

Vermont Monitoring Cooperative **Annual Cooperators Meeting Agenda**

March 21, 2003

9 a.m. to 4 p.m.

104 Aiken Natural Resources Building
University of Vermont, Burlington

The VMC is a cooperative long-term monitoring and research program whose focus is forested ecosystems in Vermont. The purpose of the meeting is to exchange information, ideas and research results among scientists, resource managers, policy makers, educators and other interested groups and individuals. The meeting is free and open to the public.

8:30 Informal discussion and coffee

9:00 Introduction

Sandy Wilmot, VMC Monitoring Director

9:10 Welcome

Steven Sinclair, Director of Forests, Vermont Department of Forests, Parks & Recreation

Watersheds

9:25 VMC High Elevation Paired Watershed Study.

Jamie Shanley, US Geological Survey, Montpelier, VT; Beverley Wemple, University of Vermont, Burlington; and Don Ross, University of Vermont, Burlington.

9:45 Regional study of ecosystem nitrate movement: initial results from Lye Brook site.

Don Ross, University of Vermont, Burlington, VT

10:05 Discussion

Atmospheric Influences

10:10 Assessment and mapping of forest sensitivity to atmospheric sulfur and nitrogen deposition.

Linda Pardo and Natasha Duwarte, USDA Forest Service, Burlington, VT; Eric Miller, Ecosystems Research Group, Norwich, VT; and Sandy Wilmot, VT Department of Forests, Parks & Recreation.

10:45 Break

11:00 Local air quality related to regional forest fires.

Rich Poirot, VT Department of Environmental Conservation, Waterbury, VT

11:20 Mercury deposition in the vicinity of the Lye Brook Wilderness Area: Findings of sediment core analyses from four lakes in Stratton and Sunderland, VT.

Jamie Shanley, US Geological Survey, Montpelier, VT; Neil Kamman, VT Department of Environmental Conservation, Waterbury, VT

Biodiversity Watch

11:40: Invasive exotic plant species affecting Vermont now and in the future.

Catey Ritchie, Vermont Nature Conservancy, Montpelier, VT

12:00 Discussion

12:05 Poster Introductions

12:15 Lunch and Poster Presentations (Lunch is free)

Biodiversity

1:15 Landscape diversity and biodiversity on the Mount Mansfield State Forest.

Dave Capen, Megan Hughes, Kathy Ciarimboli, and Dan Farrell, University of Vermont, Burlington, VT

1:45 Edge effect on nesting success of passerines near ski slopes in montane fir forests.

Kent McFarland, Rosalind Renfrew and Chris Rimmer, Vermont Institute of Natural Science, Woodstock, VT

2:05 Discussion

Soils

2:10 Implementation of the VMC 200-year soil monitoring study.

Scott Bailey, US Forest Service, Hubbard Brook Experiment Station, Campton, NH

2:30 Break

VMC Forest Ecosystem Management Demonstration Project

2:40 Experimental design, implementation, and simulations of silvicultural effects.

Bill Keeton, FEMDP Project Leader, University of Vermont, Burlington, VT

3:10 Small mammal surveys.

Bill Kilpatrick and Ryan Norris, University of Vermont, Burlington, VT

3:20 Ground dwelling insects.

Don Tobi, University Entomology Laboratory, Burlington, VT

3:30 Economic and social analyses.

Austin Troy and Cecilia Danks, University of Vermont, Burlington, VT

3:40 Discussion

4:00 Adjourn

VMC Web Site: <http://vmc.snr.uvm.edu>