

## WORKSHOP 1

### **Boat Tour of Lake Morey and the Many Projects of the Lake Morey Protective Association**

Greg McGrath, Lake Morey Protective Association

Join members of the Lake Morey Protective Association on a boat tour of their many projects through the years. The tour will feature the Renovate treatment of the lake, scheduled for 5/13/08 as part of their Eurasian watermilfoil control efforts. They expect in mid-June there would be evidence of knocked-down milfoil from the May treatment as well as an opportunity to look for re-growth from the 2007 treatment. The association members will also discuss their long history of coordinating projects, starting with an alum treatment in the early 1980's and a recent "Viewshed" project to protect scenic views around the lake. They will share their secrets of success, including building a cooperative relationship with the Town of Fairlee and their experience obtaining permits.

## WORKSHOP 2

### **Limnology 101 – Fundamentals of Lake Ecology.**

Arthur S. Brooks, Ph.D., University of Wisconsin-Milwaukee / Lake Willoughby, VT, and William Monagle, CLM, Cobbossee Watershed District, ME.

This introductory workshop will touch on a broad array of limnological concepts and lake ecology in a general manner. Topics will include the basic properties of water, lake origin, physical processes, lake chemistry, ecosystem structure and function, biological communities and foodweb dynamics, and watershed influences, among others. The goal is to provide an appreciation for, and general understanding of, the complexity of lake ecosystems----Limnology.

## WORKSHOP 3

**A Vermont Eurasian Watermilfoil Management Primer:** Come learn about the details and challenges of one lake group's unique use of benthic barriers, handpulling and suction harvesting for watermilfoil control. Tips on fundraising and starting a public access area greeter program included. Lake Fairlee Association and Ann Bove, VTANR Lakes and Ponds Section. Note: this workshop may include a boat tour; must bring own PFD!

## WORKSHOP 4

### **Vermont Invasive Patrollers Training – VIPs (Note this workshop begins at 12:00)**

Early detection is vital to protecting waterbodies from harmful invasive plants and animals. Vermont Invasive Patrollers (VIPs) monitor a local waterbody for new introductions of invasive species while also learning about native aquatic plants and animals and their habitats. A basic VIP training workshop takes about 4 hours and consists of:

- a two-hour indoor session consisting of a powerpoint slide presentation and an introduction to native and invasive plant and animal identification
- a two-hour field session on the water, during which participants will learn how to conduct surveys of native and invasive species in their natural habitats

Vermonters can be certified to be a VIP by taking this workshop, but the workshop is suitable for people from all New England states.

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## WORKSHOP 5

### **Installing a Rain Garden**

Protecting water quality through gardening; what could be better? This workshop will educate lake residents on an easy and fun way to protect and improve the water quality in their lake through rain gardens. Stormwater is directed to a rain garden to be cleaned and absorbed by the soils as it pools in its shallow bowl shaped planting bed. These gardens are not wetlands and are designed to drain quickly. In this workshop rain garden function, design and installation will be reviewed. After the in-class session participants will get to go out and install a rain garden themselves. It is a fun hands-on activity that all age groups can enjoy.

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Cultivating Healthy Communities

## WORKSHOP 6

### Lakeshore Erosion Education

#### Purpose

- 1) To demonstrate an educational technique for explaining erosive processes to landowners
- 2) To educate participants on erosive processes, actions that can affect or exacerbate erosion, and alternative actions for addressing or preventing lakeshore erosion.

#### Content

This hands-on workshop will cover both rivers and lakeshore processes as they affect infrastructure, such as roads, decks, buildings, and septic systems. The first component of the workshop will explain river erosion concepts, landowner and municipal actions that can affect or exacerbate erosion, and alternate actions for addressing or preventing erosion. This component was developed by the Vermont Better Back Roads program and the Vermont River Management Program and has been used extensively throughout Vermont and, more recently, in the Champlain Valley of New York. The second component will expand on these concepts by addressing how they apply to lakeshore environments and include a discussion of bio-technical and bio-engineering stabilization options. Both components will employ a watershed model to demonstrate the erosive force of water in rivers and lakes.



**River component used during workshop for municipal officials**

#### Target Audience

- A) Lakeshore property owners
- B) Watershed associations involved in hands-on education
- C) Municipal officials responsible for shoreline roadways

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