

*Southern Appalachian*  
*Naturalist Certification Program*

**Aquatic Ecology**

*May 8 – 10, 2009*

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**Friday, May 8<sup>th</sup>**

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 Sunday*

**Saturday, May 9<sup>th</sup>**

8:00am       **Breakfast**

8:30           **Aquatic Organisms**

Learning the types of aquatic creatures and what makes them so special.

10:00        **Stream Exploration: Lotic waters**

1<sup>st</sup> order stream: Lone Branch. 2<sup>nd</sup> order stream: Sam's Creek

12:00        **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!

5:30           **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. *Council House*

## Sunday, May 10<sup>th</sup>

7:30            **Breakfast**

8:30            **4<sup>th</sup> 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**