

Catskill Environmental Monitoring & Research Conference

NOVEMBER 17 AND 18, BELLEAYRE

Conference Agenda (11/2/2010 VERSION)

Day 1 November 17 (Wednesday)

8:45 Welcome

9:00-10:00 Session 1, Forest Ecology and Management

1. Global Problems, Local Impacts: Research on the Effects of Air Pollution, Climate Change, and Introduced Pests on Catskill Mountain Forests. Gary M. Lovett, Cary Institute of Ecosystem Studies, Mary A. Arthur, University of Kentucky, Kathleen C. Weathers, Cary Institute of Ecosystem Studies.
2. Status of Forest Science Program Research Efforts on the New York City Watershed. Deborah Layton, Forest Scientist/Landscape Restoration Specialist. NYC DEP.
3. Using Citizen Scientists and Birds to Assess Forest Health in the Catskills. Ralph S. Hames, Rebecca Shirer, James D. Lowe, and Alan White. Cornell Lab of Ornithology and The Nature Conservancy.
4. Best Management Practice Implementation on Family Forests in the NYC Watershed. Joshua D. VanBrakle, René H. Germain and John F. Munsell, WAC Forestry Program.

10:00-10:30 Session 1 Group Discussion

10:30-11:00 Posters/Break Introduce Poster Presentations

11:00-12:15 Session 2: Ecosystems-1

1. Assessing threats to Catskill Mountain ecosystems: Collaborative studies in the Upper Esopus Creek. B.P. Baldigo, M. McHale, A.G. Ernst, T.J. Ross, and A.J. Smith. USGS, Cornell University, NYS DEC.
2. Effects of Altered Hydrologic, Turbidity and Thermal Regimes on Rainbow and Brown Trout Populations in the Upper Esopus Creek T.J. Ross, Bill Fisher, Barry Baldigo, Tom Baudanza, Mike Flaherty. Cornell University, USGS, NYC EP, NYS DEC
3. Stream barrier mitigation in the Delaware River Basin. Gregg Kenney and Jamie Deppen, NYS DEC.
4. Human Influences on Species Composition: Long Term Change in Otsego Lake, NY. Dr. Bill Harman, Holly Waterfield, SUNY Oneonta
5. Does the density of invasive rusty crayfish affect stream macroinvertebrates? Mark Kuhlmann, Anthony Prisciandaro, Megan Irland, Greg Hamilton, Sara Caldwell, and Ryan Oliver. Hartwick College.

12:15-12:45 Session 2 Group Discussion

12:45-1:45 Lunch/Posters

1:45-2:45 Session 3 Ecosystems-2

1. Herpetofauna (amphibians and reptiles) distributions, potential habitat and how distributions might shift in response to climate change. Dj Evans, NYS DEC.
2. Habitat Mapping in the Town of Woodstock. Gretchen Stevens, Nava Tabak, Hudsonia.
3. Geochemistry and Ecology of Catskill Region High Elevation Wetlands. S. Parisio, M.S. Adams, A. Spodek-Keimowitz, K. Interlichia, W. Jobs, C. Halton, S. Kroenke.
4. Catskill Bog Data. Michael Kudish

2:45-3:15 Session 3 Group Discussion

3:15-3:45 Break

3:45-4:45 Session 4 Ecosystems-3

1. The Vascular Flora of the Catskills. Morton S. Adams and Steven Parisio. Olive Natural Heritage Society, Inc.
2. Collecting in Slide Mountain Wilderness and Sundown Wild Forest. Paul Harwood, Brooklyn Botanical Garden
3. The Distribution of Invasive Plants in the Catskills Mountains. Chris Zimmerman and Barbara Dibeler. The Nature Conservancy and NYC DEP.
4. Addressing Invasive Species in the NYC Watershed: the Invasive Species Working Group. Barbara Dibeler, Invasive Species Coordinator, NYC DEP.

4:45-5:15 Session 4 Group Discussion

6-7 PM Optional Dinner at the Alpine Inn (RSVP to Liz Higgins - emh56@cornell.edu before Nov 10)

7-10 PM Optional Discussion and Networking (Alpine Inn)

Day 2 November 18 (Thursday)

8:45-9:00 Recap Day 1 and Introduce Poster Presentations

9:00-10:00 Session 5 Water Quality-1

1. NYC DEP's Water Quality Monitoring Program in NYC's West of Hudson Watershed. Jim Mayfield, Section Chief NYC DEP.
2. Trends in stream macroinvertebrate bioassessments in NYC Watershed Streams. Martin Rosenfeld, Scientist/Water Ecologist. NYC DEP.
3. Catskill Stream Protozoan Monitoring Objectives. Christian Pace, Kerri Alderisio. NYC - DEP / Bureau Of Water Supply / Watershed Water Quality Science and Research

10:10:30 Session 5 Group Discussion

10:30-11:00 Break/Posters

11:00-12:00 Session 6 Water Quality-2

1. Geologic Investigations Supporting Stream Management Strategies in the Ashokan Reservoir Watershed: A Status Report. Danny Davis¹, Andrew Kozlowski², John Rayburn³, Cory Ritz⁴. ¹ – NYC DEP, ²-NYS Geological Survey, ³-SUNY New Paltz, ⁴-UC SWCD.
2. Implications for Stream and Floodplain Management of Hydrologic Trends in the Upper Rondout and Neversink Basins, Chris Tran, Ulster County Community College
3. Three-Dimensional Surficial Geologic Mapping, Shandaken Quadrangle, NY. Colby A. Smith
4. Simulation Modeling for NYC Water Supply Operations to Control Turbidity – Spring 2010 Case Study. Mark S. Zion, Elliot M. Schneiderman, Donald C. Pierson, Adao H. Matonse NYC DEP
5. Aerial Orthoimagery, LiDAR, and Derived GIS Products in the NYC Watersheds. Terry Spies, GIS Section Chief, Watershed Protection Programs, NYCDEP

12:00-12:30 Session 6 Group Discussion

12:30-1:30 Lunch

1:30-2:15 Session 7 Water Quality-3

1. Evaluating the Impacts of Climate Change on New York City Reservoir Watersheds: Program Development and Ongoing Challenges. Don Pierson, Elliot Schneiderman, Mark Zion, Aavudai, Anandhi, and Adao Matonse. Water Quality Modeling Group, Bureau of Water Supply, New York City Environmental Protection and The Institute for Sustainable Cities, Hunter College, City University of New York
2. An Assessment of SO_x, NO_x and Hg Long-Term Monitoring Needs in New York State. Gregory Lampman; Project Manager, Environmental Research, NYS Energy Research and Development Authority
3. Monitoring and Modeling the Acidification and Recovery of Catskills Waters and Soils. Chris E. Johnson, Syracuse University.

2:15 – 3:30 Session 7 Group Discussion and Conclusions/Next steps

3:30 – 5:00 Stick Around or Adjourn

INVITED POSTERS

1. **An Assessment of Three Common Decontamination Products on the Invasive Algae *Didymosphenia geminata*.** Samantha Root and Dr. Catherine O'Reilly, Bard College.
2. **Interpreting Catskill Natural History (through the eyes of the Great Smoky Mts NP).** George Profous, Senior Forester, NYS DEC.
3. **Suspended Sediment and Turbidity in the Esopus Creek Watershed.** Christiane Mulvihill, Jason Siemion, Michael R. McHale. USGS.
4. **The Relation of Harvesting Intensity to Changes in Soil and Stream Chemistry in a Northern Hardwood Forest, Catskill Mountains, USA.** Jason Siemion ^{a*}, Douglas A. Burns^a, Peter S. Murdoch^a, Rene H. Germain^b. ^a - U.S. Geological Survey, Troy, NY and ^b - State University of New York, College of Environmental Science and Forestry, Syracuse, NY
5. **Rock snot in a sick river: What causes didymo blooms in Esopus Creek?** Richardson, DC; Achterberg, LA; Redfield, M; Root, S, Arcscott, DA; Gibson, C; Hollein, TJ SUNY New Paltz.
6. **Smith Environmental Field Station: Living and Learning for a Sustainable Future.** Brian Hagenbuch, Mark Kuhlmann, Peter Fauth, Stan Sessions, and Zsuzsanna Balogh-Brunstad. Pine Lake Institute for Environmental and Sustainability Studies, Hartwick College.
7. **Forest Regeneration in New York State.** Becky Shirer and Chris Zimmerman, The Nature Conservancy.
8. **25 years of Acid Rain Readings in the Ashokan Watershed.** Bruce Duffy and Chet Karwatowski. The Ashokan-Pepacton Watershed Chapter of Trout Unlimited
9. **Persistent Large Woody Debris in Woodland Valley Creek.** Jenine Tobey (SCA Intern), Ashokan Watershed Stream Management Program, Cornell Cooperative Extension of Ulster County.