

**David Yoskowitz, Ph.D.**

*Chief Economist, National Oceanic and Atmospheric Administration (NOAA)*

*Endowed Chair for Socio-Economics, Harte Research Institute for Gulf of Mexico Studies*



EMAIL: [david.yoskowitz@noaa.gov](mailto:david.yoskowitz@noaa.gov)

TEL: 301-713-1632

David Koskowitz is Chief Economist, National Oceanic and Atmospheric Administration (NOAA) and Endowed Chair for Socio-Economics at the Harte Research Institute for Gulf of Mexico Studies. Dr. Yoskowitz is a recognized expert in the field of economics and social science, particularly as it pertains to marine and ocean resources and the application of policy. As Chief Economist, Dr. Yoskowitz provides intellectual and management leadership in order to develop, coordinate, and implement an agency-wide social science vision and strategy. Dr. Yoskowitz also oversees development of cutting-edge research and analysis methodologies to advance scientific, social, and environmental activities of strategic importance to NOAA. He identifies and provides economic and social science analysis of emerging environmental issues including climate change, catch shares, marine planning, and ecosystem-based management, and cooperate with special interest groups such as conservationists, private enterprise, nonprofits, Congress, and the administration and international concerns.

**Lisamarie Windham-Myers, Ph.D.**

*Research Ecologist, U.S. Geological Survey (USGS)*



EMAIL: [lwindham-myers@usgs.gov](mailto:lwindham-myers@usgs.gov)

TEL: 650-329-4447

Lisamarie Windham-Myers is a research ecologist with the USGS, with a focus on soils and plant physiology, and their influence on carbon, nutrient, and trace metal biogeochemistry in wetlands. In addition to past and present research projects on all coasts of the US, she serves in several local, national, and international science advisory efforts to evaluate wetland management and mapping approaches to document and optimize carbon sequestration in tidal wetlands. Recent awards include NASA projects that focus on projecting marsh response to sea level rise and national quantification of coastal wetland carbon stocks and fluxes to meet inventory and market incentives.

## Tonna-Marie Surgeon-Rogers

*Coordinator, Coastal Training Program, Waquoit Bay National Estuarine Research Reserve*

EMAIL: [tonna-marie.surgeon-rogers@state.ma.us](mailto:tonna-marie.surgeon-rogers@state.ma.us)  
TEL: 508-457-0495, x110



Ms. Rogers has over fifteen years experience working at the nexus of science and coastal management. She is currently the Program Coordinator for the Coastal Training Program at the Waquoit Bay National Estuarine Research Reserve which aims to provide science-based information to coastal decision-makers to support improved coastal management. Trained as a scientist, science translator, stakeholder engagement specialist and project manager, Tonna-Marie works to develop and provide training and technical assistance to decision-makers on coastal issues such as climate change, water quality, nutrient pollution and eutrophication. A native of Jamaica, Tonna-Marie's career has spanned working in both the Caribbean and the United States. For the Bringing Wetlands to Market Project, Tonna-Marie served as the Project Lead and the Collaboration Lead and was responsible for coordinating all aspects of the project and team operations as well as stakeholder engagement and collaboration processes to link researchers and end users of the science throughout the duration of the project. She holds a Masters degree in Biological Oceanography and a Bachelors degree in Environmental Sciences. She is a Fulbright Scholar and a J. Knauss Fellow.

## Jianwu (Jim) Tang, Ph.D.

*Associate Scientist,  
Marine Biological Laboratory*

EMAIL: [jtang@mbl.edu](mailto:jtang@mbl.edu)  
TEL: 508-289-7162



Dr. Jianwu Tang is an ecologist and biogeochemist at the Marine Biological Laboratory in Woods Hole. He has 20 years of experience working in carbon, water and nutrient cycles across various ecosystems including wetlands, lakes, agro-ecosystems, and forests. He invented a new gradient method to measure soil respiration in 2003. He developed a new in-situ system to simultaneously measure CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, NH<sub>3</sub> fluxes from soil. He developed a method to quantify coastal blue carbon fluxes. He has published 44 papers with 1866 citations and H-index of 20.

## Aisling O'Shea

*Global Warming Solutions Manager,  
Massachusetts Executive Office of Energy  
and Environmental Affairs*

EMAIL: [aisling.o'shea@state.ma.us](mailto:aisling.o'shea@state.ma.us)  
TEL: 617-626-1024



Aisling O'Shea has more than twenty years experience in environmental policy and planning, working primarily with the public sector on climate change, environmental impact assessment, sustainable development and natural resource management. She currently serves as Global Warming Solutions Manager for the Massachusetts Executive Office of Energy and Environmental Affairs (EEA) where her work focuses on evaluating the Commonwealth's progress in implementing the Global Warming Solutions Act (GWSA) and preparing an update to the Massachusetts Clean Energy and Climate Plan for 2020. An important aspect of this work involves developing better data and methodologies to evaluate the greenhouse (GHG) emissions and carbon sequestration impacts from changes in vegetation cover due to development, and changes resulting from ecological restoration. The results of current studies will inform policy and planning on cross-cutting issues of climate change mitigation, adaptation and conservation. Ms. O'Shea obtained a Bachelors degree in Natural Sciences from Trinity College Dublin and a Masters in Environmental Resource Management at University College Dublin, Ireland.

**Jon Kachmar**

*Massachusetts Coastal Program Director,  
The Nature Conservancy*

EMAIL: [jkachmar@tnc.org](mailto:jkachmar@tnc.org)  
TEL: 617-532-8327



Jon Kachmar is The Nature Conservancy's Massachusetts Coastal Program Director, with responsibilities for statewide coastal conservation and restoration work as well as regional efforts from Cape Cod to Long Island Sound. He has an undergraduate degree in Marine Affairs from the University of Rhode Island, and a master's degree in Public Policy and Management from the University of Southern Maine focusing on coastal zone management. Jon is an avid sailor, fly fisherman, and back country skier.

**Kristin Wilson, Ph.D.**

*Coordinator, Research, Wells National  
Estuarine Research Reserve*

EMAIL: [kwilson@wellsnerr.org](mailto:kwilson@wellsnerr.org)  
TEL: 207-646-1555, x136



Kristin Wilson is an interdisciplinary scientist interested in the response of salt marshes and mangroves to climate and coastal land-use change. She is a graduate of Middlebury College, has Masters degrees in Marine Biology and Marine Policy, and a Ph.D. in Ecology and Environmental Science, all from the University of Maine. Currently, she is the Research Director at the Wells National Estuarine Research in Wells, ME, which is part of a network of 28 NOAA-supported reserves nation-wide that are dedicated to protecting and restoring coastal ecosystems through integrated research, stewardship, education, and community partnerships.

**Kevin Kroeger, Ph.D.**

*Research Biogeochemist, USGS Woods Hole  
Coastal & Marine Science Center*

EMAIL: [kkroeger@usgs.gov](mailto:kkroeger@usgs.gov)  
TEL: 508-457-2270



Kevin Kroeger is a coastal biogeochemist at the USGS Woods Hole Coastal & Marine Science Center. He has studied coastal ecosystems for more than 20 years, specializing in fluxes and biogeochemistry of nitrogen, carbon and greenhouse gases in coastal groundwater and in wetlands. Within the Wetlands Carbon Collaborative he is responsible in part for experimental design, participation in project coordination, and measurements of lateral greenhouse gas, carbon and nitrogen fluxes.

**Serena Moseman-Valtierra, Ph.D.**

*Assistant Professor, Biological Sciences,  
University of Rhode Island*

EMAIL: [smoseman@mail.uri.edu](mailto:smoseman@mail.uri.edu)  
TEL: 401-874-7474



Serena Moseman-Valtierra, Ph.D. is an Assistant Professor in Biological Sciences at the University of Rhode Island in Kingston. She is a salt marsh ecologist specializing in carbon and nitrogen cycling. In her research, she aims to address how multiple global changes, including biological invasions, eutrophication, and climate change, affect the function of coastal ecosystems. Moseman-Valtierra earned a Ph.D. in Biological Oceanography from Scripps Institution of Oceanography in 2008. She was a USGS Mendenhall Fellow at the Coastal and Marine Science Center in Woods Hole MA (2008-2009).

## Steve Emmett-Mattox

*Director for Strategic Planning and Programs,  
Restore America's Estuaries*

EMAIL: [sem@estuaries.org](mailto:sem@estuaries.org)  
TEL: 703-524-0248



Steve Emmett-Mattox is the Senior Director for Strategic Planning and Programs with Restore America's Estuaries, where he has established and led programs of national significance since 2000. He launched the national blue carbon initiative and directs all aspects of this new program, including greenhouse gas offset methodologies, estuary-scale blue carbon assessments, developing pilot projects, and conducting outreach and education. He is a co-author of numerous blue carbon resources and articles and is a lead trainer for regional and national workshops. He lives in Niwot, Colorado with his family and enjoys hiking and gardening when he is not visiting the coast.

## Stephen Crooks, Ph.D.

*Climate Change Program Manager,  
Environmental Science Associates*

EMAIL: [scrooks@esassoc.com](mailto:scrooks@esassoc.com)  
TEL: 415-896-5900

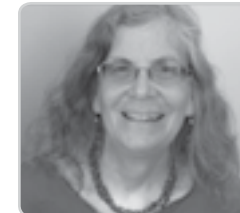


Stephen Crooks is a wetland scientist and restoration practitioner specializing in integrated climate change adaptation and mitigation strategies for coastal systems. He is heavily engaged in blue carbon activities, building teams to advance science and inform management and policy. He is a Lead Author of the IPCC 2013 Wetland Supplement (Coastal Wetland Chapter), one of the first Verified Carbon Standard AFOLU Expert for the Wetland Restoration and Conservation Category (WRC) and a founder of the Global Blue Carbon Initiative. Steve is the lead author the UNEP & CIFOR report: Best Practice Principles for Carbon Projects on Coastal Wetlands. Steve is a member of the Waquoit Wetlands to Markets team and a Principle Investigator the NASA funded project "Linking Satellite and Soil Data to Validate Coastal Wetland "Blue Carbon" Inventories" which will focus on remote sensing techniques to quantify changes in carbon stocks associated with restoration.

## Joan Muller

*Coordinator, Education Program, Waquoit  
Bay National Estuarine Research Reserve*

EMAIL: [joan.muller@state.ma.us](mailto:joan.muller@state.ma.us)  
TEL: 508-457-0495, x107



Joan Muller is the Education Coordinator at Waquoit Bay National Estuarine Research Reserve and was the lead on a NERRS Science Collaborative Transfer Grant to create a curriculum for science technology, engineering, and math teachers based on the NERRS Science Collaborative project, Bringing Wetlands to Market. She has worked at the Reserve for nearly twenty years educating community members, teachers, and students about coastal issues and research. A certified teacher, she previously taught in the classroom (from preschool - college, with students with a variety of abilities), worked as a national park ranger, and has been an informal educator for Mass Audubon and the National Wildlife Federation.

## Tim Purinton

*Director, Massachusetts Department of Fish  
and Game's, Division of Ecological Restoration*

EMAIL: [tim.purinton@state.ma.us](mailto:tim.purinton@state.ma.us)  
TEL: 617-626-1542



Tim Purinton is Director of the Massachusetts Department of Fish and Game's, Division of Ecological Restoration (DER). DER was created in 2009 to meet the need for a statewide, ecological-based restoration program. Tim oversees a nationally award-winning Division that coordinates over sixty river, wetland, and stream flow restoration projects across the state. DER staff currently manages a project and annual budget of over 17 million dollars, most of which is grant funded. Tim is a graduate of McGill University and was recently awarded a Governor Bradford Fellowship for Excellence in Public Administration, which allowed him to attend and receive his MPA from Harvard University's Kennedy School of Government.

**Thomas Mozdzer, Ph.D.**

*Assistant Professor of Biology,  
Bryn Mawr College*

EMAIL: [tmozdzer@brynmawr.edu](mailto:tmozdzer@brynmawr.edu)  
TEL: 610-526-5098



Dr. Mozdzer completed his B.S. degree in Biology at Fairfield University where he began his career in tidal marsh ecology working in the salt marshes of Connecticut. After graduation, he was a Fulbright Scholar at the Jagiellonian University in Krakow, Poland, where he investigated population dynamics and trait heritability in forests exposed to chronic pollution. Dr. Mozdzer completed his M.S. and Ph.D. degrees at the University of Virginia in Environmental Sciences investigating nitrogen-cycling and plant ecophysiology in salt marshes from Maine to Florida. Later, as the Secretary's Distinguished Postdoctoral Fellow of the Smithsonian Intuition, he initiated an experiment at the Smithsonian Global Change Research Wetland to evaluate the effects of elevated CO<sub>2</sub> and N pollution on introduced Phragmites. Dr. Mozdzer is currently an assistant Professor of Biology at Bryn Mawr College. As an ecosystem ecologist, his research combines plant ecophysiology, biogeochemistry, and population genetics to better understand how wetland ecosystems respond to multiple interacting global change factors.

**James Rassman**

*Acting Manager and Stewardship Coordinator,  
Waquoit Bay National Estuarine Research Reserve*

EMAIL: [james.rassman@state.ma.us](mailto:james.rassman@state.ma.us)  
TEL: 508-457-0495



James Rassman is the Stewardship Coordinator at the Waquoit Bay National Estuarine Research Reserve located in Falmouth and Mashpee MA. Mr. Rassman works on long term monitoring and research in and around Waquoit Bay, coastal, riparian, and upland restoration, and land management and acquisition projects. He holds a Masters in Natural Resource Management and a BS in Forestry. Before coming to the Reserve, he had previously worked for the EPA on riparian stream bank stabilization and restoration, the US Forest Service, Colorado State University, and several State agencies on the development and implementation and monitoring of best management practices to protect water quality. He has a particular interest in the management and ecology of coastal pine barrens and grasslands and lives on the Cape in Centerville, MA.

**Omar I. Abdul-Aziz, Ph.D.**

*Assistant Professor of Civil & Environmental  
Engineering, Florida International University*

EMAIL: [oabdulaz@fiu.edu](mailto:oabdulaz@fiu.edu)  
TEL: 305-348-3653



Dr. Omar I. Abdul-Aziz is an Assistant Professor of Civil & Environmental Engineering at the Florida International University (FIU), Miami, FL. He obtained his Ph.D. from the University of Minnesota, Twin Cities in 2008, M.Sc. from the University of Waterloo, Canada in 2004, and B.Sc. from the Bangladesh University of Engineering and Technology, Dhaka in 2002, all in Civil Engineering. Prior to joining FIU in 2011, Dr. Abdul-Aziz worked as a scientist with the U.S. Geological Survey and University of Washington, Seattle. His research focuses on developing robust, user-friendly models to predict and assess (1) wetland and forest greenhouse gas fluxes and carbon sequestration; (2) stream/river water quality and ecosystem health; and (3) urban flooding and drainage sustainability under extreme climate events.

**Tim Smith**

*Restoration Ecologist, Cape Cod National  
Seashore, National Parks Service*

EMAIL: [tim\\_p\\_smith@nps.gov](mailto:tim_p_smith@nps.gov)  
TEL: 508-487-3262, x0509



Tim Smith has 18 years of experience in coastal wetland restoration. Currently restoration ecologist at Cape Cod National Seashore, he also worked for local governments in New York City and Boston and for the Commonwealth of Massachusetts. He earned a M.S. in environmental science from Antioch New England Graduate School.

**Tom Walker**

*Consultant, Manomet Center for Conservation Sciences*

EMAIL: [twalker01773@gmail.com](mailto:twalker01773@gmail.com)



Tom Walker is an environmental economist with over 30 years of international and domestic experience. In 2008, he returned to the U.S. from Switzerland, where he directed the establishment of a new \$4 billion ecological restoration program for the United Nations Compensation Commission. Prior to that he was a managing director at Industrial Economics, Inc., a Cambridge, Massachusetts consulting firm where he worked for 24 years. Since returning to the Boston area, Tom has (1) provided consulting on the economics damages from the BP Deepwater Horizon spill; (2) directed a major study of the climate impacts of forest-based biomass energy for the Massachusetts Department of Energy Resources; (3) acted as technical coordinator for the Massachusetts Forest Futures Visioning Process; and (4) consulted to the Pew Charitable Trusts and the Open Space Institute on land conservation issues. Tom currently serves as a Councillor to the Manomet Center for Conservation Sciences. He is a graduate of Yale College and the Yale School of Forestry and Environmental Studies.

**Meagan Eagle Gonnee, Ph.D.**

*Postdoctoral Fellow,  
United States Geological Survey*

EMAIL: [mgonnee@whoi.edu](mailto:mgonnee@whoi.edu)

TEL: 508-457-2280



Meagan is a National Science Foundation Postdoctoral Fellow based at the United States Geological Survey investigating salt marsh carbon dynamics. She has worked in a wide range of coastal ecosystems, including mangroves, coral reefs and salt marshes, to understand both the transport of terrestrial materials into coastal waters and the biogeochemical transformations that occur at the coastal zone. She is currently investigating salt marsh response to sea level rise and nutrient loading in the Northeast. She has a BS and MS from Stanford University and a PhD from the Massachusetts Institute of Technology/Woods Hole Oceanographic Institution Joint Program.

**Ariana Sutton-Grier, Ph.D.**

*Research Faculty, University of Maryland in the Earth System Science Interdisciplinary Center*

*Ecosystem Science Adviser, National Ocean Service, NOAA*

EMAIL: [ariana.sutton-grier@noaa.gov](mailto:ariana.sutton-grier@noaa.gov)

TEL: 301-713-3074, x110



Dr. Ariana Sutton-Grier is an ecosystem ecologist with expertise in wetland ecology and restoration, biodiversity, biogeochemistry, climate change, and ecosystem services. Dr. Sutton-Grier is a research faculty member at the University of Maryland in the Earth System Science Interdisciplinary Center and is also the Ecosystem Science Adviser for the National Ocean Service at NOAA. She holds Bachelors degrees from Oregon State University in Environmental Science and International Studies and a doctoral degree from Duke University in Ecology. She leads the NOAA Coastal Blue Carbon Team as well as an interagency blue carbon group. She gets especially excited about seeking and discovering innovative opportunities to combine science and policy to solve environmental problems and promote ecosystem conservation. Her research has been published in many environmental and policy journals and featured in several news stories, as well as a children's science TV show.

**Cathy Wigand, Ph.D.**

*Ecologist, US Environmental Protection Agency (EPA)*

EMAIL: [Wigand.Cathleen@epa.gov](mailto:Wigand.Cathleen@epa.gov)

TEL: 401-782-3090



Dr. Cathy Wigand is a Research Ecologist with the US EPA, located in Narragansett, RI. Cathy has conducted research in salt marshes for over 15 years. Her work includes developing indicators of marsh health, assessing effects of anthropogenic stressors on coastal habitats, and more recently, developing strategies to build marsh system resiliency in the face of nutrient over enrichment, accelerated sea level rise, and climate change. She attained her Ph.D. from the University of Maryland in 1994 and joined the US EPA in 1997.