

## Directions

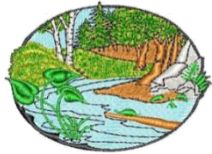
Antioch University New England is located at 40 Avon St. in Keene NH.

From the North on Route 12 or Route 9. Drive until you see the West Street Exit. Turn left at the bottom of the ramp, go through two lights and immediately turn right on to Avon Street just before the Irving gas station.

If you are coming into Keene on Route 101, follow 101 to Route 12 North, get off at West Street exit, turn right at bottom of ramp, go through one light, turn right on to Avon Street just before the Irving gas station..

The workshop will be in room 231 on the second floor of the building.

***This workshop is sponsored by:***



*NH Association of  
Natural Resource Scientists*

*and*

**ANTIOCH  
UNIVERSITY**  
NEW ENGLAND

*New Hampshire Association of Natural Resource Scientists*

*PO Box 110*

*Concord, NH 03302*



***NHANRS***  
*and*  
***Antioch University***  
***New England***  
*present*

## Rapid Macro-invertebrate Assessment for Stream and Watershed Health



**Friday,  
August 11, 2017  
8:30am - 4pm**

*at*

**Antioch University  
New England  
40 Avon Street  
Keene, NH**

# Rapid Macro-invertebrate Assessment for Stream and Watershed Health

Friday, August 11, 2017

## Agenda

8:30	Register and coffee
9:00-11:00	Introduction to Macro feeding groups & role in riparian ecological function
11:00-11:30	Review collection methodology & directions to field site
11:30-12:10	Lunch
12:30-2:15	Collect samples in field
2:30-4:00	Fill out data sheets in lab and debrief

## CONTINUING EDUCATION

Six (6) contact hours

## WORKSHOP DESCRIPTION

Participants will be introduced to a rapid assessment methodology for collecting and categorizing stream macro-invertebrates. The data collected can be used to establish bio-monitoring reference stream reaches based on composition of macro-invertebrate feeding behavior groups, as well as providing indications of impact from pollutants.

The workshop will consist of an introduction to riparian corridor carbon-cycling and expected composition of feeding groups for different order streams. Lab microscope work will be used to introduce examples of macro-invertebrate feeding groups. This will be followed by field macro-invertebrate collection and classification of a stream reach on the Upper Ashuelot River.

## PRESENTER

**Michael Simpson** is Certified Wetland Scientist in NH, and currently serves as Chair of the Wetlands Discipline for NHANRS. He is on the faculty of the Environmental Studies Dept. at Antioch University New England, where he teaches graduate courses in wetlands ecology, watershed management and climate change. His current research has been looking at the impacts to natural riparian systems and associated built infrastructure from a changing landscape, in the context of a changing climate.

## SPECIAL INSTRUCTIONS

Please be prepared to be in the stream collecting samples so bring calf-high boots or hip waders.

**Registration limited to  
24 participants!**

## Rapid Macro-invertebrate Assessment for Stream and Watershed Health

### REGISTRATION FORM

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Check #: \_\_\_\_\_

**Pre-registration is required.  
Registration is limited to 24 participants.**

### REGISTRATION FEE (please circle)

NHANRS Members	\$75.00
Students	\$75.00
Non-Members	\$95.00

*A light breakfast and lunch are included*

*Please notify us if you have any special needs in order to participate so we can make the necessary arrangements.*

Mail your registration form and check  
(payable to NHANRS) by August 3, 2017 to:

**NHANRS  
PO Box 110  
Concord, NH 03302**

Or register online using PayPal at NHANRS.org

*Please note: You will not be added to the registration list until payment is received.*

### **No refunds for cancellations**

Contact Iris Altilio with any questions:  
assistant@nhanrs.org  
Ph: 603-224-0401 \* Fx: 603-228-0423