



2014-17 Site Review Agenda

March 19-21, 2019

Burlington, VT



**Resilient
Communities and
Economies**



**Environmental
Literacy and
Workforce
Development**



**Healthy Coastal
Ecosystems**

Monday, March 18, 2019

Afternoon

Arrive at hotel
Dinner on own

DoubleTree Hotel

Tuesday, March 19, 2019

Davis Center, Mildred-Livak Room (419)

8:00 - 8:30 am Travel to UVM Davis Center (LCSG staff with van will pick up SRT at hotel)

8:30 to 9:15 am **Welcome and Overview of Lake Champlain Sea Grant Organization**

Standards: Organization (#1), Support (#3), Relationships (#7)

Presenter: Breck Bowden, LCSG Director

- History and current programming, and staffing structure

Healthy and Diverse Ecosystems

9:15 to 10:45 am **Overview of Issues in the Lake Champlain Basin and Results/Recommendations Used in Planning or Action Documents (PM1)**

Standards: Programmed Team Approach (#2), Support (#3), Relevance (#4), Productivity (#10)

Facilitator: Elissa Schuett, Research Coordinator

- Dr. Stephanie Hurley, Associate Professor, UVM Plant and Soil Science Department
- Dr. Carol Adair, Assistant Professor, UVM Rubenstein School of Environment and Natural Resources
- Dr. Danielle Garneau, Associate Professor, SUNY-Plattsburgh Center for Earth and Environmental Science
- Dr. Donna Parrish, Research Professor and Unit Leader, USGS Vermont Cooperative Fish and Wildlife Research Unit

10:45 to 11:00 am **Break**

Healthy and Diverse Ecosystems and Sustainable Lake-Based Tourism and Recreation

11:00 to 12:00 pm **Results/Recommendations Used in Planning or Action Documents (PM1) and Fishing Tournaments and Anglers Use Aquatic Invasive Species Spread Prevention Techniques (PM3)**

Standards: Programmed Team Approach (#2), Relevance (#4), Advisory Services (#5), Collaboration (#8)

Facilitator: Mark Malchoff, Aquatic Resources Specialist

- Tim Mihuc, Director, Lake Champlain Research Institute and Associate Director, LCSG
- Alyssa Senecal, Adirondack Coast Visitors' Bureau
- Gene Gilliland, Bassmaster Tournaments (via video)

12:00 to 1:00 pm **Lunch**
With morning and afternoon presenters

Protect and Restore Shorelines

1:00 to 2:00 pm **Efforts to Increase the Extent of Stream or Shoreline Habitat Restored or Protected (PM2)**

Standards: Programmed Team Approach (#2), Relevance (#4), Advisory Services (#5), Collaboration (#8)

Facilitator, Kris Stepenuck, Extension Program Leader

- Hilary Solomon, Director, Poultney-Mettowee Natural Resources Conservation District
- Bob Franzoni, Lake Bomoseen Lake Association President, LEAP Participant
- LEAP participants (via video)
- Paul Rocheleau, retired Science Teacher

2:00 to 3:45 pm **Site Review Team Daily Debrief/Working Session**

3:45 - to 4:00 pm **Break**

Effective Education

4:00 to 5:00 pm

Schools and Training Curricula Used for Watershed/Lake Protection and Restoration Activities (PM9 and PM10)

Standards: Education and Training (#6), Relationships (#7), Leadership (#9)

Facilitator: Ashley Eaton, Watershed and Lake Education Coordinator

- Dan Lerner, Associate Director and Chair, UVM Extension
- Kara Lenorovitz, Science Teacher, Colchester High School, and member of LCSG PAC
- Chase Rosenberg, Science Teacher, Edmunds Middle School
- Andy Barker, Teacher, Burlington City and Lake Program
- Victoria Nash and Marley Myers, Watershed Educators

Stakeholder Engagement

Move to Fireplace Lounge

5:00 to 6:00 pm

Reception with Program Advisory Committee and Legislative Staff

Standards: Organization (#1), Relevance (#4), Relationships (#7), Collaboration (#8)

- Local:
 - Jim Jutras, Village of Essex
 - Phelan Fretz, ECHO, the Leahy Center for Lake Champlain
- State:
 - Jill Arace, Director, Vermont Association of Conservation Districts
 - Heather Furman, Director, The Nature Conservancy of Vermont
 - Crea Lintilhac, Trustee, Lintilhac Foundation
 - Dan Albrecht, Senior Planner, Chittenden County Regional Planning Commission
 - Sonal Patel-Dame, Science Teacher, Plattsburgh, NY, High School
- Federal:
 - Eric Howe, Director, Lake Champlain Basin Program
- Tribal:
 - Chief Don Stevens, Chief, Nulhegan Abenaki Nation
- Congressional Staff:
 - Tom Berry, Field Representative, Senator Leahy's Office
 - Hayley Pero, Field Representative, Senator Sanders' Office
 - Thea Wurzberg, State Director, Representative Welch's Office
 - Jonathan Carman, Representative Stefanik's Office

6:30 pm

Transport to hotel (provided); Dinner on own

Wednesday, March 20, 2019

Organization and Support

8:00 to 9:00 am **Working Breakfast with LCSG Steering Committee (DoubleTree Hotel)**

Facilitator: Dean Nancy Mathews, Rubenstein School, University of Vermont

Standards: Organization (#1), Support (#3)

- Richard Galbraith, Vice President for Research, UVM
- Andrew Buckser, Dean, Arts & Sciences, SUNY-Plattsburgh
- Chuck Ross, State Director of Extension, UVM

9:00 to 9:30 am **Transport to meeting room, Old Mill 325, John F. Dewey Lounge (provided)**

Reduce Nonpoint Source Pollution

9:30 to 10:15 am **Basin Marinas have Clean Boating Programs (PM4)**

Standards: Programmed Team Approach (#2), Relevance (#4), Advisory Services (#5), Relationships (#7), Leadership (#9)

Facilitator: Kris Stepenuck, Program Extension Leader

- Mike Wichrowski, Vermont Fish and Wildlife Department
- Natasha Dunn, San Francisco Estuary Partnership (via Zoom call)
- Erin De Vries, Michigan Sea Grant, Great Lakes Clean Marinas Network (via video)
- David Kirby, Margarete Keesee, Carter Maxfield, and Mick Zack, undergraduate students, SEED Program (via video)

10:15 to 11:00 am **Commercial Properties use Low Input Grounds Care (PM5)**

Standards: Advisory Services (#5), Relationships (#7), Collaboration (#8)

Facilitator: Linda Patterson, Land-Use Planning and Water Quality Educator

- Eric Lampman, CEO, Lake Champlain Chocolates
- Lori Fisher, Director, Lake Champlain Committee
- Allison Neubauer, Great Lakes Outreach Associate, Illinois-Indiana Sea Grant (via video)
- Rory Malone, former UVM undergraduate and LCSG intern

11:00 to 11:15 am **Break**

11:15 to 12:30 pm **Mitigation of Stormwater from Impervious Surfaces (PM6)**

Standards: Support (#3), Relevance (#4), Advisory Services (#5), Relationships (#7), Collaboration (#8), Leadership (#9)

Facilitator: Marc Companion, Green Infrastructure Collaborative Outreach Professional

- Emily Bird, Assistant Program Manager, Vermont Clean Water Initiative Program, Vermont Department of Environmental Conservation
- Hannah Yates, ECO AmeriCorps
- Juliana Dixon, Salix Solutions
- Tom DiPietro, Public Works Director, City of South Burlington
- Lori Fisher, Director, Lake Champlain Committee

12:30 to 1:30 pm **Lunch**
With morning and afternoon presenters

1:30 to 2:30 pm **Mitigation of Stormwater from Impervious Surfaces (PM6)**

Standards: Programmed Team Approach (#2), Relevance (#4), Advisory Services (#5), Relationships (#7), Leadership (#9)

Facilitator: Marc Companion, Green Infrastructure Collaborative Outreach Professional

- Chris Navitsky, Waterkeeper, FUND for Lake George
- Holden Sparacino, Vermont Association of Conservation Districts

2:30 to 2:45 pm **Break**

Effective Climate and Weather Planning

2:45 to 3:30 pm **Municipalities have Climate Change Adaptation Ordinances (PM7) and Adopt Best Management Practices to Improve Climate Resiliency (PM8)**

Standards: Advisory Services (#5), Collaboration (#8), Productivity (#10)

Facilitator: Mark Malchoff, Aquatic Resources Specialist

- Liz Brownlee, former UVM Extension employee: Agriculturally Productive Buffers and Adoption of Their Use by 11 Riparian Landowners (via video)
- Bill Lowell and Bill Jacobus

3:30 to 4:45 pm **Site Review Team Daily Debrief/Working Session**

4:45 pm **Transport to hotel (provided)**

Thursday, March 21, 2019

Old Mill 325, John F. Dewey Lounge

7:30 to 8:00 am **Transport to meeting room (provided)**

Environmentally Literate Public

8:00 to 9:30 am **Effective Education in Formal and Non-Formal Settings; Number of training curricula used for training in watershed/lake protection and restoration activities (PM10)**

Standards: Programmed Team Approach (#2), Education and Training (#6), Collaboration (#8), Leadership (#9)

Facilitator: Ashley Eaton, Watershed and Lake Education Coordinator

- Andrea Champagne, Owner/Broker, Champagne Real Estate
- Colleen Hickey, Education and Outreach Coordinator, Lake Champlain Basin Program
- Sarah Braun Hamilton, Out of School Youth Coordinator, UVM Extension, Vermont Migrant Education Program (via video)
- Michele Braun, Executive Director, Friends of the Winooski River
- Lindsey Wight, Missisquoi River Basin Association

9:30 to 10:00 am **Responses to Previous Site Reviews**

Facilitator: Breck Bowden, LCSG Director

- Jesse Lepak, New York Sea Grant (via video)

10:00 to 10:15 am **Break**

Site Review Team Working Session

10:15 am to 4:00 pm **Site Review Team Development of Report and Working Lunch**

4:15 to 5:00 pm **Meeting of SRT with UVM and LCSG Leadership**

- David Rosowsky, Provost, UVM
- Richard Galbraith, Vice President of Research, UVM
- Nancy Mathews, Dean, UVM Rubenstein School of Environment and Natural Resources
- Andy Buckser, Dean, College of Arts and Sciences, SUNY-Plattsburgh
- Chuck Ross, Director, UVM Extension
- Breck Bowden, Professor and Director of Lake Champlain Sea Grant
- Tim Mihuc, Professor and Associate Director of Lake Champlain Sea Grant
- Kris Stepenuck, Extension Assistant Professor and Extension Program Leader of Lake Champlain Sea Grant

5:00 pm **Adjourn (Transportation to hotel or airport provided)**

Biosketches

Lake Champlain Sea Grant Leadership Team

Breck Bowden, PhD, Director

Dr. Bowden is the Robert and Genevieve Patrick Professor in Watershed Science and Planning in the Rubenstein School of Environment and Natural Resources at the University of Vermont. He is the Director of the Vermont Water Resources in Lake Studies Center and leads the Vermont component of the Northeastern States Research Cooperative. Dr. Bowden's research interests focus on the interactions among land use, land cover, and water resources. His current research projects focus on the effects of exurban development on stormwater runoff in Vermont and on climate change impacts in the arctic. Dr. Bowden is active in national and international programs to that seek to integrate science in resource management decision making, including the Long-Term Ecological Research (LTER) program, Hydrology for Environment Life and Policy (HELP), the National Environmental Observatory Network (NEON), and the Study of Environmental Arctic Change (SEARCH).

Tim Mihuc, PhD, Associate Director

Timothy (Tim) Mihuc oversees LCSG's SUNY Plattsburgh operations and serves as the coordinator of the Lake Champlain Research Institute at SUNY Plattsburgh. Tim is trained as an aquatic ecologist and spent several years at Louisiana State University as a post-doctoral researcher conducting invasive species research in the Atchafalaya River Basin. Tim previously served as director of the Great Rivers Field Station with the Illinois Natural History Survey. He has published over 35 research articles in a broad spectrum of journals, and co-edited "Lake Champlain: Partnership and research in the new millennium," published by Kluwer Academic publishers. Tim's professional areas of interest include aquatic food webs, fish population dynamics, ecological integrity and aquatic biodiversity.

Elissa Schuett, Communications Program Manager and Research Coordinator

Elissa manages the LCSG research program and works with researchers to develop outreach materials for their projects. Elissa also manages communications, including content development and management of a Lake Champlain Sea Grant supported program ecoNEWS VT. This online portal highlights key findings from ecological research and monitoring being conducted across Vermont. The portal connects scientists, practitioners, policy-makers, and other interested individuals with information distilled from the latest research and monitoring on Vermont's ecology. Elissa recently completed a Certificate of Graduate Study in Environmental Public Health from the University of Vermont.

Kris Stepenuck, PhD, Extension Program Leader

Kris develops, implements and oversees LCSG extension activities across the Lake Champlain basin. She uses community-based social marketing techniques to promote healthy soils development through lawn care, community resilience to flooding, clean boating, and low salt winter maintenance practices. Her research informed her outreach. She strives to understand target audiences so as to most effectively promote behavior changes that benefit the environment. She also serves as the US co-chair for the Public Advisory Group of the International Joint Commission's Lake Champlain-Richelieu River Flood Study.

Lake Champlain Sea Grant Core Team

Marc Companion

Marc provides Green Infrastructure-related outreach and technical assistance through a joint position shared between the Lake Champlain Sea Grant Institute and the Vermont Department of Environmental Conservation. In this role, he manages the Green Infrastructure Roundtable stakeholder group and facilitates the use of nature-based solutions to reduce stormwater nutrient loads and erosion. He is helping to develop the Green Schools Initiative to support new state regulations related to the state's new three-acre impervious surface stormwater permit.

Gary Deziel

Gary is an Extension Assistant Professor in the Saint Albans, VT, Extension office. Gary has worked in higher education most of his career, and contributes skills and experiences in operations, business process, and financial management, with additional experience in field and specialty crop production, communications, and research management to the Lake Champlain Sea Grant team. Specifically, Gary has been brought on board to contribute to LCSG's efforts on workforce development within the Champlain basin.

Ashley Eaton

Ashley coordinates the UVM Watershed Alliance, which is a UVM Extension and Lake Champlain Sea Grant collaborative K-12 education program focused on increasing watershed awareness and stewardship throughout the Lake Champlain Basin and Vermont. In 2013 Ashley received her Bachelor's of Science from UVM in Elementary Education with a concentration in Environmental Science/Studies. She has spent the last few years immersed in environmental education and outreach and received her Master's of Science in Natural Resources in December of 2017.

Mark Malchoff

Mark represents LCSG in regional and national fisheries and aquatic habitat initiatives. As the Aquatic Resources Specialist, he leads all activities associated with fisheries extension and aquatic invasive species, and he contributes to lake based sustainable communities and economic development. Prior to his work with LCSG, Mark was employed with New York Sea Grant and Cornell Cooperative Extension since 1984.

Linda Patterson

Linda is responsible for coordinating education programs that target real estate professionals, watershed groups and municipal employees. She collaborates with state experts to develop accredited courses for real estate professionals on topics related to land use and water quality protection. She works with watershed groups to create and present public education workshops focused on shoreland erosion control. In addition, Linda enlists local businesses, non-profits and municipal agencies in adopting recommended lawn care practices for healthy soils and stormwater reduction.

Stakeholders, Partners, and Collaborators at the Meeting

PAC Members

Dan Albrecht, Senior Planner, Chittenden County Regional Planning Commission
Jill Arace, Director, Vermont Association of Conservation Districts
Lori Fisher, Director, Lake Champlain Committee
Phelan Fretz, ECHO, the Leahy Center for Lake Champlain
Heather Furman, Director, The Nature Conservancy of Vermont
Eric Howe, Director, Lake Champlain Basin Program
Jim Jutras, Village of Essex
Kara Lenorovitz, Science Teacher, Colchester High School
Dan Lerner, Associate Director and Chair, UVM Extension
Crea Lintilhac, Trustee, Lintilhac Foundation
Chris Navitsky, Waterkeeper, FUND for Lake George
Sonal Patel-Dame, Science Teacher, Plattsburgh High School
Chief Don Stevens, Chief, Nulhegan Abenaki Nation

Researchers

Carol Adair, Research Assistant Professor, Rubenstein School of Environment and Natural Resources, University of Vermont
Danielle Garneau, Associate Professor, SUNY-Plattsburgh Center for Earth and Environmental Science
Stephanie Hurley, Associate Professor, Department of Plant and Soil Science, University of Vermont
Eric Leibensperger, Assistant Professor, SUNY Plattsburgh Center for Earth and Environmental Science
Donna Parrish, Professor and Director, USGS Vermont Cooperative Fish and Wildlife Research Unit

Congressional Staff

Tom Berry, Field Representative, Senator Leahy's Office
Jonathan Carman, Representative Stefanik's Office
Hayley Pero, Field Representative, Senator Sanders' Office
Thea Wurzburg, State Director, Representative Welch's Office

Stakeholders and Partners

Andy Barker, Teacher, Burlington City and Lake Program
Emily Bird, Assistant Program Manager, Vermont Clean Water Initiative Program, Vermont Department of Environmental Conservation
Sarah Braun Hamilton, Out of School Youth Coordinator, Vermont Migrant Education Program (video)
Michele Braun, Executive Director, Friends of the Winooski River
Andrea Champagne, Owner/Broker, Champagne Real Estate
Erin De Vries, Michigan Sea Grant, Great Lakes Clean Marinas Network (video)
Tom DiPietro, Public Works Director, City of South Burlington
Juliana Dixon, Salix Solutions
James Frazitta, Burlington Community Boathouse
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Colleen Hickey, Education and Outreach Coordinator, Lake Champlain Basin Program
David Kirby, former UVM undergraduate
Eric Lampman, CEO, Lake Champlain Chocolates
Rory Malone, former UVM undergraduate and LCSG intern
Allison Neubauer, Great Lakes Outreach Associate, Illinois-Indiana Sea Grant (video)
Paul Rocheleau, retired Science Teacher
Chase Rosenberg, Science Teacher, Edmunds Middle School
Alyssa Senecal, Adirondack Coast Visitors' Bureau
Hilary Solomon, Director, Poultney-Mettowee Natural Resources Conservation District
Holden Sparacino, Vermont Association of Conservation Districts
Mike Wichrowski, Vermont Fish and Wildlife Department
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Hannah Yates, ECO AmeriCorps

Notes