

Great Lakes Sea Grant Network Meeting - Field Trips  
Thursday, September 10, 2015

Field Trips (1 to 4pm)

**Green Stormwater Infrastructure walking tour**

Green Stormwater Infrastructure has gained support in recent years as a preferred method for managing stormwater runoff. Lake Champlain Sea Grant is engaged in research and extension of that work in our watershed. Burlington hosts a variety of green stormwater infrastructure practices, from student-designed and installed rain gardens and LCSG-funded bioinfiltration monitoring and research stations on the University of Vermont's campus to pervious concrete and Silva cell tree boxes on Burlington's City streets. We'll begin on UVM campus and wind our way down the hill, stopping at notable green infrastructure installations with expert speakers to inform participants. The tour will end at the shores of Lake Champlain and the ECHO Lake Aquarium and Science Center and the University of Vermont's Rubenstein Ecosystem Sciences Laboratory. A bus will transport participants back to campus or the hotel. This is a three hour tour and participants are urged to wear comfortable walking shoes and clothing appropriate for the weather. There is no cost for this field trip.

**R/V Melosira PM and Rubenstein Lab tour**

Join Captain Steve Cluett and Sea Grant staff on UVM research vessel, *Melosira* to learn about our shipboard education program, Lake Champlain Live laboratory as well as the current research happening on Lake Champlain. We'll share background information about our sub-basins and lake segments and then delve into data collection using a CTD, plankton net and ponar. Ample opportunities to ask questions, develop new hypotheses on eradicating aquatic invasive species, and enjoy the fall foliage view of Burlington and surrounding mountains. After the two-hour Melosira trip the group will receive a tour of the Rubenstein Ecosystem Science Laboratory and speak with undergraduate to post-doc students studying a variety of aquatic resource issues. Individuals can choose to skip tour and visit ECHO Lake Aquarium and Science Center at a group rate cost.

**Intervale Farm Tour**

The Intervale is part of the Winooski River Flood-Plain in Burlington and home to many farms. The Intervale Center is the steward of the land and farms, with a mission of strengthening community food systems. The Intervale Center offers tours to share the history and current programs, including riparian buffers and sustainable agriculture methods.

**Water Quality Monitoring & Stewardship - Stream Clean Up Month**

UVM Watershed Alliance developed the Stream Monitoring & Stewardship Program 15 years ago to increase awareness and knowledge of watershed issues in Vermont youth and formal and non-formal educators. This field trip group will learn and understand the importance of stream assessment and water quality monitoring by nearly immersing themselves in a local stream with school students and watershed association members studying the unique location and working to clean-up and steward the waters of Vermont. Field trip will happen rain or shine.

Knee boots or shoes you don't mind getting wet along with outdoor clothing recommended. We have a limited number of boots, please contact Erin De Vries if you would like a pair saved for you.

**Leahy Center for Lake Champlain: ECHO Lake Aquarium and Science Center, Lake Champlain Basin Program Resource Room, and Rubenstein Ecosystem Science Laboratory**

Visit the Leahy Center for Lake Champlain on the beautiful Burlington waterfront, on the Leahy campus resides the ECHO Lake Aquarium and Science Center where you'll have the opportunity to explore place-based science and natural history exhibits. Inside the science center is the Lake Champlain Basin Program Resource Room where one can learn about all the current research, challenges and events happening in the Lake Champlain Basin and beyond - think of it as an epic Basin-wide Information Center. Last, but not least we'll receive a tour of the Rubenstein Lab and speak with undergraduates to post-doc students and research technicians studying a variety of aquatic resource issues in Lake Champlain, the Great Lakes and further afield.