

MassBays Citizen Monitoring Coordinators' Summit: Speaker Biographies

Therese Beaudoin is a member of the Total Maximum Daily Load (TMDL) group within the Watershed Planning Program at MassDEP. She has been with MassDEP for 18 years and has over 30 years of experience in surface water monitoring and assessment, permitting and outreach. From 1999-2013, Therese partnered with advocacy groups in central Massachusetts to protect and restore rivers and streams, lakes and ponds at the watershed level. She holds an MS degree in Environmental Sciences from UMass Lowell.

Aimee Bonanno is Program Manager for the New England Ocean Science Education Collaborative (NEOSEC), which is hosted by the New England Aquarium (NEAq). NEOSEC has more than 50 institutions across New England including aquariums, museums, universities, government entities, and science and research centers that share a commitment to promoting ocean literacy. Its combined expertise, resources, and networks strengthen its member institutions and the programs and services they offer, including two successful citizen science projects, Summer on the Marsh and Summer Science. She holds a B.A. in biology and environmental studies from UC Santa Cruz and a M.S. in biological sciences from California State University, Fullerton.

Brad Chase is the Project leader for Marine Fisheries' Diadromous Fish Biology and Management and Diadromous Fish Passage and Habitat Restoration projects. He represents Massachusetts on Atlantic States Marine Fisheries Commission technical committees for River Herring and Shad, American Eel and the Fish Passage Working Group.

Dan Codiga, Marine Information Analyst at the Massachusetts Water Resources Authority, analyzes and interprets processes influencing water quality in Massachusetts coastal and estuarine waters using observations and simulations. He also has researched circulation and water properties in Long Island Sound, Narragansett Bay, and Rhode Island Sound for nearly 20 years. He serves on the MassBays Scientific and Technical Advisory Subcommittee. His Ph.D. in Oceanography is from University of Washington.

Nora Conlon, Ph.D. is the Quality Assurance Project Plan (QAPP) Coordinator for the Quality Assurance Unit of US EPA Region 1. Originally from Washington State, Nora has a BA in chemistry from Whitman College (Walla Walla, WA) and a Ph.D. in physical chemistry from Tufts University (Medford, MA). Nora has focused her 20+ years at EPA on communicating quality assurance requirements and evaluating analytical data for a variety of programs.

Pam DiBona brings more than 20 years' experience in the public, nonprofit, and private sectors to her position as Executive Director of MassBays. She combines expertise in organizational development and strategic planning expertise with solid experience in water resource management, of ocean and coastal science. Pam earned a B.A. in Biochemistry from Connecticut College, and an M.S. in

Environmental Microbiology and a Graduate Certificate in Critical and Creative Thinking, both from UMass Boston.

Harlan Doliner is an environmental and maritime attorney with the law firm of Verrill Dana LLP. Harlan chairs the firm's Maritime Group, and advises on maritime technology and security issues; complex facility siting; management and regulatory compliance; and land use permitting, especially wetlands and related fisheries and wildlife issues. A member of MassBays' Management Committee, Harlan is also president of the Marine & Oceanographic Technology Network, a board member of the Environmental Business Council of New England, and was founding chair of the Environmental Law Section of the Boston Bar Association. He received his law degree from Boston College and his M.A. and B.A. from Johns Hopkins.

Sara P. Grady, Ph.D. is the South Shore Regional Coordinator for the Massachusetts Bays National Estuary Program and Watershed Ecologist at the North and South Rivers Watershed Association in Norwell, MA. She received her Bachelor of Science in Aquatic Biology from Brown University in 2001 and her Ph.D. in Biology from the Boston University Marine Program in Woods Hole in 2006. Her specialties include coastal and estuarine ecology, invertebrate zoology, and ecological restoration.

Kimberly Groff is Director of the Watershed Planning at MassDEP. She has more than 25 years of experience working to improve water quality through assessment, monitoring, permitting, analysis and water quality modeling. Kimberly is responsible for directing and managing a diverse staff of scientists, engineers and technicians engaged in the review and updating of MassDEP's Surface Water Quality Standards (314 CMR 4.), ambient surface water monitoring, water quality analysis, 305(b)/303(d) reporting and planning that includes the development of total maximum daily loads (TMDLs), while coordinating and collaborating with a wide range of stakeholders. She holds a Ph.D. in Environmental Engineering from Georgia Institute of Technology, and a M.S. degree in Environmental Science from Drexel University.

Colleen Hitchcock is an Assistant Professor of Ecology at Brandeis University. Her academic interests are focused on the role of citizen scientists in ecological inquiry and conservation biology specifically relating to studies of phenology and climate change. She is interested in both the power of the public in scientific research and the application of citizen science research as a model for learning by students.

Andy Hrycyna is the watershed scientist and coordinator of citizen-science water quality monitoring, as well as other water quality science projects, at the Mystic River Watershed Association. He has a master's in Sustainability and Environmental Management from Harvard University Extension School.

Rachel Jakuba is Buzzards Bay Coalition's Science Director. She oversees the Coalition's research on nutrient pollution

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and its monitoring program, which tracks water quality at over 200 stations each summer using citizen scientists. Prior to joining the Coalition, she managed a project on innovative watershed management techniques to restore a degraded river in Sydney, Australia and spent time as a AAAS Science & Technology Policy Fellow, working with the EPA on policy issues including harmful algae blooms and pollution from large cruise ships. Rachel received her B.S. from the University of Georgia and her PhD in chemical oceanography from the MIT – WHOI Joint Program.

Cristina Kennedy is the Habitat and Water Quality Specialist at the Massachusetts Office of Coastal Zone Management. Her work areas include Coastal and Seafloor Habitats, Stormwater and Nonpoint Source Pollution, Coastal Pollutant Remediation Grant Program, Marine Invasive Species, Coastal Ecology.

Carole McCauley is Outreach Program Coordinator at the Northeastern University Marine Science Center in Nahant, and also serves as the MassBays Regional Coordinator for the Metro Boston region. In these roles, she coordinates the Boston Harbor Habitat Coalition, oversees many youth and community programs, and assists Marine Science Center faculty in forging partnerships that connect their research with on-the-ground needs. Carole has worked in coastal planning and environmental education for almost twenty years, and holds Masters degrees from the Florida Institute of Technology and Columbia University Teachers College.

Dr. Jo Ann Muramoto is Director of Science Programs at the Association to Preserve Cape Cod (www.apcc.org), and has served as the MassBays Regional Coordinator for the Cape Cod region since 2006. Her work experience includes scientific research in chemical oceanography, conservation administrator for the Town of Falmouth, and an environmental consultant in marine disposal and coastal and wetland science. Her broad-ranging experience in science, consulting and the non-profit sector enables her to work effectively on a variety of coastal issues. She holds a Ph.D. in geological sciences from Cornell University and a B.S. in biology from the California Institute of Technology.

Peter Phippen is the Coastal Coordinator for the Massachusetts Bays National Estuary Program's Upper North Shore/Great Marsh region. He has over 35 years of environmental experience with MA Department of Conservation and Recreation, MA Executive Office of Energy and Environment, MassBays National Estuary Program, and Merrimack Valley Planning Commission in both fresh and saltwater ecosystems, designing and implementing research and restoration projects throughout the Commonwealth.

Jon Pollak is the Program Manager at CUAHSI (The Consortium of Universities for the Advancement of Hydrologic Science, Inc.), which is a non-profit organization primarily funded by the National Science Foundation to support water science and education throughout the country. The support services provided by CUAHSI include data publication and access, granting programs for graduate

students and early career scientists, and community modeling initiatives. Jon holds an M.A. degree (University of Connecticut) and a B.A. degree (University of Mary Washington) in Geography.

Margherita Pryor has multiple responsibilities at EPA Region 1, including serving as liaison for all six New England National Estuary Programs (NEPs), Regional project officer and coordinator for MassBays, and Regional coordinator for the Rhode Island nonpoint source program; co-leading the newly launched Southeast New England Program for Coastal Watershed Restoration; and negotiating state-EPA Performance Partnership Agreements which set annual commitments for meeting environmental protection responsibilities. Before coming to Region 1 in 1998, Margherita worked at EPA Headquarters in Washington DC. She is particularly interested in developing and using meaningful performance and improvement measures, integrating programs and policies to achieve results, and finding ways to engage the public in environmental issues.

Robert Stevenson is Associate Professor in the Biology Department at UMass Boston. His research is on biodiversity, conservation and citizen science. He has helped run a citizen science program to monitor the upriver migration of river herring in the Parker River for almost 20 years. He is an associate editor of the new journal *Citizen Science: Theory and Practice*.

Prassede Vella, Staff Scientist at MassBays National Estuary Program, is a marine biologist and environmental scientist with over 10 years experience in coastal zone management and conservation. In 2010 she joined MassBays as Staff Scientist. Venturing into estuarine issues complemented her position as Ocean Management Analyst with the Massachusetts Office of Coastal Zone Management, a position she has held since 2008. Prassede holds a B.S. in Biology and Chemistry, and an M.S. in marine biology from the University of Malta, as well as an M.S. in Environmental Science from UMass Boston.

Robert Vincent is the Advisory Leader for the MIT Sea Grant College Program, Marine Advisory Group. His work focuses on the ecology and restoration of freshwater wetland, estuarine, and marine systems. Rob's research interests include physical and biological processes that influence ecosystem structure and function; connectivity and food web dynamics; and the effects of climate and anthropogenic impacts on natural systems and ecosystem services.

Barbara Warren is the MassBays Lower North Shore Regional Coordinator and the Executive Director of Salem Sound Coastwatch, where she has been working for the past 12 years. She has a Masters in Education from Lesley University and a Masters of Science in Environmental Studies from Antioch New England. Barbara has received both an EPA New England Environmental Merit Award and the Salem State University Friend of the Earth Award.