



Vermont Monitoring Cooperative 2012 Annual Meeting - Monday, October 29, 2012

Vermont Department of Forests, Parks & Recreation – The University of Vermont – USDA Forest Service

LOCATION: Waterman Memorial Lounge (Rm. 338), Waterman Building, University of Vermont Campus

“Acidification and Monitoring of Vermont’s Forest Resources”

8:15-9:00 am Registration – Refreshments – Poster set-up

9:00 am Welcome and Introductory Remarks

Larry Forcier, Principal Investigator, Vermont Monitoring Cooperative

9:15 am Acidification Session

Moderated by Rich Poirot

9:15 am "EPA's Aquatic Acidification Index (AAI) and Supporting Studies."

Rich Scheffe, Senior Science Advisor, Air Quality Assessment Division, Office of Air Quality Planning and Analysis, United States Environmental Protection Agency

10:00 am "What are the Impacts of Acidification on Forest Tree Health and Growth in Vermont and How Do “Critical Loads” Analyses Help Us Predict What May Happen in the Future?"

Paul Schaberg, Research Plant Physiologist, Northern Research Station, U.S. Forest Service’s Aiken Forestry Sciences Laboratory

10:25 am “Total Maximum Daily Load” Determination for Acid-Impaired Lakes by Using the “Critical Load” Capacity Approach”

Heather Pembroke, Environmental Technician, Vermont Department of Environmental Conservation

10:50 am Break - Refreshments and snacks – posters

11:05 am VMC Cooperators Session

Moderated by: TBD

11:05 am "Bioenergy Harvesting Impacts on Stand Structure and Carbon Fluxes in Northern Hardwood Forests"

William Keeton, Professor, Rubenstein School of Environment and Natural Resources, University of Vermont

11:20 am “Hydrology on High: Science to Guide Management of Mountain Development”

Jamie Shanley, Research Hydrologist, U.S. Geological Survey and Alejandro del Peral, MS Graduate Student, Rubenstein School of Environment and Natural Resources, University of Vermont
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of Vermont

- 11:35 am "Tenth-year Update on a 200-yr Soil Monitoring Study"
Donald Ross, Research Associate Professor and Ag Testing Lab Director, Plant and Soil Science Department, University of Vermont
- 11:50 am "Progress Report on a Vermont Small Mammal Atlas"
C. William Kilpatrick, Howard Professor of Zoology and Natural History, Department of Biology, University of Vermont
- 12:05 pm "A Proposal for the Development of a Vermont Water Quality Monitoring Council"
Neil Kamman, Program Manager, Monitoring, Assessment and Planning Program, Vermont Department of Environmental Conservation
- 12:15 pm Poster Introductions
- 12:30 pm Lunch, and poster session**
- 1:15 pm Potential of using i-Tree for Protecting Vermont's Forest**
Moderated by Larry Forcier
- 1:15 pm "i-Tree 5.0: An Inventory, Modeling and Resource Calculator for Natural Resource Managers".
David Bloniarz, Project Director, Urban Natural Resources Institute, Northern Research Station, U.S. Forest Service
- 2:00 pm Panel questions on the potential for i-Tree to contribute to the VMC's mission?

Members: TBD
- 2:45 pm Adjourn**

Posters

Growth and Control of flood dispersed Japanese Knotweed (*Fallopia japonica*) propagules. *By: Brian Colleran & Katie Goodall, Vermont Department of Fish and Wildlife and Plant and Soil Science Department, University of Vermont, respectively.*

Northeastern States Research Cooperative: A Research Program for the Northern Forest. *By: USDA Forest Service and NSRC Affiliates.*

Resilience in Stream E,P,T following TS Irene. *By: Vickie L. Backus, Alison B. Nurok and R. Matthew Landis, Department of Biology, Middlebury College, Middlebury VT 05753*

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