture of finfish and shellfish from Maine to Alaska, including the management of a small farm in Virginia. Since 2009, he has worked with the Cape Cod Cooperative Extension and Woods Hole Sea Grant in support of fisheries and aquaculture here in Massachusetts.

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DANIEL ROGERS joined the faculty at Stonehill in 2014. His teaching interests include analytical chemistry, instrumental analysis, environmental chemistry, biogeochemistry and microbiology. He also serves within the Environmental Sciences and Studies as well as the Earth and Planetary Studies Programs at the College. Dr. Rogers has transdisciplinary research interests, bridging the interface between environmental chemistry and microbiology to better understand how life and the environment shape each other. Rogers' training is equal parts geochemistry and microbiology, earning a M.S. in Oceanography from the University of Connecticut using electrochemical techniques, thermodynamic models and traditional microbiological techniques to investigate the roles of different physiologies in driving the lithification of modern marine stromatolytes. Dr. Rogers then worked at the Woods Hole Oceanographic Institution as a Research Associate, studying metal-oxidizing metabolisms in autotrophic, basalt-oxidizing deep-sea prokaryotes. Much of this work and subsequent work involved designing and building equipment to make appropriate measurements in the environment (in situ). He earned a Ph.D. in Chemical Oceanography from the Massachusetts Institute of Technology/Woods Hole Oceanographic Institution Joint Program in Oceanography where he focused on combining isotopic techniques and molecular biology to better understand the rates of chemical transformation within the nitrogen cycle and which microorganisms drive those changes in a coastal groundwater system. For his postdoc, Dr. Rogers returned to the deep-sea using isotopic studies and molecular biology to constrain the rates of carbon-fixation, methanogenesis and sulfate-reduction at hydrothermal vents. At Stonehill College, Rogers' lab continues to work in both coastal and deep-sea environments with a focus on leveraging geochemical and biological techniques to develop a better understanding how biological activities alter elemental flux through their ecosystems, what processes are active and at what rates these transformations occur. He is interested in developing the techniques and instrumentation needed to measure these pollutants in situ. *Students working with Dr. Rogers have included undergraduate and graduate researchers from the disciplines of chemistry, biology, geology, environmental science, physics and engineering.*

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CAROLE RIDLEY is a principal of Ridley & Associates, Inc., a firm specializing in sustainable energy and environmental programs. She has twenty-five years of experience serving government, non-profit, and private clients. For the past fifteen years she has been lead consultant for projects on coastal resource management and restoration, transportation, land use, and economic development. She received a Bachelor of Arts degree in economics with honors from Trinity College (Hartford, CT), and a Master in Public Policy degree from the John F. Kennedy School of Government at Harvard University.

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BRIDGER RUYLE is a graduate student at Harvard University in the laboratory of Elsie Sunderland. He will talk about their lab's study on the PFAS plume from the fire-training area and the wastewater injection beds before Ashumet pond as well as ongoing work characterizing PFAAs and precursors at surface and groundwater exchange locations downstream of Ashumet as they are transported into Waquoit Bay. He will also give a summary of ongoing fate and transport research projects within STEEP and future research directions.

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CHRISTOPHER SCHILLACI is the Vibrio and Aquaculture Specialist and Aquaculture and Propagation Project Manager for the Massachusetts Division of Marine Fisheries. Chris is responsible for coordinating the operational permitting and environmental review of marine aquaculture and shellfish propagation activities in the Commonwealth and overseeing the Division's Vibrio control program.

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STEVE SMITH is a Plant Ecologist at the Cape Cod National Seashore, with expertise in plant physiology and plant community ecology. Stephen received a B.S. degree from Florida State University and an M.S. and a Ph.D. from the University of Miami. After spending 5 years working on the restoration of the Florida Everglades, he assumed his current position with the National Park Service in 2002. Stephen's current activities are focused on understanding the dynamics of spatial and temporal variability within plant communities in all the different ecosystems (forests, heathlands, dune grasslands, vernal ponds, lakes, salt marshes, lagoons, nearshore marine systems) within the Seashore. A large part of this work involves assessments of salt marsh ecosystem structure and function in response to tidal restoration and causes and consequences of salt marsh dieback. Other responsibilities include exotic and rare plant management.

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SCOTT J. SOARES is the owner of Boston Bay Consulting. Drawing on over 25 years of experience, he offers government relations services, business and project development assistance and organizational management support to those working in agriculture, fisheries, and food systems. He received a Whitehouse appointment from the Obama administration to serve as USDA Rural Development State Director for Connecticut, Massachusetts and Rhode Island where he oversaw staff and program delivery for a suite of over 50 programs that were aimed at improving economic prosperity for Southern New England's rural communities. Through his work as Executive Director of the U.S. Cranberry Marketing Committee (CMC), Mr. Soares worked with the cranberry industry across the United States, lead a redesign and implementation of new processes and data collection services for CMC and propelled marketing initiatives in Europe, Asia, South and Central America. Scott began his career at the Massachusetts Department of Agricultural Resources where he held a variety of leading positions including the Commonwealth's first Aquaculture Program Director and culminating with a gubernatorial appointment as Commissioner of the Department in 2009. Mr. Soares received a double major in Biology and Marine Biology from UMass Dartmouth and completed course work in aquaculture and fisheries at University of Rhode Island.

MAUREEN THOMAS works for the Buzzards Bay Coalition as a Water Resource Specialist focusing on solutions to nitrogen pollution aimed at preventing algae blooms to improve coastal water quality and habitats. She is primarily focused on implementing nitrogen-reducing septic system demonstration projects throughout the Buzzards Bay watershed, including in West Falmouth. Maureen also managed the Coalition's 2018 installation of a permanent boat waste pump out facility on Cuttyhunk Island. Prior to joining the Coalition, she served for over a dozen years as a conservation agent for the Town of Kingston on the South Shore and worked as a hydrologic technician for the U.S. Geological Survey. Maureen holds a B.S. in Geography & Biology from Bridgewater State College and a Master's degree in Public Affairs from UMass Boston.

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MEGAN TYRRELL is the Research Coordinator at Waquoit Bay National Estuarine Research Reserve. Her previous work includes the Coastal Resilience Coordinator at the North Atlantic Landscape Conservation Cooperative and Research and Monitoring Coordinator at Cape Cod National Seashore. The Landscape Conservation Cooperatives are partnership based programs, hosted through the US Fish and Wildlife Service that seek to support landscape scale conservation initiatives. With the NA LCC, she was responsible for overseeing approximately \$5 million worth of research, modeling and science delivery projects that were made possible through Hurricane Sandy disaster mitigation funds. Currently, most of her research efforts are focused on enhancing the resilience of salt marshes.

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MATTHEW WALDRIP is Senior Environmental Specialist in the Environmental Affairs Department of Eversource Energy. Mr. Waldrip is responsible for overseeing environmental permitting, siting, and regulatory compliance for high-profile electric and gas transmission and distribution projects. In 2017, Matt was a recipient of the Environmental Business Council's Ascending Leader Award which is awarded to individuals who demonstrate exceptional leadership and industry involvement early in their careers. Matt has previously served on the boards of the Society of Wetland Scientists and Society of Ecological Restoration's New England Chapters. He holds two professional certifications: a Certified Erosion, Sediment, and Stormwater Inspector (CESSWI) and a Professional Wetland Scientist (PWS). He earned dual Bachelor of Science degrees from Westfield State University in 2011, one in Environmental Science and another in Regional Planning. Matt has served on the Sandwich conservation commission for three years, including two as the board's Chairman.

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MICHELLE WEST is a Senior Water Resources Engineer at Horsley Witten Group, an environmental firm with headquarters in Sandwich providing consulting services in sustainable site design, stormwater management, coastal and watershed protection, ecological restoration, land use planning and policy, and a wide range of technical training. Based on Cape Cod, much of her day-to-day work is spent designing and implementing green infrastructure in the New England area, but she is also fortunate enough to work in the Pacific and Caribbean Islands helping prevent land-based sources of pollution from impacting coral reefs. She currently lives in Bourne, but when she lived in Falmouth, she volunteered her time as a member of the Falmouth Conservation Commission for 7 years. Michelle has 16 years of professional experience and graduated from the University of Michigan with bachelor's degrees in Civil Engineering and Natural Resources, and a master's degree in Environmental Engineering. Go Blue!

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APRIL WOBST is the Restoration Ecologist at the Association to Preserve Cape Cod. She has over 10 years of experience in environmental protection including project management, long-term ecological monitoring, restoration and invasive species management. She has particular expertise and training in adaptive management, project planning and grant writing. April is managers of APCC's Restoration Coordination Center established to help towns and communities with restoring impaired salt marshes, fish runs and shellfish beds as well as improving water quality through stormwater remediation and improving coastal resiliency across the Cape. As the restoration ecologist, April supports the Center providing technical, planning, project management and outreach support to communities interested in completing restoration projects. Key partners in this effort include the Cape Cod Commission, Cape Cod Conservation District, Cape Cod Cooperative Extension, Massachusetts Division of Ecological Restoration, Massachusetts Division of Marine Fisheries, Massachusetts Office of Coastal Zone Management and the 15 Cape towns. April holds a M.S. in Sustainable Development and Conservation Biology from the University of Maryland and a B.S. in Biology and Psychology from the University of Pittsburgh.

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RICHARD YORK is Director of the Department of Natural Resources (DNR) in the Town of Mashpee, Massachusetts. Prior to that appointment he was the Mashpee Shellfish Constable starting in 1992. The DNR has Harbormaster and Shellfish Divisions. DNR programs include the Shellfish Propagation, Water Quality Monitoring and Restoration. The DNR is responsible for implementation of the shellfish component of the Mashpee Comprehensive Watershed Nitrogen Management Plan to restore water quality in the estuaries. He has been a service partner with AmeriCorps Cape Cod since their first year. His background as a Marine Biologist (B.S. in Marine Biology) includes working with algae, shellfish and water quality monitoring in commercial aquaculture (shellfish hatcheries and farms). While a Research Associate at the University of Hawaii, he started the first oyster polyculture system to solve water quality problems at shrimp farms in addition to research on ciguatera reef fish toxins, and coral reef ecology.

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