

NENHC 2013 Field Trips & Workshops

Sat

SATURDAY APRIL 13, 2012

9:00 AM-
3:00 PM

Vernal Pool Ecology, led by John Dick of Blue Lion Training

This field trip will explore a number of vernal pools in the area, where John will discuss vernal pool ecology, functions, and values, as well as regulatory implications. Enough nets, bags, buckets and the like will be provided for all attendees to get in on the action, though if you have your own favorite dipnet or other equipment, please feel free to bring it. Waders, while not required, could be useful. Dress appropriately—no sneakers, rain gear if wet weather is forecast, etc.

Depart from Springfield Sheraton. Cost: Free, though a donation of \$10 is suggested, 100% of which will go to supporting environmental education in the Springfield public school system.
For more info: Contact Stacy Carpenter at scarpenter@blueliontraining.com

10:00 AM
-3:00 PM

Bark: Get to Know Your Trees, led by Michael Wojtech of Knowyourtrees.com

The traits typically used to describe trees—leaves, twigs, and buds—are often difficult or impossible to see or, in the case of leaves, absent more than half the year. Join Michael for an exploration of bark, which is always visible, in any season. You will learn about a system for distinguishing trees by their bark, and begin to discover why such a variety of bark characteristics exist. Why do some species have smooth bark, while on others it is thick and broken? Why does bark peel? We will begin with an indoor presentation and activity, followed by a field trip to the diverse forests of Robinson State Park, where we will practice identifying trees by their bark and discover a wide variety of functional bark characteristics.

Meet in Room B. Cost: Free. For more info: Contact Michael at michael@knowyourtrees.com

10:30 AM
-3:00 PM

Mt. Toby Roaring Brook Falls, led by Bryan Connolly of MA Division of Fisheries and Wildlife

Mt. Toby, in the town of Sunderland, MA, is a botanical hotspot. The bedrock of this plateau is composed of basalt and Mt. Toby Conglomerate. The weathering of these parent materials has resulted in a relatively rich and high pH soil that supports a diversity of unusual wildflowers and ferns. The fieldtrip will be centered in the general area of the scenic Roaring Brook Falls. Some species that are present at the site include the shrub Bladdernut (*Staphylea trifolia*); unusual ferns such as Goldies Fern (*Dryopteris goldiana*), Walking Fern (*Asplenium rhizophyllum*), and Silvery Glade Fern (*Deparia acrostichoides*); and wildflowers including Large Toothwort (*Cardamine maxima*), Blue Cohosh (*Caulophyllum thalictroides*), and Jack-in-the-pulpit (*Arisaema triphyllum*). In addition to the high general diversity of the flora, seven state-listed plant species are present at the site. This general vicinity is also known habitat for rare turtles, snakes, raptors, and dragonflies.

Depart from Springfield Sheraton. Cost: Free. For more info: Contact Bryan at bryan.a.connolly@state.ma.us

10:30 AM
-3:00 PM

Montague Plains Pitch-Pine Scrub Oak Barrens, led by Timm Simmons of MA Division of Fisheries and Wildlife

Montague Plain Wildlife Management Area is a 1500-acre property located in Montague, MA. 800 acres of the WMA are pitch pine-scrub oak barrens, and the site has been the subject of studies on fire ecology (birds, snakes, bees, Lepidoptera, vegetation), hazardous fuels management, and the effects of land-use history on vegetation patterns. Participants will tour areas that have been managed mechanically, with prescribed fire, and with combinations of these techniques. Tim will be joined by other investigators to lead an approximately 3 hr tour. Participants should bring food and water, appropriate footwear and outer gear for conditions presented and be prepared for a leisurely hike with multiple stops.

Depart from Springfield Sheraton. Cost: Free. For more info: Contact Tim at tim.simmons@state.ma.us

Saturday	<h1 style="text-align: center;">More NENHC 2013 Field Trips & Workshops</h1>
Two Sessions: 3:00 PM - 4:30 PM and 4:30 PM - 6:00 PM	<p>Close Up Photography, led by Jerry Jenkins of Wildlife Conservation Society Adirondack Program</p> <p>A workshop in focus stacking, a recent technique for combining multiple images to overcome the limited depth-of-field of single-image close-ups. The camera is mounted on a tripod and focused on the top of the subject. Then a series of images are taken, moving the camera a few millimeters, or even a few hundredths of a millimeter, closer each time, creating a series of slices at different depths. Some subjects need five slices, some a hundred or more. The slices are then processed with software that locates and merges the sharpest parts of each, creating a composite image that can then be edited like other digital images. The workshop will take two hours. The first hour will demonstrate the techniques. The second hour will let participants try the techniques with their own cameras and specimens.</p> <p>Equipment: if you want to try the techniques you should bring a camera and a laptop, and download the (free) trial version of Zerene stacker from http://zerenesystems.com/cms/stacker. Examples & Background: Spectacular examples of stacked photographs and valuable discussions of the process can be found on http://zerenesystems.com/cms/stacker and http://www.photomacrography.net/.</p> <p>Meet in Room A. Cost: Free. For more info: Contact Jerry at jcjenkins@hughes.net Note that due to demand this workshop is being offered twice.</p>
3:30 PM - 5:00 PM	<p>Go Botany! New England Wild Flower Society's on-line Flora of New England, led by Elizabeth Farnsworth of New England Wild Flower Society</p> <p>Imagine being able to identify plants in the field and learn all about them using an innovative set of keys on your iPad, desktop computer, or smartphone. That is the vision of Go Botany, New England Wild Flower Society project to develop the definitive on-line Flora of New England, funded by the National Science Foundation. Together with the Yale-Peabody Museum of Natural History, Chewonki Foundation, and Montshire Museum of Science and other educational partners, we are creating a web tool for use in schools, field classes, citizen science networking, trail guides, and museum displays. Land trusts, managers, field naturalists, and amateur and professional botanists will all find this resource useful. Elizabeth will introduce this multi-faceted project, which includes: a richly illustrated interactive key to over 1,200 native and naturalized plants of our region; linked multiple-access and dichotomous keys for more experienced botanists covering over 3,500 taxa; and PlantShare (a place for plant enthusiasts, teachers, and students to connect, share discoveries, and develop collaborative checklists for sites). Bring your tablet or laptop computer and learn how to use the wonderful features of Go Botany!</p> <p>Meet in Room B. Cost: Free. For more info: Contact Elizabeth at efarnsworth@mtholyoke.edu</p>
7:30 PM - 10:00 PM	<p>How to Identify the Ant Genera of Northeast North America, led by Aaron Ellison of Harvard Forest</p> <p>This workshop will introduce participants to the more than 30 genera and 150 species of ants in northeast North America. The genera can be distinguished by a relatively small set of characteristics visible with a 10x hand lens or low-power microscope. In this workshop, the authors of the new Field Guide to the Ants of New England (Yale University Press 2012) will present an introduction to these characters and work with participants who want to learn how to identify the genera of the ants of the northeast. Representative specimens will be on hand, and microscopes and hand lenses will be available for use. Participants are welcome to bring in their own specimens for identification. For more information: Contact Aaron at aellison@fas.harvard.edu.</p> <p>Meet in Room A. Cost: Free. For more info: Contact Aaron at aellison@harvard.edu</p>

SUNDAY MORNING	SUNDAY APRIL 14, 2013			
7:00-5:00	Conference Registration Open			
7:00-8:00	Set up for exhibitors			
8:00	Exhibitions Open			
7:30-8:30	Set up for Day 1 scientific posters			
7:45-8:25	PowerPoint preview and technology check for Sunday presentations - in the room in which your talk will be given			
8:30-10:00	Concurrent Sessions - Morning I			
	Room A	Room B	Room C	Room D
	Ant Ecology I	Cooperative Conservation: Working Together to Reintroduce and Establish Species	Regional (Multi-state) In-situ Reptile/Amphibian Conservation	Breeding Ecology of Songbirds
Moderator	Aaron Ellison	Brian Bastarache	Michael Jones	Brandi Van Roo
8:30-8:34	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
8:34-8:54	Valerie Banschbach Ant Species Diversity in Burned Versus Unburned Sandplain Forest in Vermont	Lou Perrotti A Report on the 19-year Effort to Establish the American Burying Beetle (<i>Nicrophorus americanus</i> Olivier) to Nantucket Island, Massachusetts	Brad Timm Metapopulation Dynamics of Pool-Breeding Amphibians: The Marbled Salamander (<i>Amylostoma opacum</i>) in Western MA	Michael Akresh Prairie Warbler Nest-Site Selection, Nest Survival, and Demographic Response to Management
8:56-9:16	Grace Barber A Survey of Ants in Three of New York's Inland Pine Barrens and Sand Plains	Ian Ives and Bryan Windmiller Eastern Spadefoot Toad Restoration: Habitat Creation, Reintroduction, Translocation, and Monitoring Techniques	Noah Charney Spatial Scale and Expert Opinion in Modeling Pond-breeding Amphibian Habitat	Renee McDonough Ejection Strategies for the Removal of Parasitic Cowbird Eggs by a Host Species, the Warbling Vireo (<i>Vireo gilvus</i>)
9:18-9:38	Aaron Ellison The Ants of Rhode Island: Historical Records and New Observations	Brian Butler Establishment of a Population of Blanding's Turtle (<i>Emydoidea blandingii</i>) at Assabet River National Wildlife Refuge: Headstarting and Translocation	Anne Stengle Conservation of the Timber Rattlesnake (<i>Crotalus horridus</i>) in New England	Ethan Clotfelter Experimental Approaches to Understanding the Effects of Air Temperature on Incubation Behavior in a Cavity-nesting Bird
9:40-10:00	Jennifer Apple Nest Relocation of the Slavemaking Ants <i>Formica subintegra</i> and <i>F. pergandei</i>	Jonathan Regosin Headstarting as a Tool in the Restoration of an Endangered Population of Northern Red-bellied Cooter	Lisabeth Willey An Update on Regional Conservation Planning Efforts for Two Rare Turtle Species in the Northeastern US	Andrew Vitz The Post-fledging Ecology of Mature Forest Songbirds in a Managed Forest Landscape
10:00-10:45	Morning Poster Session and Reception with light snacks and beverages			

10:45-12:40	Concurrent Sessions - Morning II			
	Room A	Room B	Room C	Room D
	Hemlock Woolly Adelgid and New England Forests	Marine Ecology	Urban Ecology	Bird Migration and Ecology
Moderator	Evan Preisser	Tom Trott	David Krauss	Glen Mittelhauser
10:45-10:50	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
10:50-11:10	Joseph Elkinton Population Dynamics of Hemlock Woolly Adelgid	Kari Lavalli A Non-Invasive Method for Determining Mating Success in Female American Lobsters	David Krauss Differences in Behavioral Responses to Flash Photography by Birds in Urban and Non-urban Environments	Jennifer McCabe A Validated Model for Migratory Stopover Distribution in North America: Identifying Generalizable Predictors of Site Use
11:12-11:32	Liahna Gonda-King Exotic Herbivore Interactions: Scaling Down from Landscape Patterns to Plant and Insect Responses	Kylla Benes Nutrient Uptake Efficiency Ameliorates Limited Access Time to Nutrients in an Intertidal Seaweed	David King Wood Thrush Nesting Success and Postfledging Survival in Suburban and Forested Landscapes	Jessica Van Splinter Linking Land Cover and Migratory Waterfowl: A Case Study in Northeastern New York
11:34-11:54	Jenna Zukswert Changes in Nutrient Cycling as a Result of Eastern Hemlock Removal	Barbara Warkentine Growth Rates, Sex Ratios, and Fecundity of Co-occurring Shrimp from the East River, New York	Peter Nguyen The Importance of Small Parks in the Urban Environment	Susan Smith Assessing the Nutritional Impact of Invasive Fruits on Migrating Songbirds
11:56-12:16	David Orwig Landscape-level Impact of Hemlock Woolly Adelgid on Forest Structure and Composition	Joseph Rachlin Exploratory Analysis of Marine Fish Distributions in the New York Bight from a 1984 - 1986 Dataset	Michelle Mathios Bats in the Bronx: An Acoustic Survey	Pamela Hunt Declines of Aerial Insectivorous Birds in the Northeast: A Call to Action
12:18-12:40	R. Talbot Trotter III Effect of Hemlock Adelgid on New England Arthropod Biodiversity	Thomas Trott Searching for the Nereids in the Bay of Boiling Waters, Cobscook Bay, Maine	Suzanne Clemente Activity Patterns of the Eastern Coyote in New York City	William Barnard Prevalence of Hematozoa in Rusty Blackbirds (<i>Euphagus carolinus</i>) on their Breeding and Winter Grounds
12:45-2:00	Lunch (included for those who pre-registered for the conference)			

SUNDAY AFTER LUNCH	SUNDAY APRIL 14, 2013			
1:40-2:00	PowerPoint preview and technology check for Sunday afternoon presentations - in the room in which your talk will be given			
2:00-3:50	Concurrent Sessions - Afternoon I			
	Room A	Room B	Room C	Room D
	Natural History and Trends in Northern Animals	A Cooperative Effort to Identify and Report Newly Emerging Invasive Species in the CT River Watershed	Impacts on Biodiversity of Hydraulic Fracturing for Natural Gas	Use of Telemetry for Study of Aquatic Ecosystems
Moderator	Jerry Jenkins	Cynthia Boettner and Brent Kinal	Erik Kiviati	Andy Danylchuk
2:00-2:04	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
2:04-2:24	Clifford Kraft Elevated Summer Temperatures Delay and Reduce Spawning by Resident Brook Trout (<i>Salvelinus fontinalis</i>)	Cynthia Boettner Introducing the Cooperative Effort to Identify and Report Newly Emerging Invasive Plant Species in the Connecticut River Watershed	Kathryn Barlow Invasive Plant Dispersal along the New Corridors of Shale Gas Extraction	Andy Danylchuk Acoustic Telemetry in New England Coastal Waters: Efficiencies and Limitations
2:25-2:45	David Patrick The Frog of the North: Mink Frog Ecology and Climate Change	Karen Lombard and Brent Kinal Reporting New Invaders to Databases Used in the Northeast: EDDMapS and iMapInvasives	Kathy Michell Colonization of Natural Gas Pipeline Corridors by Timber Rattlesnakes	Erin Snook Movement Patterns of Anadromous Brook Trout in a Restored Coastal Stream in Southern Massachusetts
2:46-3:06	Amy Sauer Mercury Bioaccumulation within Terrestrial Foodwebs in the Adirondack Park of New York State	Charles Schweik The "OutSmart Invasive Species" Invasive Species Early Detection System and Related Research Studies	Jennifer Caldwell Protecting Biodiversity through Regulations	Matt Bolus Spatial Ecology of the Northern Diamondback Terrapin (<i>Malaclemys terrapin terrapin</i>) in Wellfleet Harbor, MA: Assessing Impacts from Coastal Dredging
3:08-3:28	Ezra Schwartzberg Climate-induced Phenological Asynchrony between Forest Tent Caterpillars and their Hosts Trees.	Ted Elliman Identification and Distribution of Early Detection Invasive Species in the Connecticut River Watershed	Erik Kiviati Hydraulic Fracturing Threats to Species with Restricted Geographic Ranges in the Eastern United States	Heather Tyrrell Short-Term Movement Patterns of Striped Bass Quantified Using Tri-axial Accelerometers in a Massachusetts Coastal Bay
3:30-3:50	Nina Schoch Common Loons in the Northeast: Natural History and Conservation Threats		Open Discussion on the Potential Impacts of Hydraulic Fracturing for Natural Gas	George Maynard Black Bass Dispersal after Tournaments on Lake Champlain

3:50–4:20	Afternoon Poster Session and Reception with light snacks and beverages			
4:20–5:30	Concurrent Sessions - Afternoon II			
	Room A	Room B	Room C	Room D
	Natural History and Trends in Northern Plants	Approaches to Invasive Species Management	Reptile and Amphibian Conservation	Northeastern Pine Barrens I
Moderator	Jerry Jenkins	Mike Bald	Michael Jones	Neil Gifford
4:20–4:25	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
4:25–4:45	Glenn Motzkin Conifer Swamps of Central and Western Massachusetts	Brent Kinal Invasive Species Prevention Zones: A Tool for Prioritizing Management	Megan Henriquez The Effect of Relocation on Eastern Box Turtle Home Ranges and Movement Patterns	Paul Goldstein Habitat Associations of Threatened Lepidoptera on Martha's Vineyard (Dukes County, MA): Historical and Empirical Insights from an Island Sandplain
4:48–5:08	Charles Canham Temperature Sensitivity of the Demography and Distribution of Northern Tree Species	Gary Kleppel The Influence of Grazing on Species Richness in the Plant Community: The Role of Canopy Reduction	Tom Michell Time Lapse Camera Study of Timber Rattlesnake Emergence at an Undisturbed Den in the Northeast	Georgia Keene Distribution and Phenology of Barrens Buck Moth, <i>Hemileuca maia</i> (Drury), in the Albany Pine Bush Preserve
5:10–5:30	Jerry Jenkins Roseroots, Saxifrages, and Anemones: Similar Subarctic Species Doing Very Differently	Richard Gardner Locating and Using Native Biocontrols for Invasive Non-native Plants: A New Paradigm	Sophia Windstam Prevalence of <i>Batrachochytrium dendrobatidis</i> , Causal Agent of Amphibian Chytridiomycosis, in Oswego County	Steve Campbell Numerical Response of the Endangered Karner Blue Butterfly (<i>Lycaeides melissa samuelis</i>) to Recovery Efforts at the Albany Pine Bush Preserve
5:30–6:30	Open Networking Session with cash bar and finger foods			
5:30–6:30	Take down for Day 1 scientific posters			
6:00–6:30	Field Guide to the Ants of Northeast North America book signing with author Aaron Ellison			
6:30–8:30	Plated dinner and socializing - ticketed event			

MONDAY MORNING	MONDAY APRIL 15, 2013			
7:00–5:00	Conference Registration Open			
7:00–8:00	Set up for exhibitors			
8:00	Exhibitions Open			
7:30–8:30	Set up for Day 2 scientific posters			
7:45–8:25	PowerPoint preview and technology check for Monday presentations - in the room in which your talk will be given			
8:30–10:00	Concurrent Sessions - Morning I			
	Room A	Room B	Room C	Room D
	Forests, Climate Change, and Disturbance Ecology	Ant Ecology II	Conservation, Outreach, and Citizen Science	Fire Ecology
Moderator	Sydne Record	Aaron Ellison	Donna Vogler	William Patterson III
8:30–8:34	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
8:34–8:54	Jaclyn Testani Do Temperate Deciduous Forests Experience Synchronous Disturbances?	Andrew Nguyen Heat-shock Protein Expression and Thermal Tolerance in <i>Aphaenogaster picea</i>	Peter Daniel Adopt-a-Trout: Citizen-Science and Radiotelemetry	Carly Brown Assessing the Impact of Prescribed Burning on Lepidopterans of the Ossipee Pine Barrens
8:56–9:16	Dario Martin-Benito Geographical Response of Tree Growth to Climate at Subcontinental Scales across a Humid, Temperate Deciduous Forest	Erin Hilley Myrmecochory and <i>Corema conradii</i> at the Cape Cod National Seashore	Danielle Garneau Monitoring Wildlife Using Smartphones: The Role of Mobile Devices in Research and the Classroom	Zara Dowling and Bill Patterson 25-year Impacts of Season and Frequency of Burning on Pitch Pine/Oak Forests: An Experimental Approach
9:18–9:38	Neil Pederson Ecological Insights from Industrial Dendro: Missing Rings and the Importance of Seed Source in 36-year-old <i>Pinus rigida</i>	Robert Clark An Ant-Treehopper Mutualism Alters the Predatory Effects of Ants by Altering Ant Community Structure	Karl McKnight Using Local Flora and Fauna to Teach Ecology and Systematics: An Example with Mosses	Julie Richburg Effects of Seasonal Timing of Treatments on Woody Invasive Species
9:40–10:00	Bill Deluca Breeding Ecology of a Montane Songbird along an Elevation Gradient: Consequences of Temporal and Spatial Variation in Climate	Aaron Ellison Forecasting Species Distributions: Lessons from Ants	Donna Vogler Conservation Education: Teaching, Learning, and Assessment with NCEP Modules	Bill Patterson and Karen Beattie Effects of Burn Season on <i>Corema conradii</i> Survival and Reestablishment
10:00–10:45	Morning Poster Session and Reception with light snacks and beverages			

10:45-11:55	Concurrent Sessions - Morning II			
	Room A	Room B	Room C	Room D
	Northern Plants and Climate Change	Large-Scale Management of Invasive Species	Cooperative Conservation: Working Together Through Citizen Science	Northeastern Pine Barrens II
Moderator	Jerry Jenkins	Mike Bald	Brian Bastarache	Neil Gifford
10:45-10:50	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
10:50-11:10	Jesse Bellemare Patterns of Forest Plant Endemism in Eastern North America: Implications for Conservation in a Warming World	Brian Colleran Growth and Control of Flood-dispersed Japanese Knotweed (<i>Fallopia japonica</i>) in the Wake of Tropical Storm Irene	Scott Smyers Pilot Studies Using Volunteers and Students Metamorphosing into Long-term Data Sets of Amphibians, Reptiles, and Insects in Massachusetts and New Hampshire	Amanda Dillon Wildlife Camera Trapping in the Albany Pine Bush Preserve
11:12-11:32	Sean Robinson Effect of Elevation on Reproductive Performance in Three Sphagnum Species	Karen Lombard Reducing the Threat from Invasive Plants within a Large Forested Landscape: Lessons Learned from an 11-year Control Project	Bryan Connolly Citizen Scientist and Non-profit Environmental Organization Participation in Massachusetts Endangered Plant Conservation	Neil Gifford Simulated Thinning of Pine Barrens Forest and Crown Fire Hazard at the Wildland-Urban Interface
11:34-11:55	Jack Tessier Implications of Reduced Winter Snowfall for Wintergreen Ferns	Richard Gardner Chemical and Biological Control of <i>Ailanthus altissima</i>	Aaron Caswell Beyond the Chalkboard: How Students Benefit from Cooperative Conservation	David King Eastern Hognose Snakes and Fuels Reduction Treatments in Pitch Pine-Scrub Oak Barren in Central Massachusetts
12:00-12:45	<p style="text-align: center;">Plenary Session - Room A - Climate Change Biology in the Northeast with Jerry Jenkins, Ecologist, Wildlife Conservation Society Adirondack Program</p> <p>At our current rate of greenhouse emissions, the Northeast may warm by 4 degrees Celsius or more or more in the next century. This, in scale, is equivalent to lowering the uplands of the Northeast by about 400 meters, or moving them south to West Virginia or Tennessee. Changes of this scale will certainly have biological effects. Current models predict some of these effects, but only by leaving out dispersal, competition, and adaptation, which is to say by leaving out the biology that really matters. If we want to do better than this, we are going to need better data, and this means better natural history. This lecture asks what it will take to get that data. What species are we watching now, and what are we seeing? What species should we be watching? What kind of change should we be looking for? What should we be doing with the data? And will we be able to connect it to climate change?</p>			
12:45-2:00	Lunch (included for those who pre-registered for the conference)			

MONDAY AFTER LUNCH	MONDAY APRIL 14, 2013			
1:40–2:00	PowerPoint preview and technology check for Sunday afternoon presentations - in the room in which your talk will be given			
2:00–3:52	Concurrent Sessions - Afternoon I			
	Room A	Room B	Room C	Room D
	Eastern Alpine Biodiversity	Species-Specific Management of Invasives	Freshwater and Wetland Ecology	Historical Ecology of the Northeast US
Moderator	Lisabeth Willey	Mike Bald	Mchael Bottini	Adrian Jordan
2:00–2:04	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
2:04–2:24	Michael Jones Ecological Investigations of the Monts Groulx (Uapishka Plateau), Québec: Developing a Rapid Assessment Protocol for Remote Alpine Ranges	Nathan Siegert Emerald Ash Borer: Biology, Spread, and Detection Efforts in the Northeast	Michael Bottini The Status and Distribution of the River Otter on Long Island, New York	Emily Klein More than Catch Statistics: The Importance of Historical Observations for Understanding Marine Ecosystem Change
2:25–2:45	Lori Johnson Predicting Core Reproductive Habitat for Wolverine in Québec, Canada	Claire Baker The Effect of Temperature and pH on the Growth of Variable-leaf Milfoil (<i>Myriophyllum heterophyllum</i>)	Tamathy Stage Muskrat Preferences between Common Reed and Native Cattail for Lodge Construction and Location in a New York State Marsh	Emily Southgate Historical Factors Affecting Secondary Succession at Mohonk Preserve
2:44–3:06	Bob Capers Recovery of an Alpine Plant Community Four Years after a Major Disturbance	Mike Bald Field Notes on "The Danger Plants": Management of Wild Parsnip and Giant Hogweed in Vermont	Sarah Drahovzal Environmental Conditions of Wetlands Hosting the Endangered Butterfly <i>Lycaena dorcas claytoni</i>	Neil Pederson An Epic Pluvial in the Northeastern US and Potential Ecological Implications
3:08–3:28	Peter Palmiotto Monadnock's Changing Summit	Zoe Getman-Pickering Evolution of Increased Biomass Does Not Result in Increased Competitive Ability during Invasion of <i>Medicago polymorpha</i> (Burclover)	Erin Hayes-Pontius Lake Champlain Zooplankton Community Dynamics Following a Flood	Sydne Record Should Species Distribution Models Account for Spatial Autocorrelation? A Test Across 8000 Years of Climate Change
3:30–4:00	Afternoon Poster Session and Reception with light snacks and beverages			

4:00–5:50	Concurrent Sessions - Afternoon II			
	Room A	Room B	Room C	Room D
	Bee Ecology	Plant Ecology	Animals, Climate, and Calcium	Impact of Climate Change on Migratory Songbirds
Moderator	Joan Milam	Glen Mittelhauser	Jerry Jenkins	Nick Rodenhouse
4:00–4:04	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
4:04–4:24	Paul Goldstein Hymenopteran Diversity and Behavioral Composition on an Island Sandplain: Bees of Martha's Vineyard, Dukes County, MA (Hymenoptera: Apoidea: Anthophila)	Luka Negoita An Island Biogeography of Plant Traits	Kristine Rines New Hampshire Moose	Bill Deluca The Response of Species to Projected Climate and Landscape Changes Inform the Design of Sustainable Landscapes
4:26–4:46	Jessica Rykken Bee Diversity, Distribution, and Monitoring in Boston Harbor Islands National Park Area	Matt Arsenault <i>Sedges of Maine: A Field Guide to the Cyperaceae</i> Project Overview	Michale Glennon Drivers of Long-term Dynamics of Lowland Boreal Birds in the Adirondack Park, NY	Dorie Stolley Use of an Assessment of Climate Change Impacts on Shorebird Habitat to Manage Wetlands and Identify No Regrets Actions
4:48–5:08	Sean Kent Bee Richness and Abundance of Penikese Island and Cuttyhunk Island of the Elizabeth Islands, MA	Eric Doucette Reinterpreting <i>Amelanchier arborea</i> (Rosaceae)	Cheryl Bondi Land Snail Assemblages in Relation to Calcium Availability in Northern Hardwood Forests	Nina Lany Spring Leaf Phenology, Insect Abundance, and the Timing of Breeding by the Black-throated Blue Warbler
5:10–5:30	Dash Donnelly Effects of a Floral Resource Pulse on Pollen Use by <i>Bombus impatiens</i>	Glen Mittelhauser <i>The Flora of Baxter State Park</i> Project	Michael Fishman Bats of Long Island, New York	Nick Rodenhouse Assessing the Sensitivity of Migratory Songbirds to Climate Change
5:30–5:50	Johanna Brophy Bee Communities in Gravel Pits in Western Massachusetts			
5:45–6:45	Open Networking Session with cash bar and finger foods			
5:30–6:30	Take down for Day 2 scientific posters			
6:45–8:45	Plated dinner and socializing - ticketed event			
	Thank you for participating in NENHC 2013. We hope you enjoyed the conference and wish you a safe journey home.			
	SEE YOU AT THE NEXT NORTHEAST NATURAL HISTORY CONFERENCE!			