

2015 Coastal NH Climate Summit Speakers & Panelist Biographies

Dr. David Burdick is Research Associate Professor of Coastal Ecology and Restoration in the Department of Natural Resources at the University of New Hampshire, where he has taught wetlands courses over the past sixteen years. He received a doctorate in Marine Sciences at LSU in Baton Rouge. His study of coastal science spans 35 years, concentrating on coastal ecosystems, assessing human impacts, and planning, implementing and assessing habitat restoration at the Jackson Estuarine Laboratory, where he serves as Interim Director. In 2012 he won the Susan Snow-Cotter Visionary Award from the Gulf of Maine Council for the Marine Environment for his efforts to restore vitally important habitats and reconnect people to benefit from them. He recently published a book with Charles Roman to translate and extend lessons learned from tidal restoration of salt marshes in the Northeast US and Canada. Outreach products include Dock Design with the Environment in Mind (to protect eelgrass), Eelgrass Site Selection Model, and two habitat restoration atlases for coastal New Hampshire. Recent projects include: shoreline rehabilitation at sites in NH and Maine, coastal resilience initiatives to plan for sea level rise in Exeter and Portsmouth NH, and measuring responses of salt marshes to rising sea level, including blue carbon storage.

Katie Callahan

In 1994 began a career as a Geographic Information Systems (GIS) specialist at the NH Dept. of Environmental Services; and in 2003 transferred to become the GIS Coordinator for NH Fish & Game. GIS activities contribute to the work and services of the whole Department, but current focus is on completing spatial analyses for the 2015 NH Wildlife Action Plan.

Jo Sias Daniel, PhD, PE

Dr. Jo Sias Daniel is a professor in the Department of Civil and Environmental Engineering at the University of New Hampshire. She received her BS degree in Civil Engineering from UNH and her MS and PhD degrees in Civil Engineering from North Carolina State University. She has worked on various research projects for state and federal roadway agencies that focus on pavement design and performance, characterization and the use of recycled materials in pavements, and the impact of climate on pavement performance and design. Current research projects include development of guidelines for assessment of flooded pavements (FHWA) and Climate adaptation for road infrastructure in coastal N.H. (NH SeaGrant). She serves as the co-director for the Infrastructure and Climate Network (ICNet) and as the director for the UNH Center for Infrastructure Resilience to Climate (UCIRC). She will be spending 4 months this fall in the UK as a Fulbright Scholar. In her spare time, she enjoys spending time outdoors with her husband and three daughters and has been known to catch a Bruce Springsteen concert or two.

Sherry Godlewski has worked for NH Department of Environmental Services for 18 years, and has experience in the water, air, waste, and environmental health programs. Sherry is the Outreach and Education coordinator for the Air Resources Division. She currently works on Climate Change Adaptation efforts. Sherry currently serves as co-chair of both the Coastal Adaptation Workgroup and the Upper Valley Adaptation Workgroup. She represents New Hampshire in regional adaptation workgroups. Sherry has a M.S. in Environmental Communication and Administration from Antioch University.

Abigail Gronberg, Piscataqua Region Estuaries Partnership Intern, is a recent graduate from TIDES (Training for the Integration of Decisions and Ecosystems Science) professional Master of Science program at the University of New Hampshire. An intern for the Piscataqua Region Estuaries Partnership, she assisted with the recently published Piscataqua Region Environmental Planning Assessment (PREPA). Prior to TIDES, she received a Bachelor of Science degree in environmental conservation studies and political science from the University of New Hampshire.

Joe Harrison

My role at CDFA is to continue to develop and manage our energy efficiency and renewable energy programs. Prior to joining the team here at CDFA I was a Project Developer for a national solar installer. During my seven years in that position I took 50MW's of projects from conception to commissioning. I have a deep understanding of what it takes to get a renewable energy project permitted, financed and constructed. Specific areas of focus of mine include solar for subsidized housing, municipalities and developing solar on brownfields and landfills. I have experience with numerous funding sources including state and federal rebates, low-income housing tax credits, Renewable Energy Credits and new market tax credits. I have developed projects in NJ, NH, MA and VT.

While growing up in mid-coast Maine I developed a passion for the outdoors and enjoy many activities including surfing, hiking and skiing. I live in Portsmouth with my wife and two children. I graduated from the University of Massachusetts in Amherst with a Bachelor's degree in Business Management.

Andrew Kellar is the founder of NhSolarGarden and after many years in the Biodiesel business as the owner of Simply Green Biofuels and founder of the Green Alliance, he went to work for UNH as the Entrepreneur in Residence of the Green Launching Pad program where he supported the launch of 14 clean tech companies. This is where he learned about solar development thru his 2 year role with Clay Mitchell and Revolution Energy. Currently he is focusing his efforts on Community Solar projects catered to schools, towns & nonprofits around New Hampshire & Massachusetts. With over 25 projects in NH and 20 MWs ready for construction in 2015, he hopes to share his experiences with the community to create stable energy costs for the next 20 years.

Julie LaBranche is a Senior Planner with the Rockingham Planning Commission in southeast New Hampshire and a native of New Hampshire. Her work in the region includes assisting communities with: development of Master Plans and policies; zoning ordinances and regulations relating to land use, natural resource protection, climate change planning, energy, and stormwater management; and integrating land use and transportation planning concepts. Julie participates as a member of the NH Sea Grant Policy Advisory Committee, NH Coastal Adaptation Workgroup, and as Vice President of Northern New England Chapter of the American Planning Association. She holds a BS in Geological Sciences from Salem State College, MA and a MS in Earth Sciences-Geology from Montana State University, Bozeman.

Jillian McCarthy, Stormwater Coordinator *NH Department of Environmental Services*

Jillian has been with NHDES for 13 years. She is currently the Stormwater Coordinator with the Watershed Assistance Section, which provides technical assistance to address nonpoint source pollution in New Hampshire. Jillian holds a BS in Environmental Conservation and Water Resource Management from the University of New Hampshire. She is the author of the *New Hampshire Homeowner's Guide to Stormwater Management* and co-authored the *New Hampshire Stormwater Manual*. Jillian coordinates the Soak Up the Rain NH program and manages federally funded (Section 319) projects throughout the state to protect clean water from the negative impacts of stormwater pollution.

Hande McCaw is a Coastal Engineer with over 10 years of experience in Numerical Modeling, Design and Permitting. Hande has joined GZA GeoEnvironmental in 2014 and provides storm surge/wave numerical modeling, and beach restoration expertise as well as technical modeling support, staff training and project management for GZA's coastal hydraulics and extreme flooding practice.

Clayton Mitchell

Clay has worked with local governments in New Hampshire in the land use planning and energy fields for the last 20 years. Clay is a founding partner of a NH-based company called Revolution Energy LLC, who developed solar and other energy projects using 3rd party-finance methods (through a power purchase agreement) in NH including a similarly financed combined heat and power (CHP) project and the only 3rd party financed solar hot air project in the country. Clay has directly participated at the local and state level in developing projects (13 projects with over 4 mw of capacity installed in solar PV, thermal and CHP) and policies that contribute to economic sustainability and secure energy resources for clients in the public and private sectors.

Neil Olson is a Hydrogeologist at the New Hampshire Geological Survey. Neil specializes in surface water hydrology and geomorphology, using GIS and modern mapping techniques such as LiDAR. Starting with the NHGS in 2010, Neil has worked on a variety of projects, including editing of the National Hydrography Dataset and Watershed Boundary Dataset, fluvial geomorphic assessments, geostatistical analysis of depths to bedrock, and extraction of unmapped headwater streams from LiDAR. Neil received his B.A. in Geosciences from Brown University in 2005 and his M.S. in Geology from Idaho State University in 2010.

Ally Phillip was awarded the Brian E. Doyle Fellowship from New Hampshire Sea Grant in June 2014. During her fellowship, she produced a report for the New Hampshire Coastal Adaptation Workgroup (NHCAW) and other professional climate adaptation assistance providers. Ally's involvement with NH Sea Grant sparked her passion for local-level environmental work. Ally is the Program Administrator for the New England Grassroots Environment Fund, an organization that seeks to energize and nurture long term civic engagement in local initiatives that create and maintain healthy, just, safe and environmentally sustainable communities. She coordinates the small grant program and plans events and trainings for the organization. Ally received her Bachelor of Science degree in Environmental Conservation Studies with a concentration in International Environmental and Natural Resource Policy from the University of New Hampshire. She currently lives in Durham, New Hampshire.

Cory Riley is the manager of the Great Bay National Estuarine Research Reserve within the NH Fish and Game Department. Prior to the three years she has been in this role,

Cory worked for ten years with the National Oceanic and Atmospheric Administration. Throughout her career she has helped to develop and advance coastal education, research, training and land stewardship programs. Cory holds a Bachelor's Degree in Biology from the College of William and Mary and a Master's in Environmental, Coastal and Ocean Science from the University of Massachusetts, Boston.

Tonna-Marie Surgeon Rogers

Ms. Rogers presently serves as the Program Coordinator for the Coastal Training Program at the Waquoit Bay National Estuarine Research Reserve (WBNERR) which provides science-based information to decision-makers in Massachusetts to support improved management of coastal resources. Trained as a scientist, science translator, stakeholder engagement specialist and project manager, Tonna-Marie develops programs to convey knowledge and skills to decision-makers on addressing coastal issues such as climate change, water quality, nutrient pollution and hazard risk management. A native of Jamaica, Tonna-Marie's career has spanned working in both the Caribbean and the United States. Prior to working at WBNERR she worked extensively with Caribbean government entities on linking environmental and disaster risk management to reduce impacts from coastal hazards and climate change.

As part of her role at WBNERR, Tonna-Marie served as the Project Manager and the Collaboration Lead for the Bringing Wetlands to Market blue carbon research project and coordinated all aspects of project and team operations. Her responsibilities also included designing and implementing stakeholder engagement and collaboration processes to link researchers and end users of the science. Tonna-Marie holds a Master's degree in Biological Oceanography and a Bachelor's degree in Environmental Sciences. She is a Fulbright Scholar and a J. Knauss Fellow.

Fay Rubin has served as Director of the GRANIT System, the NH statewide geographic information system, since its inception in the mid 1980's. In that capacity, she has overseen a variety of data development, system implementation, and application projects addressing planning and resource management issues at the state, regional and local levels. In addition to core GRANIT clearinghouse activities, current state projects include managing the 2015 statewide orthophoto program and collaborating on the acquisition and management of statewide LiDAR topographic data, managing the NH Broadband Mapping & Planning Program, and working on expanded web viewing platforms (including GRANITView and the Coastal Viewer) to support data exploration and decision-making by NH stakeholders. Fay leads the University of New Hampshire's Cooperating Technical Partnership with FEMA, and under that program is active in various floodplain mapping, risk management, and hazard mitigation initiatives in the state.

Cameron Wake

Cameron Wake is a research associate professor at the Institute for the Study of Earth, Oceans and Space at the University of New Hampshire and is the Josephine A. Lamprey Fellow in Climate and Sustainability at the UNH Sustainability Institute. Cameron leads a research program investigating regional climate and environmental change through the analysis of ice cores, instrumental data, and phenological records. Cameron also directs Carbon Solutions New England, a public-private partnership promoting collective action to achieve a clean, secure energy future while sustaining our unique cultural

and natural resources More on Cameron's research is available online at:

<http://www.eos.sr.unh.edu/Faculty/Wake>

Dr. Wake received a Bachelor's of Science in Geology (1984) from the University of Ottawa, a Master's degree in Geography (1987) from Wilfrid Laurier University, and a Ph.D. in Earth Sciences (1993) from the University of New Hampshire.