

NHANRS

Presents

Stream Crossings and Measurements

Friday, September 27, 2019

9:00am – 4:00pm



at

**The Bartlett Experimental Forest
Bartlett, NH**

WORKSHOP DESCRIPTION

This workshop intends to discuss stream/waterway data collection methodologies and considerations. The workshop will explore hydrologic measurements, stream geomorphology, and biologic/faunal considerations that natural resource professionals may include in submissions to clients, colleagues, or review agencies when analyzing an existing or proposed stream crossing.

CONTINUING EDUCATION

Contact Hours – 6.5

Directions

West Terminus of Kearsarge Street, Bartlett, NH

Look for United States Forest Service signage

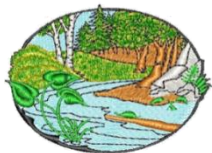
BEAR NOTCH ROAD WILL BE ACCESSIBLE ON THIS DATE

From I-93: Take exit 32 in Lincoln to NH RTE 112 East (Kancamagus Highway). Proceed approx. 21.5 miles to Bear Notch Road. Take Left on Bear Notch Road and Take a left onto Kearsarge Road after approx. 8.5 Miles. Proceed into USFS parking area.

From NH Route 16: Proceed to junction with NH RTE 302 (Crawford Notch Road) in Glen. Proceed on NH RTE 302 until a Left onto Pine Street in Bartlett Village (6.5 miles). Turn Right into USFS parking area (0.1 miles).

From NH Route 3: Proceed to junction with NH RTE 302 (Crawford Notch Road) in Twin Mountain. Proceed on NH RTE 302 until a Right onto Pine Street in Bartlett Village (22.5 miles). Turn Right into USFS parking area (0.1 miles).

This workshop is sponsored by:



*NH Association of
Natural Resource Scientists*

New Hampshire Association of Natural Resource Scientists

PO Box 110

Concord, NH 03302



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Agenda

8:45 - 9:00	Registration & Coffee
9:00 - 9:45	Joel Ballestero, UNHSC - Stream Hydraulics, Sizing, and Watershed Considerations
9:55 - 10:40	Cheryl Bondi, NH DES – Stream Restoration as Compensatory Mitigation, Soon-to-be effective 800 rules.
10:45 – 11:30	Melissa Doperalski, NH F&G Stream/Watercourse Design for Fauna and Habitat
11:35 – 11:55	Briefing on Field Component
11:55 – 12:30	Pizza Lunch to be provided
12:30 – 3:00	Site Visits, Group Stream Measurements
3:00 – 3:30	Stream Data Reporting at Lecture Hall
3:30 – 4:00	CEU Dissemination

INSTRUCTORS

Joel Ballestero went to Colorado State University for Civil Engineering, graduating in 2006. He first practiced stream restoration in 2007 while working in North Carolina. For these past twelve years his main concentrations have been in surface water projects, including Stream Restoration using Natural Channel Design, Aquatic Organism Passage, Shoreline

Restoration, LID Stormwater, even incorporating all of those into entire Watershed Restorations. His work has spanned all of the Northeast, the Southeast, Pennsylvania, New York, Arizona, and Colorado.

Cheryl Bondi is the Mitigation Program Specialist in the Wetlands Bureau of the Department of Environmental Services where she assists in managing New Hampshire's In-lieu fee compensatory mitigation program; the Aquatic Resource Fund. Before coming to DES Cheryl held several positions in academia as an instructor and researcher, as well as worked as an aquatic biologist for the Forest Service and California Fish and Game. Cheryl has a PhD in Ecosystems Ecology from the SUNY College of Environmental Science and Forestry and a Master's in Aquatic Ecology from Humboldt State University in California.

Melissa Doperalski is a Certified Wildlife Biologist with the NH Fish and Game's Nongame and Endangered Wildlife Program. Most of her work specializes in herpetilian/human interactions as they relate to infrastructure improvement and development projects.

SPECIAL INSTRUCTIONS

The field component of this session will be outside and in the vicinity of wetlands and waterways. Please dress appropriately for the region and the time of year. Completion of the seminar may require measurements within the water column. Waders, water shoes, towels, etc. may be warranted depending on precipitation events leading up to the seminar.

A drag tape, tape measure, and bathymetric data collection devices may be helpful to complete the seminar. All other supplies will be provided.

Stream Crossings and Measurements

REGISTRATION FORM

Name: _____
Address: _____

Phone: _____
Email: _____
Check #: _____

REGISTRATION FEE

NHANRS Members	\$65.00
Non-Members	\$95.00

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) no later than Sept. 23 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
Please contact Diane with questions:
assistant@nhanrs.org
Ph: 603-224-0401