

Directions to SUNY Cobleskill

Take NYS I-88 to exit 21. Take exit ramp to Route 7. Turn right on Route 7 for approximately 1 mile. A map of the campus can be found online. The training will be located in the Agriculture and Natural Sciences Building. Campus Map <http://www.cobleskill.edu/about/map-and-directions.asp>

Nearby Hotels:

The Inn at Cobleskill (518)234—4321 Room block “stream training”
<http://www.bestwesterncobleskill.com/>

Super 8 (518)234—4888 Room block “stream training”
www.super8.com/Cobleskill

Registration:

To register, please complete the enclosed registration form and mail or email it along with your payment to the Schoharie County Soil and Water Conservation District by June 3, 2016. The workshop will be limited to the first 55, so don't wait to register.

Cost: \$300 for State, Federal & Private Sector Employees

\$150 for Local Officials & Soil and Water Conservation Districts

Registration includes lunch each day, breaks, handouts and bus to field site(s). For questions about the training or registration, please contact Brenda Weaver at b.weaver@schoharieswcd.org or

518-823-4535

Instructor: Dave Derrick
Potomologist, Stream Stabilization Specialist, & VP
for 18 years with River Research & Design, Inc.,
Vicksburg, MS. Mr. Derrick retired with 35+ years of
experience as a Research Hydraulic Engineer with the
Corps of Engineer's Engineering Research and
Development Center's Coastal & Hydraulics
Laboratory (ERDC-CHL)



Agriculture
and Markets



Schoharie County Soil and
Water Conservation District



Stream Investigation, Stabilization & Design Workshop

**With an emphasis on innovative approaches to stream
stabilization and restoration, including bioengineering &
redirective methods.**

SUNY Cobleskill
Route 7, Cobleskill, NY

June 13-15, 2016

WORKSHOP AGENDA

SUNY COBLESKILL - DAY 1 - MONDAY - JUNE 13, 2016

7:45 – 8:00 Sign– In

8:00 – 8:15 Welcome—Introductions and Overview

8:15 – 9:40 Derrick's Philosophy of Restoration
Goals, Objectives, and Function-Based Design

- Stream Regimes • Meandering & How Streams Dissipate Energy • Project Planning & Management; Luxuries; Monitoring • Why Stream Projects Fail; Weather • Self-Adjusting Bank & Grade Control Vines; No-Mow Stones

9:40 – 9:55 Break

9:55 – 12:00 Channel Evolution Model (CEM), Headcut Video from Hartman Ditch, & Environmentally Compatible Grade Control

12:00 – 1:00 Lunch

1:00 – 2:45 Resistive & Continuous Bank Stabilization Methods

- Show the Duck Creek Construction Video
- Longitudinal Peaked Stone Toe Protection (LPSTP)
- Longitudinal Fill Stone Toe Protection (LFSTP)
- Keys, Filters, & Stone
- Case Studies

2:45 – 3:00 Break

3:00 – 4:20 Bioengineering Philosophy & Planting Vegetation with Large Yellow Machines

- Harvesting Adventitious Poles; • Slit Trench Planting;
- Slit Brush Layering • Willow Poles & Willow Curtains
- Transplants Large & Small • Half Drowned Bushes
- Traffic Control Stones

4:20 – 4:30 Wrap—Up / Field Information for Tuesday

FIELD TRIP - DAY 2 - THURSDAY - JUNE 14, 2016

8:00 – 8:10 Meet at the Classroom

8: 10 - 8:45 Travel to Site

8:45 - 12:00 Field Trip—Little Schoharie Creek restored stream channel using natural channel design methods

12:00 - 1:00 Lunch (Boxed Lunch Provided)

1:00 - 4:00 Field Trip—West Creek unrestored site

4:00 - 4:30 Travel Back to Classroom

SUNY COBLESKILL - DAY 3 - FRIDAY - JUNE 15, 2016

8:00 – 10:00 Redirective Methods

- Bank Barbs & Rock Vanes • J - Hooks
- Bendway Weirs • Case Studies

10:00 - 10:15 Break

10:15 - 10:35 Stream Access Techniques & Ideas

12:00 - 1:00 Lunch

1:00 – 1:45 Recently Developed Innovative Techniques

- 18-Mile Creek Case Restoration Video
- Do No Harm & Dead Things Are Good Things
- Locked Logs • Living Dikes • Hydraulic Cover Stones • Building Pools

1:45 – 2:00 Break

2:00 – 3:00 Case Studies

3:00 – 3:45 Proprietary Methods

3:45 - 4:15 Dave's Top 10 & 46 Ways to Stay Out of Trouble

4:15 - 4:30 Project Construction

4:30—4:40 Course Wrap—Up