

Directions to Chemung County Fairgrounds 4-H Building

170 Fairview Rd Horseheads NY 14845

From I-86– Horseheads exit to Grand Central Ave-travel approximately 1/2 mile to Fairview (Bryne Dairy on left) turn left on to Fairview then take 1st left into fairgrounds-4-H Building

Nearby Hotels:

Holiday Inn Express-2666 Corning Road HHDS-607-739-3681

Knights Inn-2707 Westinghouse Rd HHDS-607-739-3807

Hampton Inn 51 Arnot Rd HHDS-607-795-3333

Registration:

To register, please complete the enclosed registration form and mail or email it along with your payment to the Chemung 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 Mark Watts at markwatts@stny.rr.com or 607-739-2009.

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



Chemung 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.

4-H Building @ Chemung County Fairgrounds
170 Fairview Road
Horseheads, NY 14845

June 8th-10th 2016

WORKSHOP AGENDA

Chemung County - DAY 1 - Wednesday - JUNE 8th, 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 9th, 2016

- 8:00 – 8:10 Meet at Fairgrounds
- 8: 10 - 4:00 Travel to Various Sites in Chemung Co. NY & Bradford Co. PA
- 12:00 - 1:00 Lunch (Boxed Lunch Provided)
- 4:00 - 4:30 Travel Back to Classroom

Chemung County - DAY 3 - FRIDAY - JUNE 10th, 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