

Many thanks to our generous
2013 Conference Sponsors

The logo for geotech, with 'geotech' in a lowercase sans-serif font. The 'e' is red and underlined, while the rest of the letters are grey.The logo for Stone Environmental Inc, featuring a stylized purple and white icon of a mountain or rock formation to the left of the text 'STONE ENVIRONMENTAL INC' in a purple, all-caps sans-serif font.The logo for GBIC, featuring a green diamond shape containing a white tree icon to the left of the text 'GBIC' in a green, all-caps sans-serif font. Below this is the tagline 'Good Jobs In A Clean Environment' in a smaller, italicized green font.The logo for the Vermont Agency of Agriculture, Food & Markets, featuring a green silhouette of a mountain range to the left of the word 'VERMONT' in a large, black, serif font. Below this is the text 'AGENCY OF AGRICULTURE, FOOD & MARKETS' in a smaller, black, all-caps sans-serif font.The logo for the Vermont Agency of Natural Resources, featuring a green silhouette of a mountain range to the left of the word 'VERMONT' in a large, black, serif font. Below this is the text 'AGENCY OF NATURAL RESOURCES' and 'Department of Environmental Conservation' in a smaller, black, all-caps sans-serif font.The logo for Middlebury, with the word 'Middlebury' in a large, blue, serif font.The logo for Main Street Landing, featuring a green house silhouette with yellow sun rays above it, and the text 'MAIN STREET LANDING' in white, all-caps sans-serif font inside the house.The logo for Community Investments, featuring the letters 'CI' in a large, red, serif font inside a red square border. Below this is the text 'COMMUNITY INVESTMENTS', 'S. Strafford, VT 05070', and '802-765-4102' in a smaller, black, all-caps sans-serif font.

**Vermont Environmental
Consortium: A Leader in
the Green Economy**

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VEC 2nd Annual Water Quality Conference: Stormwater

**March 14, 2013
Main Street Landing, Burlington
8:00 am to 3:15 pm**

Be sure to check out all exhibitor and sponsor booths. Main Street Landing offers walking tour signage throughout building and on the 2nd floor is the History of The Burlington Waterfront Photograph Exhibit.

CONFERENCE MISSION:

Stormwater runoff is Vermont's most common cause of water pollution. Rainwater and snowmelt run off streets, lawns, farms, and construction and industrial sites where it picks up fertilizers, dirt, pesticides, oil and grease, and many other pollutants on the way to our streams, rivers, and lakes. Thank you for joining us today to discuss strategies for minimizing the impacts of stormwater runoff, and how these strategies are currently being implemented in Vermont.

CONFERENCE AGENDA:

8:00 to 8:30 AM - Coffee and Networking

8:30 AM - Welcome

•Miro Weinberger, Mayor, City of Burlington

8:45 AM - Setting the Stage

•David K. Mears, Commissioner, Department of Environmental Conservation

•Chuck Ross, Secretary, Agency of Agriculture, Food and Markets

9:00 AM - Water Quality Remediation, Implementation, and Funding: The Act 138 Report

•Kari Dolan, Ecosystem Restoration Program, Vermont DEC

•Karen Horn, Vermont League of Cities and Towns

•Tom Torti, Lake Champlain Regional Chamber of Commerce

•Kim Greenwood, Vermont Natural Resources Council

10:00 AM - Break, Networking, Visit Exhibits

10:30 AM - General Permit for Small Municipal Separate Storm Sewer Systems (MS4): Its Implementation

•Christy Witters, DEC Stormwater Program

•Megan Moir, Stormwater Plangineer, City of Burlington

•Wayne Elliot, Aldrich and Elliot Water Resource Engineers

11:30 AM - Stormwater Management in Vermont's Non-MS4 communities

•Julie Moore, Stone Environmental

•Fred Dunnington, Town Planner, Middlebury

•Ross Saxon, Lake Champlain International

12:30 PM - Lunch on your own. Visit Exhibits. (Please see list of dining suggestions below)

1:45 PM - Making Green Infrastructure and Low Impact Development Commonplace

•Stephanie Hurley, UVM, Assist. Professor, Plant and Soil Science

•Peter Smiar, Civil Engineering Associates

•Danielle Fitzko, VT Dept. of Forests, Parks and Recreation

•Rebecca Tharp, Winooski Natural Resources Conservation District, Let it Rain Program

3:00 PM - Discussion: How can WE more effectively manage Stormwater in Vermont?

3:15 PM - Adjournment and networking. Visit Exhibits

WIFI available

Suggested Dining Close to Event:

Skinny Pancake
First floor of event building

Sugar Snap at ECHO
1 College Street

Burlington Bay Market & Cafe
125 Battery Street

Logans of Vermont
30 Main Street

Cobblestone Deli
152 Battery Street

Big Fatty's BBQ
55 Main Street

August First Bakery & Café
149 South Champlain Street



CONFERENCE SPEAKER BIOS

Mayor Miro Weinberger, Burlington, VT

Miro Weinberger, 43, was elected Mayor of Burlington on March 6, 2012 in a landslide 21-point victory in his first run for elected office. By all accounts, Mayor Weinberger's focus on financial responsibility and getting the City moving again, as well as his embrace and aggressive use of social media, played a significant role in his decisive election win. In November 2012, Mayor Weinberger's \$9 million fiscal stability bond passed with 72% of the popular vote (well beyond the required two-thirds majority). The Weinberger Administration has made significant improvements to the Burlington bike path, a miles-long recreation jewel along Lake Champlain, treasured by residents and visitors alike, and considerable progress on renovating and rebuilding the community's parks. Mayor Weinberger was born and raised in Hartland, Vermont. Miro is the son of a school teacher and an architect. He left the state for college, worked in Washington, DC for Senator Patrick Leahy (D-VT) and on the reelection campaign for Senator Harris Wofford (D-PA), worked for Habitat for Humanity in Georgia and Florida and the Greyston Foundation in Yonkers, New York. He earned a master's degree in Public Policy and Urban Planning from the Kennedy School of Government.

David K. Mears, Comm., Dept. of Environmental Conservation

David K. Mears was appointed Commissioner of the Vermont Department of Environmental Conservation by Governor Shumlin in January 2011. Commissioner Mears has held a number of positions in state and federal government including positions in Texas as an Enforcement Coordinator in the Texas Water Commission, Assistant Attorney General in the Texas Office of the Attorney General, and Senior Attorney for Water Quality with the Texas Natural Resource Conservation Commission. He left Texas to serve as the Energy and Environmental Policy Director with the Texas Office for State-Federal Relations in Washington, DC, then served both as a Trial Attorney and Counselor for State and Local Affairs with the U.S. Department of Justice, Environment and Natural Resources Division. Following his time at the Department of Justice, he was appointed Senior Assistant Attorney General and Chief of the Ecology Division in the Washington Office of the Attorney General. Immediately prior to his appointment as Commissioner, Mears was a Professor of Law at Vermont Law School, a U.S. Fulbright Scholar in China, and Director of the law school's environmental and land use law clinics. Commissioner Mears has a degree in environmental engineering technology from Cornell

University, and Juris Doctor and Masters of Environmental Law and Policy degrees from Vermont Law School. He lives in Montpelier with his wife Nancy Mears and their three children.

Chuck Ross, Sec., Agency of Agriculture, Food & Markets

Chuck Ross has served as U.S. Senator Patrick Leahy's State Director for the past 16 years. Prior to joining Leahy's staff, Ross was a farmer and legislator from Hinesburg, Vermont. During his six years in the Vermont State Legislature, Ross served as Chair of the House Natural Resource and Energy Committee. He has served on the Board of Directors at Shelburne Farms; on the Advisory Board of the Rubenstein School of Environment and Natural Resources at the University of Vermont; as an advisory member of the Vermont Council on Rural Development; and as Vermont's National Democratic Committeeman. Ross formerly served as a trustee at Fletcher Allen Health Care; a trustee at the University of Vermont; a member of the Hinesburg Planning Commission; and a member of the Chittenden County Regional Planning Commission. Born in Burlington, Vermont, he graduated from the University of Vermont with a B.A. in Geography in 1978 and from the University of Washington with an M.A. in Geography in 1982. Ross is married with three children and lives in Hinesburg, Vermont.

Kari Dolan, Ecosystem Restoration Program, Vermont DEC

Kari Dolan is the Manager of the Vermont Department of Environmental Conservation's Ecosystem Restoration Program which focuses on restoring and protecting the State's rivers, lakes, ponds, and wetlands. The program administers approximately \$3 million in water quality grants to municipalities and other partners. Ms. Dolan had been the River Corridor and Floodplain Manager for the State's Rivers Program. Prior to joining the Department, Ms. Dolan worked as the Water Resources Project Manager for the National Wildlife Federation's New England office for 12 years, where she managed stream restoration projects and worked on regional and national water policy issues. Ms. Dolan holds two Masters Degrees in Environmental Science and Public Policy from the University of California at Berkeley and a biology degree from Princeton University.

Karen Horn, Vermont League of Cities and Towns

Director of VLCT Public Policy & Advocacy, (BA McGill University, MA UVM) worked at the VT Department of Housing and Community Affairs (DHCA) and MA Executive Office of Communities and Development (EOCD) before joining VLCT in 1987. She served 7 years on Moretown

and Washington West school boards, currently serves as Moretown Energy Coordinator and on the Planning Commission.

Tom Torti, Lake Champlain Regional Chamber of Commerce

Tom Torti is President of the Lake Champlain Regional Chamber of Commerce and has served in that capacity since October of 2006. Previously, Tom served for sixteen years in senior cabinet positions for two governors of different political parties including Commissioner of Personnel; Commissioner of Buildings and General Services; Deputy Secretary of the Agency of Administration and Secretary of the Agency of Natural Resources. Tom has actively served his community and the region as: a member of the Essex Select Board; Chair of the Essex Planning Commission; Commissioner of the Chittenden County Transportation Authority; Member of the Maple Leaf Farms Board of Directors; and through coaching youth sports. He currently serves as a member of the board of: the Committee on Temporary Shelter; Run-Vermont; Hunger Free Vermont and Burlington College. Mr. Torti graduated from St. Michael's College in 1976 with a BA in English and from the University of Vermont in 1978 with a M. Ed in Organizational and Human Resource Development.

Kim Greenwood, Vermont Natural Resources Council

Kim Greenwood, CPESC is VNRC's water program director and staff scientist. In that role, Kim leads VNRC on issues related to water, bringing science into policy conversations in living rooms, boardrooms, courtrooms, legislative committee rooms and the VNRC office itself. Kim has worked for Scitest Laboratories, the U.S. Army Corps of Engineers Cold Regions Research and Engineering Laboratory, Husky Injection Molding Systems, and the Vermont Agency of Natural Resources. She is former Principal of Solid Ground Environmental and holds degrees in Aquatic Resources from the University of Vermont and in Mechanical Engineering from Vermont Technical College.

Christy Witters, DEC Stormwater Program

Christy Witters manages the MS4, RDA and MSGP permitting programs for the Vermont Department of Environmental Conservation. She is currently focusing on Stormwater TMDL implementation through the intersection of the MS4, RDA and state stormwater permitting authorities.

Megan Moir, Stormwater Plangineer, City of Burlington

B.A. (Rice University, 1998); M.S. in Water Resources (University of Vermont, 2004). Since 2009, Megan has managed the City of Burlington's dedicated stormwater program. Prior to joining the municipality, she was

a technical reviewer for Vermont's Department of Environmental Conservation and later the Stormwater Scientist for the State's Center for Clean and Clear which focused on implementation of phosphorus reductions in the Northern Lake. She holds CPESC and CPWSQ certifications.

Wayne Elliot, Aldrich and Elliot Water Resource Engineers

Wayne is a Vice President with Aldrich + Elliott PC located in Essex, Vermont. He has over 27 years of experience in the planning, design, and construction of municipal water resources projects; stormwater, wastewater, and water. His involvement with the MS4 Phase II program began in 2002. Wayne is a graduate of the University of Vermont and a registered Vermont professional engineer. He is currently the treasurer of the Green Mountain Water Environment Association and a member of the Government Affairs Committee. He is also a member of the American Society of Professional Engineers and New England Water Environment Association.

Julie Moore, Stone Environmental

Since 2011, Julie Moore has been the Water Resources Group Leader at Stone Environmental in Montpelier. She has led the successful implementation of a variety of projects related to stormwater management, agricultural stewardship, wetland restoration, and riparian corridor protection. Specifically, she has overseen the design and construction of numerous low impact development practices, including bioretention treatment areas and subsurface gravel treatment wetlands, as well as water quality treatments on active dairy farms in Vermont. Prior to joining Stone, Julie worked for the Vermont Agency of Natural Resources where she was the director of the Clean & Clear Program. In that role, she managed the state's efforts to implement the TMDL (total maximum daily load) for phosphorus pollution in Lake Champlain. Julie is a registered professional engineer in Vermont.

Fred Dunnington, Town Planner, Middlebury

Fred Dunnington has been Middlebury Town Planner since 1981 (32 years) and Zoning Administrative Officer from 1981-2010. Received the VT Planners Association 2003 Award for Outstanding Planning Service for work with legislature on rewrite of Chapter 117 Planning & Zoning enabling statutes passed as Act 115. Dunnington was elected Chair of Addison County RPC 4 terms, Chair of VT Council of Regional Commissions 2 terms. Attended UVM and recieved BSC Agriculture and Environmental Studies, 1977, then worked on Lake Champlain Basin Study 1977-79, then as Planner at Franklin and Grand Isle County Regional Planning Commission until 1981.

Ross Saxon, Lake Champlain International

A Vermont native and graduate of the University of Vermont's Rubenstein School of Natural Resources, Ross Saxon is the Director of Conservation and Education at the EPA Merit Award-winning organization Lake Champlain International (LCI). Ross' passion is protecting water resources, and he focuses on motivating the public to become involved with solutions. The successful BLUER program, initiated by LCI and led by Ross since its inception, is expanding within the Lake Champlain basin and has gained national attention. Ross lives in Colchester with his wife and dog who all enjoy running, skiing, biking, fishing, hunting, and projects around their home.

Stephanie Hurley, UVM, Assistant Professor, Plant and Soil Science

Hurley's research integrates the fields of landscape architecture, land use planning, ecological restoration, and watershed protection. She takes a holistic approach to sustainable landscape design, recognizing the inherent diversity of landscapes and practicing the art of place-making, while aiming to facilitate healthy societal and ecological interactions through design. Her current research interests include analysis of watershed-scale impacts associated with urban and rural land uses, the application of green infrastructure for stormwater management, urban ecological agriculture, and the local food movement. Education: Doctor of Design (DDes), Harvard University; Master of Landscape Architecture (MLA), University of Washington; BS in Conservation and Resource Studies, University of California, Berkeley.

Peter Smiar, P.E., Civil Engineering Associates

As a consulting Civil Engineer, Peter has provided stormwater design, hydrologic analysis, and permitting services for public and private sector projects ranging from high-density urban sites utilizing subsurface infiltration facilities and rain gardens to rural projects utilizing stream buffers, treatment credits, and other low-impact treatment strategies. Mr. Smiar has provided professional civil and environmental engineering consulting services in Vermont and New York State since 2005, and is currently conducting independent research at the University of Vermont, School of Engineering. His studies focus on the feasibility of stormwater treatment retrofits in impaired watersheds. Peter lives in Burlington with his wife and two children.

Danielle Fitzko, VT Dept of Forests, Parks and Recreation

Danielle Fitzko has been working with trees for 20 years and is Vermont's Urban and Community Forestry Program Coordinator with the Department of Forests Parks and Recreation, a program geared towards helping communities plan, plant and care for trees. She is a Certified Arborist, a past board member of the International Society of Arboriculture, New England and Past Chairman of the Association of Vermont Conservation Commissions. Working with the Department of Environmental Conservation and many partners she is currently working to bring a new Green Stormwater Infrastructure Initiative to the Agency of Natural Resources.

Rebecca Tharp, Winooski Natural Resources Conservation District, Let it Rain Program

Rebecca is the District Manager for the Winooski Natural Resources Conservation District (WNRCD) where she focuses her technical efforts on stormwater management in the Winooski River watershed. Much of Rebecca's work involves the coordination of Let it Rain, a stormwater program offering financial and technical assistance to landowners throughout Vermont's Champlain Valley who install green infrastructure improvements to manage runoff. Ms. Tharp also manages the Chittenden County Stream Team, a coordinated effort between eight Chittenden County MS4 towns to engage with citizens in action-oriented projects and programs. Rebecca holds a Master of Science degree from the University of Vermont where she studied ecologically-based water treatment and a Bachelor of Arts Degree in Social Sciences from Harvard University.

VECs 2012 accomplishments

- Conducted a survey and published final report of prevailing industry rates for environmental consulting, environmental equipment rental and laboratory analysis in an effort to update the reimbursement rates used for the Petroleum Cleanup Fund (PCF). Survey conducted by Cardo ATC Associates Inc. in partnership with VEC.
- Held VEC Spring Water Quality Conference in March at Middlebury College in partnership with the VT Department of Environmental Conservation and VT Agency of Agriculture focusing on public policy tools used to address agricultural water pollution in Lake Champlain.
- Held VEC Annual Legislative Breakfast in Montpelier in March.
- Exhibited at the Slow Living Summit on May 30-June 1 in Brattleboro, VT.
- Held the VEC 2012 EXPO on Brownfields Successes in September at a rehabilitated industrial building in Springfield, VT.
- Co-Sponsored and exhibited at the VT Department of Environmental Conservation day long Forum: Brownfields Reuse Initiative on November 29 at Stoweflake Resort
- Completed the Elizabeth Mine Solar PV Pre Feasibility Study, partnering with the Strafford VT Energy Commission, and published a final report.
- Provided comments to the Secretary of State's Office on proposed language changes to the Professional Engineers Statute in an effort to protect interests of the environmental consulting community.
- Started work with Vermont Department of Labor to develop a Green Careers Website.

Since 2000, VEC brings businesses, educational institutions and state and U.S. government officials together to make Vermont a leader in the green economy. VEC promotes growth and job creation in Vermont's environmental business sector through networking, information sharing and special projects.

