

**New England Society of American Foresters**  
**91<sup>st</sup> WINTER MEETING**  
March 29 – April 1, 2011  
Lake Morey Resort, Fairlee, VT 05045

**FORESTRY**



THE ORIGINAL GREEN PROFESSION

**Tuesday, March 29, 2011**

**1:00 – 5:00 PM      NESAF Executive Committee Meeting**

**“WE’RE BAA-AACK” (AT LAKE MOREY, THAT IS.)**

**Please note:**

As a result of popular demand this year’s meeting is again being held at the Lake Morey Resort in Fairlee, VT, a location near White River Junction, more central to New England, and a shorter drive for most of the region.

Stick around and take advantage of the activities on the program outside the formal sessions. In addition to NESAF traditions like the quiz bowl and the alumni socials, some of our members, exhibitors, and other colleagues will be offering demonstrations and workshops of interest.

The weather at the end of March can vary greatly, making outdoor activities dependent on conditions. The Lake Morey Resort has many facilities available, like ice skating (including a Nordic skating track), ice fishing, and access to a network of trails for snowmobiling, cross-country skiing, and hiking.

The resort has some skates and skis on hand, but you may want to bring your own. Also, bring your instrument for the music jam (all abilities welcome), your snowshoes if weather permits, or your running shoes.

For more information, visit the Lake Morey web site, [www.lakemoresort.com](http://www.lakemoresort.com), or call 1-800-423-1211.

## Forestry: The Original GREEN Profession

**Wednesday, March 30., 2011**

**8:00 – 5:00 NESAF Registration – Lobby**

### **GENERAL SESSION**

Terrace Ballroom

**10:00 Welcome** – Ed O’Leary, Chair NESAF  
Sam Schneski, Chair GMSAF

#### **10:30 First Keynote Address**

Topic: “Making Decisions on Climate Change Policy”  
Speaker: Mark Borsuk, Dartmouth College

#### **11:20 Second Keynote Address**

Topic: “Irregular Shelterwood as an Approach for Rehabilitative Silviculture”  
Speaker: Patricia Raymond, Quebec Ministry of Natural Resources and Wildlife

**12:00 – 2:00 Buffet Lunch and NESAF Business Meeting**

**2:00 – 2:15 Break and Exhibits/Posters – Morey Room**

**2:15 - 3:45 CONCURRENT SESSIONS A**

#### **Technical Session 1: Rehabilitation Silviculture – Terrace Ballroom**

Moderator: John Brissette, USDA Forest Service, Northern Research Station  
**Ralph Nyland**, SUNY College of Environmental Science and Forestry  
**Jean-Martin Lussier**, Canadian Forest Service  
**Laura Kenefic**, USDA Forest Service, Northern Research Station

#### **Technical Session 2: Urban Forestry from 30,000 feet – Lakeside Room**

Moderator: John Parry, USDA Forest Service, NA, Durham, NH  
*New Tools in Remote Sensing to Manage the Urban Forest*  
**Jarlath O’Neil-Dunne**, University of Vermont: Urban Tree Canopy Analysis -  
**Dave Schneider**, City of Rutland, and **Nancy McGuire**, NRCS: Case Studies – Rutland, VT  
**William Frament**, USDA Forest Service: Use of Sketch Mapping to Plan Urban Tree Planting and Management

#### **Technical Session 3: Field Investigations- A Growing Trend in Environmental Education – Waterlot Room**

Moderator: Karen Bennett, N.H. Extension Forester, UNH Cooperative Extension  
**Susan Cox**, Conservation Education Coordinator, NA State and Private Forestry: Overview of Field Investigations and the How Foresters Can Help  
**Esther Cowles**, Executive Director, N.H. Project Learning Tree: A Prescription for Changing Teacher Practice  
**Pat Maloney**, Coordinator, Maine Project Learning Tree & **Ken Laustsen**, Biometrician, Maine Forest Service: Forest Inventory Growth Project (FIG)- A Field Application for High School Students

#### **Technical Session 4: Innovations in Non-Timber Forest Inventory and Assessment - Theater**

Moderator: Spencer Meyer, Center for Research on Sustainable Forests, University of Maine  
**Patrick Graham**, International Wind Energy Lead, James W. Sewall Company: Wind Project Siting and Development on Forest Land  
**Dave Fuller**, Coop Extension, Univ. of Maine: Forest Mensuration for Non-Timber Products  
**Jim Smith**, Research Plant Physiologist, US Forest Service: Getting There From Here: Ways of Measuring Forest Carbon Stocks

## Forestry: The Original GREEN Profession

**3:45 – 4:00 Break and Exhibits/Posters – Morey Room**

**4:00 – 5:30 CONCURRENT SESSIONS B**

### **Technical Session 5: National Forest Silviculture in New England – Terrace Ballroom**

Moderator: Chris Casey, USDA Forest Service, Middlebury, VT

**Chris Casey:** Silviculture and Stewardship-an Integrated Resource Approach for the Green Mountain and Finger Lakes National Forests

**Nancy Burt:** Soil Disturbance Monitoring on the Green Mountain NF

### **Technical Session 6: Community Forestry Initiatives – Lakeside Room**

Moderator: David Kittredge, University of Massachusetts, Amherst, MA

**Kristen Hoffmann,** Forestland Steward, Forest Society of Maine: Amherst Mountains Community Forest.

**Carl Wallman** (landowner, Harmont Hill Farm) and **Jim Oehler,** NH Fish and Game: Northwood Area Land Management Collaborative,

### **Technical Session 7: Floodplain Forest Restoration– Waterlot Room**

Moderator: Dan Kilborn, Vermont Land Trust, St. Johnsbury, VT

**Mike Kline,** VT State Rivers Program Manager: An Introduction to Fluvial Geomorphology.

**Roy Schiff,** Water Resource Scientist and Engineer, Milone & MacBroom, Inc.: Floodplain Functions and Restoration.

**Liz Thompson,** Director of Conservation Science, Vermont Land Trust: Floodplain Communities in New England.

### **Technical Session 8: GIS Data Acquisition and Integration – Theater**

Moderator: Wilfred Mercier, James W. Sewall Company

**Lin Neifert,** Vermont Liaison, US Geological Survey: National Datasets

**Jake Metzler,** Forestland Stewardship Manager, Forest Society of Maine: Integrating GIS Data from Private and Public Sources for Forest Conservation

**Brad Agius,** GIS Analyst and Ecologist, Tetra Tech, Inc.: Spatial Data Essentials for Natural Resource Assessment

<b>5:30 – 6:30</b>	<b>Theater:</b>	<b>Student Quiz Bowl</b>
	<b>Morey Room:</b>	<b>Woodcraft and Technology Demos / Posters and Exhibits</b>
	<b>Steamboat Lounge</b>	<b>Ice Breaker</b>

**6:00 – 8:00 Pizza for Students After the Quiz Bowl – sponsored Pizza for STUDENTS**

**6:00 – 8:00 Dinner Cash Buffet in the dining room or on your own**

**7:30 – 9:30 Entertainment: Steamboat Lounge – Cold Country Bluegrass**



Forestry: The Original GREEN Profession

**Thursday, March 31, 2011**

- 7:00 – 5:00**      **Registration – Lobby**
- 7:00 – 8:30**      **Continental Breakfast – Morey Room**  
**7:30 – 8:30**      **Working Group Meetings – locations TBA**  
                         **Student Meeting – Waterlot Room**

**GENERAL SESSION**

Terrace Ballroom

- 8:30 – 10:00**      **Panel Discussion: Maintaining Connectivity , Sustaining Ecosystems**  
                         **Justina Ray**, Two Countries One Forest  
                         **David Foster**, Harvard Forest
- 10:00 – 10:30**      **Break / Exhibits / Posters - Morey Room**
- 10:30 – 12:00**      **CONCURRENT SESSIONS C**

**Technical Session 9: Staying Connected: cross-boundary management: – Edgewater Room**

Moderator: Nancy Patch, Vermont Department of Forests & Parks

**Phil Huffmann**, The Nature Conservancy VT: four state/bi-national perspective

**Dirk Bryant**, Adirondack Nature Conservancy: modeling and land protection

**Corrie Miller**, Staying Connected Initiative: community engagement

**Technical Session 10: What do you mean, Soils are Green? – Lakeside Room**

Moderator: Sam Schneski, Vermont Department of Forests & Parks

**Thomas Villars**, USDA NRCS: From Stamford to Fort Kent - an overview of New England soils at the speed of sound!

**Scott Bailey**, U. S. Forest Service, Northern Research Station: Understanding soil processes that influence tree distribution, growth and health.

**Don Ross**, University of Vermont: The carbon beneath your footprints: how much and how stable is the carbon in **Vermont's** forest soils.

**Technical Session 11: Deer Mismanagement: – Theater**

Moderator: Bill Kropelin, Burlington Electric Department

**Erhard Frost**, Forest Guild: Deer impacts on hardwood regeneration and herd “management”

**Shawn Haskell, Wildlife Biologist**, VT Dept of Fish and Wildlife deer management goals

**Joe Nelson**, Prentiss and Carlisle: Deer, limited hunting pressure, and effects on invasive plants

**Technical Session 12: Climate Change topics: – Waterlot Room**

Moderator: Mary Beth Dewey, Green Mountain National Forest

**Patricia Butler**, Northern Institute of Applied Carbon Science: Climate Change Response Framework for the Chequamegon-Nicolet National Forest (CNNF)

**John Gunn**, Manomet Center: Biomass Sustainability and Carbon Policy

**Matthew Smith**, Finite Carbon: Forest Carbon Opportunities and Markets

- 12:00 – 2:00**      **NESAF Awards Luncheon – Terrace Ballroom**

Forestry: The Original GREEN Profession

**Thursday, March 31, 2011, continued**

**2:00 – 3:30**      **CONCURRENT SESSIONS D**

**Technical Session 13: Silviculture for Biodiversity – Theater**

Moderator: Mike Snyder, Vermont Department of Forests & Parks

**Si Balch**, New England Forestry Fdn: ProSilva – A European approach to sustainable forestry

**Andy Whitman**, Manomet Center: Biodiversity and managed forests

**Donald Chandler**, University of New Hampshire: Insect diversity and managed forests

**Technical Session 14: Woodland Partnerships – case studies – Lakeside Room**

Moderator: Nancy Patch, Vermont Department of Forests & Parks

**Ben Machin**, Orange County Headwaters (VT)

**Jay Rasku**, North Quabbin Partnership (MA)

**Amanda Mahaffey**, Kennebec Woodland Partnership (ME)

**Technical Session 15: Invasive Species updates – Edgewater Room**

Moderator: Mary Beth Dewey, USDA Forest Service, GMNF, Rutland, VT

**Kimberly Wallin**, University of Vermont and US Forest Service: “An overview of invasive species problems in forests and why foresters should care”

**Kevin Dodds**, USDA Forest Service, NA, Durham, NH: Asian Longhorned Beetle

**Nate Siegert**, USDA Forest Service, NA, Durham, NH: Emerald Ash Borer

**Tom Lautzenheiser**, Massachusetts Audubon: Hardy Kiwi and other invasive plant problems

**Technical Session 16: Offered Presentations: *Lightning Round* – Waterlot Room**

Moderator: Mark Twery, USDA Forest Service, NRS, Burlington, VT

8 speakers, 10 minutes each – NEW APPROACH – Come see who has breaking news!

**3:30 – 5:00**      **Poster Session With Authors present/ View Exhibits – Morey Room**

**5:00 – 6:00**      **Wildlife Tracking Workshop** - Garden Room

Who is in the woods with you? Join forester/tracker Lynn Levine, co-author of *Working with Your Woodland: A Landowner's Guide*; *Mammal Tracks and Scat: Life-Size Tracking Guide*; and, now, *Snow Secrets*, to hone your tracking skills. This in-depth session will include studying about the movement patterns of mammals, their track patterns, their scat, and other signs. Come and share your own tricks of the trade.

**5:30 – 7:30**      **Alumni Socials**

**6:00 – 8:30**      **Dinner**                      **Cash Buffet in the dining room or on your own**

**8:00 – until**      **Traditional music jam session** – Steamboat Lounge – bring your instrument(s)

**CFE CREDITS ARE AVAILABLE FROM SAF**

**LICENSING CREDITS ARE PENDING FOR INDIVIDUAL NEW ENGLAND STATES.**

This meeting has been certified by SAF for attendees to receive continuing education credits up to the amounts listed for each day. Forms to certify attendance and credit will be available at the meeting.

Wednesday, March 30, 2011: up to 4.5 hours

Thursday, March 31, 2011: up to 5.5 hours

Friday, April 1, 2011: up to 3.0 hours

Total up to 13.0 hours

## Forestry: The Original GREEN Profession

### Friday, April 1, 2011

7:00 – 8:30 Registration and Continental Breakfast

#### FIELD TRIPS and WORKSHOPS

8:30 – 12:00

Field trips will convene in meeting rooms for 20 to 40 minutes for indoor presentations, then organize carpools and proceed to field sites. **BYO: hardhat and safety equipment.**

- Field Trip 1:** Silvicultural Options for Managing Invasives: the experiences of Dave Paganelli, Orange County Forester
- Field Trip 2:** Tour of the Ryegate Power Plant (Peter Condaxis)  
The field trip to Ryegate Power Station will be a tour of a 20-MW wood-fired electrical generating facility that burns 250,000 tons of wood chips annually. Ryegate Station has been in operation since 1992, generating enough renewable electric energy to power 20,000 homes. Wood fuel derived from Vermont sources is subject to Ryegate's "Harvesting Policy For Whole-tree Chipping in Vermont", requiring Vermont chip harvest sites to meet silvicultural, wildlife, water quality and other considerations.
- Field Trip 3:** Wood-fired boilers in schools (Paul Frederick)  
(Organizer: Sam Schneski)  
Note: This is an encore from a popular tour from 2007. This time we will visit Hanover High School and tour their wood-fired heating plant.
- Field Trip 4:** Assessing Habitat Conditions and Options for integrating Timber and Forest Bird Habitat Management  
(Mike Snyder) We will visit a nearby forested site and assess the habitat conditions (Steve Hagenbuch) and discuss possible management options.
- Field Trip 5:** Furniture Manufacturing in the Connecticut Valley  
CANCELED -- CANCELED -- CANCELED
- Field Trip 6:** **Silviculture on the Green Mountain National Forest**  
(Organizer: Chris Casey) "Join Foresters, Soil and Wildlife Specialists in a visit the South Road and Apple Orchard Stewardship timber sales on the Manchester District of the Green Mountain and Finger Lakes National Forests. We will look at and discuss various activities including oak, pine, aspen management, soil monitoring and conversions of plantations to wildlife openings. See and hear how our planning and collaboration with local town government and the National Wild Turkey federation has led to successful stewardship of public lands in Vermont."

**Friday, April 1, 2011, continued**

**WORKSHOPS**

8:30 – 12:00

**Workshop 1: Outdoor Recreation 'Cruising' for Natural Resources Professionals**

Dr. John Daigle, University of Maine.

If you work with a town, land trust, or other conservation organization managing their land, do you know how to estimate recreational use or visitation? Practicing foresters know all about cruising to estimate timber volume, value, and extent, but how do you estimate how many people visit a forest? This is increasingly important for towns and organizations, since they need to be able to explain the importance of the land, justify an acquisition, and maybe attempt to acquire more. Estimates of public visitation and use can be important in making the case to acquire and manage forest.

This workshop covers easy to-do recreation assessments that a forester, land trust conservation specialist, or others could do as part of their management. This workshop won't go into the details of a rigorous scientific recreation assessment, but will describe how could someone without much background and a low budget can improve their recreation management by knowing how to count visitors and assess impacts.

**Workshop 2: Biomass Crop Assistance Program (BCAP)**

*The Good, the bad and the ugly.* Led by Bill Samal

**Robert Paquin**, Vermont State Executive Director, USDA Farm Service Agency. Bob will provide an overview of BCAP from its inception to date and what future it may have.

**Heath Bunnell** is owner of H.B. Logging. Heath owns three chippers, sells his products to multiple markets and participated in the BCAP program. He will give a loggers perspective on the program.

**Charles Levesque**, President of Innovative Natural Resource Solutions LLC. Charlie will cover his experiences in assisting loggers and biomass users work with BCAP as well as any unintended consequences of the program

**Travis Cork**, is a consulting forester in South Carolina. He is a student of Austrian Economics and the authors Mises and Hayek. Travis will express his opinions on programs like BCAP, and their unintended consequences.

**Workshop 3: Desktop GIS for Foresters in 2011  
Friday GIS Workshop (Half Day Demonstration Workshop):**

When was the last time you updated your GIS knowledge? GIS systems, and their uses for foresters are constantly evolving. Even someone who uses GIS on a weekly or daily basis can find it hard to keep up with all the new developments. If you have a basic knowledge of GIS but find yourself wondering what the latest software is like, or if there might be a better way of accomplishing certain GIS tasks, than this is the GIS workshop for you.

Geared towards foresters who are intermediate users of GIS, this workshop will cover topics such as:

- Data Storage Techniques
- Imagery Use Options
- Queries and Data Tables
- Map Creation
- Data Import and Export
- Data Processing Tools

This will be a demonstration workshop, with ArcGIS 10.0 being the primary platform. Subjects will be covered using a mixture of lectures and live demonstrations. Participants are welcome to bring personal laptops with their own accessible licenses to GIS software to use to follow along with the demonstrations. The sample data used in the demonstrations will be provided. It is also perfectly acceptable to simply listen to the lectures, or to watch while a friend follows along on their computer.

This workshop is organized by Lance Case of Huber Resources and Wilfred Mercier of The James W. Sewall Company.