

Speaker Biographic Information (Listed alphabetically by last name)
28th Annual Nonpoint Source Pollution Conference, Northampton, Massachusetts

Bourdeau, Daniel, Geosyntec Consultants, Inc.

Mr. Bourdeau is a registered professional engineer with over 12 years of experienced in civil and water resource engineering. Mr. Bourdeau is a Certified Professional in Erosion and Sediment Control and Surface Water Quality. He has expertise in stormwater management, specifically with planning and design of green infrastructure and advanced media filtration practices.

Braga, Andrea, Geosyntec Consultants, Inc.

Ms. Braga has over 12 years of experience in water resources and environmental engineering, specializing in the design and construction of low impact development (LID) and green infrastructure (GI) techniques for stormwater management control. She has extensive experience in watershed hydrologic and hydraulic modeling. She has managed a variety of projects, including overseeing one of the firm's largest projects for nationwide construction stormwater audits. She has also been involved in urban and highway stormwater BMP design, monitoring, protocol development, and data analysis through her continued involvement in the Low Impact Development and Pervious Pavement Committees of the Environmental Water Resources Institute.

Covino, Stefanie, Mass Audubon

Stefanie has a Masters of Environmental Science and Policy from Clark University and has extensive experience in outreach and public engagement. Her work with Mass Audubon's award-winning Shaping the Future of Your Community program informs, empowers, and connects people and places to create resilient communities through smart development and targeted natural resource protection.

DeMarco, Gina, Northern RI Conservation District

Gina has been District Manager of NRICD since 1990. She has worked in partnership to develop several outreach and education programs, including the Scituate Reservoir Watershed Education Program, designed to protect and improve water quality. Outreach materials are uniquely created to achieve the conveyance of conservation messages to a variety of audiences including students, teachers, businesses, new residents, home owners, etc. In addition to outreach and education Gina has worked to implement several on the ground projects designed to protect water quality. Gina's educational background is in environmental technology and chemistry from CCRI and Rhode Island College, and she has been self-educated in the area of the impacts of land use on water quality and marketing programs. Learn more about NRICD's education and outreach programs at www.nricd.org or www.landwaterconnection.org.

England, Kate, Boston Water and Sewer Commission

Kate England, ENV SP, currently serves as the Boston Water and Sewer Commission's project coordinator for stormwater infrastructure. She is one the primary architects of this inter-agency partnership and has personally overseen the partner coordination, design, and construction elements of the project. Rich Claytor is President and Director of Engineering at the Horsley Witten Group and serves as the principal engineer on the design work for this project. He has over three decades of water resource management experience with specific expertise in stormwater management, hydrologic/hydraulic modeling, watershed protection, restoration implementation, Low Impact Design (LID) research and development, and construction administration.

Hartzel, Bob, Geosyntec Consultants

Bob Hartzel is a Principal with Geosyntec Consultants. Bob is a Certified Lake Manager (CLM), Certified Professional in Sediment and Erosion Control, and wetland scientist with over 20 years

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of experience in managing river, lake, and wetland restoration projects. On behalf of MassDEP, Bob recently led updates to the Massachusetts Nonpoint Source Management Program Plan and the Massachusetts Clean Water Toolkit, and development of the Massachusetts Watershed Based Plans website the first statewide watershed planning tool of its kind in the country.

Houle, James, University of New Hampshire - Stormwater Center & Boulanger, Bill, City of Dover Public Works and Utilities

James Houle is the Program Director for the Stormwater Center. His responsibilities include directing and managing the Stormwater Center's growing body of research projects. Areas of expertise include diffusion of innovative stormwater management solutions, the design and implementation of innovative stormwater control measures including green infrastructure (GI), and low impact development (LID) strategies, planning and implementation, operation and maintenance, and water resource monitoring.

Dr. Houle holds a Ph.D. in Natural Resources and Environmental Science and has over fifteen years of experience with water quality related issues in New England and is a certified professional in storm water quality (CPSWQ) and a certified professional in erosion and sediment control (CPESC).

Bill Boulanger is currently the Superintendent of Public Works and Utilities for the City of Dover, N.H. Bill is a longtime member of the New Hampshire Water Works Association, and has been a member of the Board of Directors for the past 7 years. He has taught numerous classes for NHWWA and mentored many municipal employees in water related management.

During the past 10 years, Bill has been the primary City contact and supervisor over a decade long watershed restoration project entitled: Getting to 10%: Watershed Restoration through Low Impact Development Retrofits in an Urban Environment. The focus area for the project is the Berry Brook watershed that consists of a mile long stream in a 185-acre watershed in a downtown, mixed use neighborhood that is nearly completely built-out with over 30% impervious cover (IC).

Jacobs, Kira, US EPA Region 1

Kira Jacobs has worked for the U.S. EPA's Region 1 Office in Boston since 1997. For the past 16 years has worked in the non-regulatory Source Water Protection program in the Drinking Water Branch. Her work is focused on providing technical assistance to the Kira works with many partners including water utilities, land trusts, government agencies, and non-profits to help New England's water suppliers and communities protect their sources of drinking water. Prior to EPA, Kira spent four years working for a national environmental engineering consulting firm based in New Hampshire.

Kira received a Master's degree in Environmental Management from Duke University and a Bachelor's degree in English from Bucknell University. Kira is an avid hiker, a mediocre surfer and a certified yoga teacher.

Jewell, Charlie Boston Water and Sewer Commission & Wible, Daniel, CH2M

Charlie Jewell currently holds the position of Director of Planning and Sustainability at the Boston Water and Sewer Commission. He has over 27 years of experience directing and supporting public projects. Charlie earned a Bachelor of Science Degree from Texas State University in Urban and Regional Planning, a Master of Urban and Regional Planning from Texas A&M University and a Master of Business Administration from UMass Boston.

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Daniel Wible has more than 16 years of experience in the research and design of stormwater Best Management Practices with focus on sustainable site design, innovative stormwater management, and hydrologic analysis. He is currently involved in the design of numerous site and stormwater management designs in Philadelphia, Lancaster, PA, Boston, and New York City. In addition, Daniel is a LEED™ Certification Project Reviewer for USGBC, National and International, where he has reviewed select credits (e.g., stormwater, erosion control, water efficiency) for projects seeking LEED Certification (over 500 projects reviewed from 2003 to the present). Daniel co-authored the chapter on selecting green infrastructure (GI) controls in the Water Environment Federation's book "Green Infrastructure Implementation", published in 2014.

Kennedy, Cristina, MA Office of Coastal Zone Management

Cristina Kennedy is the Coastal Habitat and Water Quality Specialist for the Massachusetts Office of Coastal Zone Management. She has worked on a variety of coastal habitat and water quality projects including a Watershed Science and Management fellowship at the Charles River Watershed Association and a near-shore seafloor habitat mapping project with the Center for Coastal Studies. She currently coordinates CZM's Coastal Pollutant Remediation Grant Program and the regional Marine Invader Monitoring and Information Collaborative program. She holds a B.S. in Biology from Boston College and an M.S. in Coastal Ecology from the University of Massachusetts, Amherst.

Ketzer, Daniel, PrincetonHydro

Mr. Ketzer is a licensed professional engineer with Princeton Hydro working out of their New England Regional Office. He has over 9 years of experience working on river restoration and stormwater management projects with a focus on cross-discipline collaboration with engineers, scientists, and regulators to design, permit, and implement sustainable and cost effective restoration and stormwater solutions. He has an expertise in translating innovative designs into functional riverine and stormwater models and engineering construction drawing sets. In his current role, he supports dam removal projects with an emphasis on passive sediment management and river restoration.

Kuchar, Brian, Horsley Witten Group, Inc.

Brian Kuchar, RLA, P.E., LEED accredited professional, Horsley Witten Group, Inc. has over 17 years of experience in the combined fields of landscape architecture and environmental engineering including: site planning, stormwater management, green infrastructure, ecological restoration, and land management planning. Brian has been employed in both the public and private sector and has experience with a broad range of projects including institutional, commercial and residential land development, multi-use paths, park design, and ecological restoration. He has also served as an adjunct professor in the Landscape Architecture Department at the University of Rhode Island. Brian served as the Project Manager and lead designer for this Project.

Brian Byrnes, CPSI, Deputy Superintendent - Providence Department of Parks and Recreation, holds a degree in Urban Planning from the University of Rhode Island. Brian has over 30 years of experience as a contractor for site work and landscape construction in Rhode Island. Throughout his career, he has participated in the construction of over 100 storm water retrofits and drainage projects. As Deputy Superintendent, his main responsibility is to oversee design and construction

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projects throughout the Parks system, focusing on engaging the community and creatively using resources to make unique and sustainable community spaces. Brian brings a unique perspective to this presentation. Prior to joining Providence Parks, Brian served as the contractor project manager and oversaw the construction of four of the first five practices built within the park in 2013.

Mattson, Mark, MassDEP

Dr. Mattson received a BS in Ecology from the University of Minnesota and later received his doctorate from Cornell University. He is currently with the Massachusetts Department of Environmental Protection working on TMDLs and nutrient criteria for the state's water quality standards.

Muthukrishnan, Swarna & Lees Zachary, Clean Ocean Action & Karen Reynolds, Environmental Canines Services LLC

Swarna Muthukrishnan, PhD. Swarna is the Staff Scientist for Clean Ocean Action. At COA, Swarna helps to develop and implement science-based, strategic policies and campaigns to reduce marine pollution, monitoring and management of water pollution issues, with a focus on improving policy initiatives to address the same in a sustainable manner. Swarna received her PhD in Environmental Sciences (Jawaharlal Nehru University, New Delhi, India), MS Graduate Certificate in Pharmaceutical Chemistry (University of Florida), and completed a Certificate Program in Biological Wastewater Treatment from UNESCO-IHE Institute for Water Education (Delft, The Netherlands). She has many years of experience in research and development, analytical techniques, laboratory and field investigations, sampling and monitoring methods, quality practices (QA/QC), scientific data analyses, scientific communication, monitoring and management of innovative treatment technologies and best management practices (BMPs) in water, wastewater, stormwater, sediments, soils, and reclaimed water. Swarna was Principal scientist in developing and implementing an innovative, award-winning, patented technology focusing on sustainable, cost-efficient wastewater nutrient treatment. She was also previously an ORISE Environmental Scientist at the US.EPA's Urban Watershed Management Branch, in Edison, NJ, where she investigated different stormwater BMP performance efficiencies.

Zachary Lees, Esq. Zach is the Coastal Policy Attorney for Clean Ocean Action. Through his work at COA, Zach helps to shape regional and national ocean protection policies and regulations including work on water quality and pollution issues, dredge and fill and coastal development issues, energy infrastructure, and marine debris among many others. Zach attained a JD degree and a Master's Degree in Environmental Law and Policy at Vermont Law School, graduating cum laude, and completed EPA's Water Quality Standards Academy and NOAA's Green Infrastructure for Resilience training. He has a varied background from sea to mountains as a legal clerk and Sea Kayak Guide in Alaska, a fellow at the International League of Conservation Writers, and interests including writing, climbing, hiking, and skiing in New England, and surfing and paddling along the coastline of New Jersey.

Karen Reynolds. Karen is the Co-Founder, majority Owner, and President of Environmental Canines Services LLC (ECS), the only company in the world to use scent trained canines to detect and source track human wastewater contamination in stormwater systems and surface waters. She has trained her own ECS canines and worked with them all over the country for the past 7 years. Karen has been a professional dog trainer and working canine handler for over 25 years. Karen handled air scent, tracking, and human remains detection canines on numerous missing persons

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cases and worked with her disaster trained canine in one of the biggest tornado disasters in Oklahoma's history. They were inducted into the Oklahoma Veterinary Medical Association Animal Hall of Fame for their search and rescue work during that disaster. Karen has a Master's degree in Clinical Psychology from Southern Illinois University- Edwardsville and a Bachelor's degree in Business Administration from the University of Oklahoma.

Noake MacPhee, Kimberly, Franklin Regional Council of Governments

Kimberly Noake MacPhee, P.G., CFM, manages the Franklin Regional Council of Governments' Land Use and Natural Resources Planning Programs. She is a registered Professional Geologist and Certified Floodplain Manager with over 25 years of private and public sector work experience. Her current projects focus on green infrastructure, fluvial geomorphology and erosion hazards, natural hazard mitigation, climate change, and nonpoint source pollution.

Ms. MacPhee holds a B.A. in Geology from Smith College and a M.A. from Boston University's Center for Energy and Environmental Studies, where her work focused on water resources management, environmental law, and land use planning.

The Franklin Regional Council of Governments (FRCOG) is a regional organization that serves the 26 towns of Franklin County, Massachusetts. FRCOG provides a variety of programming, products and services to our member towns and our Planning Department serves as the Regional Planning Agency for Franklin County.

Torizzo, Andres Watershed Consulting Associates & Jensen, Kimberly, Lamoille County Conservation District

Mr. Torizzo is the principal hydrologist and co-owner of Watershed Consulting Associates, LLC, a Vermont-based firm specializing in stormwater management consulting services. He has extensive experience with watershed investigations, stormwater management evaluations, site design, modeling, permitting, and GIS mapping & analysis in Vermont and the NE Region. Mr. Torizzo has successfully completed numerous stormwater retrofit assessments and designs, both site and watershed-scale, with a focus on GSI and LID applications. Mr. Torizzo holds an Undergraduate Degree in Geological Sciences from Tufts University and a Master's Degree in Geography (Hydrology Focus) from the University of Colorado at Boulder.

Ms. Jensen is the Director of Lamoille County Conservation District, a Natural Resources Conservation District located in Vermont. She has implemented a wide range of applications to protect, conserve, and restore ecosystems and waterways ranging from the installation of Green Stormwater Infrastructure projects, to the coordination of public participation for a large-scale EPA Cleanup Agreement on the Housatonic River. Ms. Jensen has networked with municipalities, landowners, partnering agencies, and field professionals to complete sustainable projects that have long term benefits for their communities. Ms. Jensen holds an Undergraduate Degree in Environmental Sciences from the SUNY College of Environmental Science and Forestry at Syracuse, and a Master's Degree in Science Education from Johnson State College in Vermont.

Tremblay, Michele, New Hampshire Rivers Council & Landry, Stephen, New Hampshire Department of Environmental Services Watershed Assistance Section

As principal of naturesource communications, Michele serves as a consultant to nonprofit organizations, governments, and businesses. With her strong business background in management, marketing, and communication with twenty year of natural resource experience, she helps her clients with their organization management, capacity building, communication, and natural

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resource planning needs. Michele's clients include local, state, federal, and transboundary governments; nonprofits; watershed associations; landowner association; and grassroots groups. She has provided capacity building services including training in volunteer recruitment and management and fund development. Naturesource communications provides a full suite of organizational support including event planning and facilitation.

Michele was appointed by the Governor of New Hampshire to represent conservation interests on the state Rivers Management Advisory Committee (currently as vice-chair), Public Water Access Advisory Board, and Water Council. She is president of the board of directors of the New Hampshire Rivers Council and is interim co-chair of the New Hampshire Lives on Water Steering Committee. Michele has served as a representative to the Upper Merrimack River Local Advisory Committee since its inception in 1990. Since 1995 she has served as its chair and Program Director for the committee's Upper Merrimack Monitoring Program. Michele is a recipient of a National River Hero Award and named the first New Hampshire River Conservationist of the Year in 1998 by the NH Department of Environmental Services. When Michele is not working for her clients or meeting her myriad of volunteer commitments, she can be found enjoying the outdoors, appreciating the seclusion of her camp, and constantly thinking of strategies to protect and restore natural resources.

Steve started his professional career with the New Hampshire Department of Environmental Services (DES) in the Limnology Center managing diagnostic feasibility studies, and coordinating paleolimnological and bioassessment projects for New Hampshire lakes. In 2001, Steve transitioned into the Watershed Assistance Section where he managed U.S EPA Section 319 funded Watershed Assistance Grant projects for high quality and impaired waters within the Merrimack and Connecticut River basins. Steve has been the Watershed Assistance Section Supervisor since August 2015 where he has the privilege of working with the best Nonpoint Source Pollution prevention and restoration staff on the planet. He volunteers as the vice chair of the Upper Merrimack River Local Advisory Committee, sampling supervisor of the Upper Merrimack Monitoring Program, and participates in the New Hampshire Volunteer Lake Assessment Program on Walker Pond in Webster, NH. With any remaining free time, Steve can be found either training for or recovering from the Boston Marathon, enjoying the outdoors with his wife, or managing all of the NPS pollution generated by their four cats.

Walker, Harold, NYS Center for Clean Water Technology-Stony Brook University & George Heufelder, Massachusetts Alternative Septic System Test Center

Dr. Harold W. Walker serves as the co-Director of the NYS Center for Clean Water Technology. Dr. Walker is also Professor and Founding Chair of the Department of Civil Engineering at Stony Brook University. Prior to coming to Stony Brook University, Dr. Walker was a Professor in the Department of Civil, Environmental, and Geodetic Engineering at Ohio State University and also served as the Director of the Ohio Water Resources Center. Dr. Walker received his M.S. and Ph.D. in Civil and Environmental Engineering from the University of California, Irvine and his B.S. degree in Environmental Engineering from Cal Poly, San Luis Obispo. Dr. Walker's research focuses on the development of innovative technologies to produce clean water. His research has been supported by a number of funding agencies including NSF, USEPA, USGS, NOAA as well as a host of state agencies and other sources. Dr. Walker is also a registered Professional Engineer.

George Heufelder is the Director of the Massachusetts Alternative Septic System Test Center which was established to provide Boards of Health with third-party information on the performance and operation of alternative septic systems that purport to remove nitrogen. George

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also served as the Director of the Barnstable County Department of Health and the Environment, which serves the 15 towns on Cape Cod. George has a B.S. in Biology from Kansas State University and a M.S. from Eastern Michigan University in Aquatic Biology, is a Registered Sanitarian, Certified Soil Evaluator, System Inspector and Class 4 Wastewater Treatment Plant Operator.