

*Southern Appalachian
Naturalist Certification Program*

Aquatic Ecology

July 5-7, 2010

Monday, July 5th

3:00-5:00 **Check-in**
6:00 **Supper**
7:00 **Welcome & Introductions**
7:30 **Aquatic Ecology: An overview**
An introduction to the exciting world of Aquatic Ecology; habitat types, terminology, conservation issues and sampling methods.

Evening Assignment: Order Profile - Due Wednesday

Tuesday, July 6th

8:00 am **Breakfast**
8:30 **Aquatic Organisms**
Learning the types of aquatic creatures and what makes them so special.

10:00 **Stream Exploration: Lotic Waters**
1st order stream: Loan Branch. 2nd order stream: Sams Creek

12:00 pm **Lunch**

12:45 **Vernal Ponds and Sinkholes: Exploring Lentic Habitats**
United Methodist Church pond and Gum Swamp in Cades Cove or wherever we can find some standing water!

6:00 **Supper**

7:00 **Ogling Stream Life**
Sampling the Middle Prong at Tremont and taking a closer look through a dissecting microscope and the big screen.

8:00 **Campfire Tunes & Tales**
Join us around the campfire for a relaxing evening of great songs and stories. Refreshments provided.



Wednesday, July 7th

7:30 **Breakfast**

8:30 **4th Order Stream Sampling: Little River in and Around Townsend.**
We'll be comparing invertebrate species in a larger waterway to those we caught yesterday upstream. We'll also get out a new piece of equipment, the seine net, and try and catch some fish.

12:30 **Lunch**

1:00 **Order Presentations, Assessment, and Evaluations**



GREAT SMOKY MOUNTAINS INSTITUTE at TREMONT

9275 Tremont Road
Townsend, TN 37882
Phone: 865-448-6709
Fax: 865-448-9250

www.gsmit.org ~ mail@gsmit.org