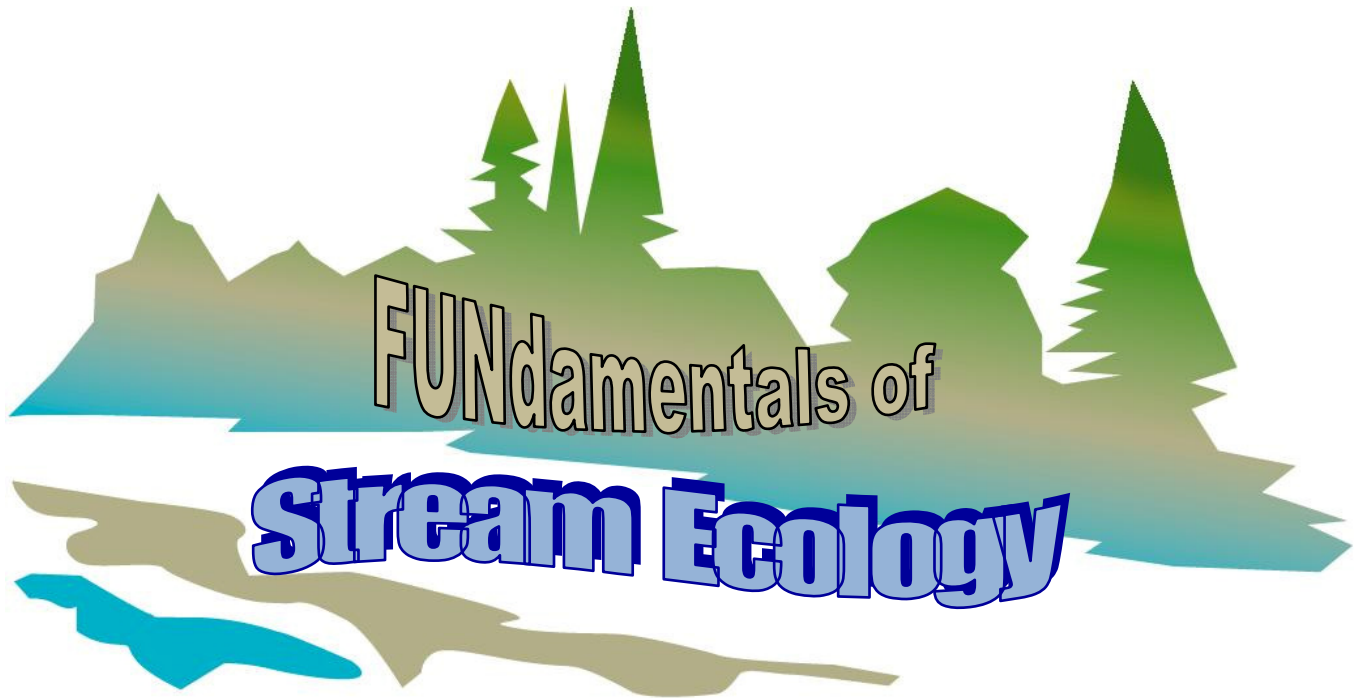




Northampton County Conservation District

Act 48 Continuing Education Workshop:



Date: Wednesday, October 20, 2010

Time: 8:00AM – 4:00PM

Location: Lower Mount Bethel Welcome Center, Martins Creek, PA

Capacity: 20 Teachers (most appropriate for middle & high school teachers)

Registration Deadline: October 6, 2010

**Includes a Stream
Study Field Trip**



Lunch will be provided!



*A total of six (6) Act 48 Professional Development Activity Hours
will be granted to PA and NJ certified teachers upon completion of the course.*

“A river is the report card for its watershed.”

- Alan Levere.”

FUNdamentals of Stream Ecology

The workshop will include instruction, discussion, field experience, and activities conducted by:

- Northampton County Conservation District (NCCD)
- PA Fish & Boat Commission
- Martins-Jacoby Watershed Association (MJWA)
- PPL Corporation

The workshop will provide educators with an introduction to topics such as Geomorphology, Ichthyology, Macroinvertebrates and Habitat Restoration. Attendees will also spend time in the Martins Creek for a stream quality assessment with John Mauser, of MJWA, and the PA Fish & Boat Commission.

The workshop will provide educators with curriculum based material. The content of this workshop meets the Pennsylvania Academic Standards for Science & Technology and Environment & Ecology for grades 4 through 12, including such topics as unified themes, earth sciences, watersheds, environmental health, and humans and the environment. **NCCD would also like to take this opportunity to announce that we have equipment available for teachers to borrow for stream quality assessments in Northampton County waterways.**

Workshop topics:

- Introduction to Streams and Fluvial Geomorphology
- Biological Stream Assessment: Macroinvertebrate ID
- Chemical Stream Assessment
- Habitat/Physical Stream Assessment

**Call or email NCCD with questions
(610) 746-1971 / northamptoncd@northamptoncd.org**



Registration and a \$10 fee are required for the workshop. Please complete the attached form to register.

Please complete the form below and detach, include \$10 (cash/check), and mail the fee and registration form to the Northampton County Conservation District, Greystone Building, 14 Gracedale Avenue, Nazareth, PA 18064-9211. Please make checks payable to: Northampton County Conservation District. Upon receipt of your registration, a workshop packet will be sent to you with directions and additional details.

Registration Deadline is October 6, 2010

Name: _____

Organization/School: _____

Grade Level: _____

Are you a certified teacher with PA or NJ Department of Education? Circle one PA NJ N/A

Address: _____

City: _____ Zip code: _____

Phone: (_____) _____

Email _____

Lunch will be provided; check here if vegetarian option is requested