



Welcome to NENHC 2011:

The 2011 Northeast Natural History Conference
and the Founding Meeting of the
Association of Northeastern Biologists



WED	WEDNESDAY APRIL 6, 2011
9:00–5:00	NY Natural Heritage Program's 2011 Invasive Species Database Symposium
12:00–9:00	Conference Registration Open
12:00–9:00	Conference Registration Open
On-going exhibit in the NYS Museum during the conference	<p>Focus on Nature: Best of the Best</p> <p>Twenty years of natural history illustration: an exhibit in the NYS Museum</p> <p>Focus on Nature (FON) began as a small, three day exhibit of works by natural history illustrators with a connection to New York State. The purpose was to focus on the scientific values of the artwork for the benefit of the attendees of the 1990 Northeast Natural History Conference. From these humble beginnings, FON has grown to be an international, juried, biennial exhibit that attracts hundreds of submissions from dozens of countries. The notoriety of this exhibit highlights the increased interest in natural history illustration, the interconnectedness of illustrators all over the world, and the impressive talents of artists specializing in this genre. Artistic skill as well as the educational value of the FON artworks inspired the first Purchase Award. The pieces acquired through purchase and donation now number eighty-seven. Of these, the selected works are the curator's choice of those that best represent the long-standing goals of FON. This exhibit will be on display in the New York State Museum for the duration of the conference.</p>
On-going	Live Exhibition of Herps from the Northeast – in the Northeast Gallery
	New York State Museum Behind-the-Scene Tours: All tours start in the Museum lobby
1:00–2:00	DNA Lab
1:00–3:00	Ichthyology
1:00–2:00	Vascular Plants
2:00–3:00	Entomology
2:00–3:00	Mammalogy
3:00–4:00	Vertebrate Paleontology
3:00–4:00	Ornithology
3:00–5:00	Meeting of ANB Acting Executive Committee
3:00–5:00	Exhibitions set up
5:00–6:00	Meeting of ANB Acting Executive Committee with affiliates, sponsors, and exhibitors
6:00–7:00	<p>Room 5 - Welcoming Remarks and Plenary Session: Is a National Biological Survey Achievable Now?: A History of Past Attempts and Recent Advances in Technology and Collaboration</p> <p>John Kartesz, Director of Biota of North America Program (BONAP), and Robert W Lichvar, Research Botanist, US Army Corps of Engineers, Cold Regions Research and Engineering Laboratory; Director, National Wetland Plant List</p> <p>The 126-year-old National Biological Survey (NBS) legacy reflects a desire of many generations to understand the natural history of our Nation by knowing what species occur where, how to identify them, how they interact, which ones need protection, which ones need to be eliminated, etc. Begun in 1885 under the U.S. Department of Agriculture (USDA) with the goal of inventorying the biota of the U.S., the NBS was moved back and forth between the U.S. Fish and Wildlife Service (FWS) and the USDA. In 1993, it was moved to the U.S. Geological Survey, where it was most currently housed. Although with great bias toward zoology, the legacy of the NBS left vast collections of voucher specimens of birds, mammals, amphibians and reptiles, and other terrestrial vertebrates under curatorial care at institutions around the Nation. Today, although the NBS has been discontinued, we feel that because of the tremendous advances in botanical and zoological systematics, molecular genetics, and ecology, along with numerous profound advances in digital and other types of technology, we now have an opportunity to reopen a new chapter of the NBS and to understand more thoroughly our Nation's biota than ever before. Our goal is to discuss some of these tools as well as ideas on how to proceed.</p>
7:00–9:00	Welcome networking reception w/ beverages and buffet - ticketed event in Base of Egg (pre-registration required)
7:00–9:00	Exhibitions open

THUR	THURSDAY APRIL 7, 2011					
7:00–5:00	Conference Registration Open					
7:00–8:00	PowerPoint preview and technology check for morning sessions - in the room in which your presentation will be given					
7:30–8:15	Morning poster presentation set-up - in the Base of the Egg					
8:00	Exhibitions Open					
8:15–9:45	Concurrent Sessions - Early Morning					
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 7
	Ant Ecology I	The National Biological Survey I: What Types of Data Exist	Ecological Interactions of Freshwater Fish	Natural History of The New York Botanical Garden: Interpreting an Urban Old Growth Forest	Small Mammals	Botany
Moderator	Aaron Ellison	Robert Lichvar	David Halliwell	Jessica Schuler Rob Naczi	Roland Kays	Nishi Rajakaruna
	Introduction and Overview	Introduction and Overview	Robert Schmidt Aspects of the Biology of Oriental Weatherfish (<i>Misgurnus anguillicaudatus</i>) in the Hudson Valley, NY	Introduction to "The Natural History of The New York Botanical Garden" Project	Introduction and Overview	Introduction and Overview
	Israel Del Toro Ant Species Diversity Along a Latitude and Elevation Gradient in the Northeastern United States	Dave Boufford Mapping the Flora of New England	Christopher Nack Condition and Diet of Larval American Shad in Four Different Shallow Water Nursery Habitats in the Hudson River, NY	Wayne Cahilly Four-hundred Years of Forest Stewardship at The New York Botanical Garden, or Why Was This Not Made Firewood?	Jorie Favreau The Effects of Cover and Food on Snowshoe Hare Movement Behavior in the Adirondacks	Hazel Stark Plants and People of New England: Our Contemporary Reliance on Traditional Knowledge
	Aaron Ellison The Ants of Nantucket and the Ants of New England: Relationships Between Local and Regional Faunas	Jay Cordeiro NatureServe Database Achievements in Freshwater Species Conservation	Samantha Taylor Phylogeographic Analysis of the Blacknose Dace (<i>Rhinichthys</i>) in West Virginia	Matthew Pace Rediscovering the Flora of the New York Botanical Garden Forest, Using the Steere Herbarium	Celia Evans Snowshoe Hare Browse Behavior in the Adirondacks: The Role of Availability, Preference, and Forest Structure	Jack Tessier Mechanisms Controlling Corm Depth in <i>Erythrium americanum</i>
	Shannon Pelini Warm Ants: Ant Responses to Warming Across Northeastern US Forests	Panel Discussion on the exciting potential for and real challenges involved in developing a comprehensive NBS database, with John Kartesz Bob Lichvar Jay Cordiero David Boufford	Joseph Rachlin An Ordination and Parsimony Analysis of Fish from Five Sites in the Saw Mill River, Westchester County, NY	Jason Munshi-South Genetic Connectivity of White-footed Mouse Populations is Associated with Urban Canopy Cover in New York City	Howard Huynh Review of the Introduction and Establishment of the Eastern Gray Squirrel (<i>Sciurus carolinensis</i>) in Nova Scotia, Canada: Biological and Conservation Implications	Justin Gill Correlations among Anthocyanin and Chlorophyll in Senescing Leaves of Red Maple
	Joshua King Pursuing the Links Between Ants, Plants, and Ecosystem Function in Southern New England Forests		Florian Reyda Two-year Survey of the Fish Parasites of Otsego Lake, NY	Erik Zeidler Investigating the Ecology of Amphibians and Reptiles at The New York Botanical Garden	Chris Collins The Effect of Disease and Weather on Activity Patterns in White Footed Mice	James Furlaud Taxonomic Status of Stout Smartweed, <i>Persicaria robustior</i> (Polygonaceae)
9:45–10:30	Morning poster session and reception with beverages					

THUR	THURSDAY APRIL 7, 2011					
10:30-12:00	Concurrent Sessions - Late Morning					
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 7
	Ant Ecology II	The National Biological Survey II: Collaborative Institutional Involvement	Freshwater Ecology	Science and Stewardship in New York State Parks	Bryophyte Ecology and Evolution	Plant Ecology
Moderator	Aaron Ellison	John Kartesz	Tim Mihuc	George Robinson	Nancy Slack	Nishi Rajakaruna
	Introduction and Overview	Introduction and Overview	Justin Ecret Brook Trout (<i>Salvelinus fontinalis</i>) Habitat Assessment and Dispersal Patterns in True Brook, NY	Introduction and Overview	Introduction and Overview	Introduction and Overview
	Robert Clark Evidence for a Facultative Mutualism between <i>Aphaenogaster picea</i> and a Guild of New England Myrmecochores	Chris Wood Exploring Patterns of Bird Distribution and Occurrence at Multiple Spatio-temporal Scales Using eBird	Yves De Lafontaine Swarms of the Ponto-caspian Mysid <i>Hemimysis anomala</i> in Montreal Harbour, St. Lawrence River, Canada	Casey Holzworth Robert G. Wehle State Park: What do you do When You, are Awash in a Sea of Swallow-wort?	Sean Robinson Immigration and contemporary dispersal of the peat moss, <i>Sphagnum pylaesii</i> , in the Adirondack Mountains	Tyler Cross A Comparison of Removal Techniques in Eliminating <i>Berberis thunbergii</i> and Reducing Subsequent Germinations
	Sara Lewandowski Behavioral and Spatial Patterns of <i>Formica glacialis</i> Ants in the Context of Parasitism by Slavemakers	Demonstration and Q & A Period	Casey Binggeli The Effect of Invasive Macrophytes on Macroinvertebrate and Zooplankton Communities in Lake Champlain	Tom Hughes ESF F.O.R.C.E.S.: A Model for Engaging College Students in Natural Resource Stewardship Projects	Warren Perdrizet Edaphic and Phytosociological Factors Influencing Moss Species Distributions in a Mixed Hardwood Forest	Tony Eallonardo Linking Plant Traits to Stress and Resource Gradients in Inland Salt and Freshwater Marsh Communities
	Jennifer Apple Spatial and Temporal Dynamics of Interactions between Slavemaking Ants and their Hosts	Panel Discussion on the potential for collaboration in developing a comprehensive NBS database, with John Kartesz	Holly Waterford Human Influences on Species Composition: Long-Term Change in Otsego Lake, NY	Robert O'Brien The Effectiveness of Field Teams in Creating Invasive Species Prevention Zones	Michael Tessler <i>Hymenodon</i> (Orthodontiaceae): Exploring Evolution and Disjunction in a Tropical Moss Genus	Rick Van de Poll Long-term Ecological Monitoring at a Private Nature Preserve - Trends in Soil pH and Plant Dominance
	Discussion	Bob Lichvar Jay Cordiero David Boufford	Taylor Raufus The Road to Immortality: Exploring Resting Stages of Native and Non-Native Zooplankton in Seneca Lake, NY	Mark Rogers Deer Management in State Parks: The Letchworth Model	Discussion	
12:00-1:00	Lunch on own in Concourse or pre-ordered box lunches in Base of Egg					
12:00-1:00	Room 3 - Luncheon meeting of ANB Acting Executive Committee					
12:00-1:30	Room 5 - 2011 NY Flora Association Annual Meeting - "New Manual of Vascular Plants of Northeastern United States and Adjacent Canada" with Rob Naczi - All Welcome					
12:00-12:45	Take down of morning poster presentations					
12:15-1:15	PowerPoint preview and technology check for afternoon sessions - in rooms in which presentations will be given					

THUR	THURSDAY APRIL 7, 2011					
12:45-1:30	Afternoon poster presentation set-up - in Base of Egg					
1:00-1:30	Room 3 - Open panel discussion about ANB					
1:30-3:00	Concurrent Sessions - Early Afternoon					
	Early Afternoon	Room 2	Room 3	Room 4	Room 5	Room 7
	Quaternary Environments of the Northeast	Biology of Invasive Species	Ecological Status and Recovery of Acidified Adirondack Surface Waters I	Shawangunk Mountains Geology, Climate Change, and Evolution	Conservation and Ecology of Bats	Floristics
Moderator	Guy Robinson Mary Egan	Jennifer Dean	Charles Boylen	Michael Batcher	Carl Herzog	Troy Weldy
	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview
	Guy Robinson A Late Occurrence of <i>Cervalces scotti</i> Pollen Stratigraphy and AMS Dating	David Werrier The Status of the Highly Invasive Grass <i>Brachypodium sylvaticum</i> in Eastern North America	David Winkler Long-term Changes in Acidity and other Water Quality Parameters in Adirondack Lakes and Ponds	Howard Feldman The Geology of the Shawangunk Ridge on the Mohonk Preserve and Environs	Ryan Von Linden White-nose Syndrome: A Status Update from the Northeast and Beyond	Kerry Strout Northeast Regional Floristic Quality Assessment Index
	Eric Littmann Pollen Distribution Across a Major Metropolitan Area	Joseph Rachlin The Current Status of <i>Palaemon macrodactylus</i> : An Exotic Visitor to the NY City Estuarine System	Kevin Civerolo A Comparison of the TIME (Summer) and ALTM (Year-round) Programs During 1992-2008	Kirsten Menking Late-glacial to Holocene Climate Variability and Drought in the Mid-Hudson Valley Region of New York State	Kristen Watrous Current Understanding of Bat Activity and Mortality Patterns at Wind-Energy Facilities in the Northeastern United States	Kimberly Smith Rediscovery of Two Federally Listed Rare Plant Species in New York
	Andy Hamilton Unravelling the Enigma of an Atlantic Prairie: Evidence from Phytophagous Bugs (Auchenorrhyncha)	Robert Schmidt The Invasive Chinese Mitten Crab in Hudson River Tributaries	Daniel Josephson Impacts of Acidic Deposition on Water Chemistry and Fishes in the Honnedaga Lake Watershed	Shanan Smiley Species and Climate Change at Mohonk, Ulster County, NY	Michael Fishman Landscape Metrics of Indiana Bat (<i>Myotis sodalis</i>) Summer Habitat in Central NY	Jerry Jenkins Does Adirondack Old-growth Contain Forest Interior Plants
	Francis Robinson Between the Mountains and the Sea: An Exploration of the Champlain Sea and Paleoindian Land Use in the Champlain Basin	Meghan Brown Spatial, seasonal, and diel distribution patterns of the Mysid <i>Hemimysis anomala</i> in New York State's Finger Lakes	Gregory Lawrence Comparison of Methods for Estimating Critical Loads of Acidic Deposition in the Western Adirondack Region of New York	Luis Espinasa Gigantism in Organisms from the Ice Caves at Sam's Point Preserve	Karen Vanderwolf Characterizing the Winter Bat Population, Microclimate, and Mycobiota of Hibernating Bats in New Brunswick Caves	Elizabeth Farnsworth Go Botany! An On-line Flora of New England
3:00-3:45	Afternoon poster session and reception with beverages					

THUR	THURSDAY APRIL 7, 2011					
3:45–5:30	Concurrent Sessions - Late Afternoon					
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 7
	Quaternary Environments of the Northeast II	Invasive Species: Ecological Management and Restoration	Ecological Status and Recovery of Acidified Adirondack Surface Waters II	Shawangunk Mountains Forest and Habitat Dynamics	Migratory Landbird Ecology	Room closed this session
Moderator	Guy Robinson Mary Egan	Jennifer Dean	Charles Boylen	Michael Batcher	Susan Elbin Chad Seewagen	
	Introduction and Overview	Karen Lombard Managing Invasions over the Long Term. Lessons from Eight Years of <i>Phragmites australis</i> Control	Introduction and Overview	Introduction and Overview	Lindsay Herlihy Investigating the Presence and Prevalence of <i>Borrelia burgdorferi</i> in Peridomestic Bird Populations of Poultney, VT	
	Kathrin Sears Plant Macrofossil Evidence of Paleoclimate Events in No Bottom Pond, Nantucket	Caroline Girard Intensive Rotational Targeted Grazing of Sheep as a Control for the Spread of <i>Persicaria perfoliata</i>	Donald Charles Changes in Phytoplankton Assemblages in 30 Adirondack Mountain Lakes in Response to Decreasing Acidic Deposition	John Thompson Vegetation Dynamics of the Northern Shawangunk Mountains, NY Due to Changing Industry	Lindsay Nightingale Aggressive Aerial Interactions in the Ruby-throated Hummingbird at Artificial Feeding Stations	
	Dorothy Peteet Strengths and Weaknesses of Sutherland Pond vs. Fen Archive, Black Rock Forest, NY	Sandra Nierzwicki Discovery and Eradication/Management Strategy for Asian Clam Invasion of Lake George	William Shaw Evidence for Zooplankton Recovery in Chemically Recovering Acidified, Adirondack Mountain Lakes	Les Lynn Thirty Years of Forest Change in the Mohonk Preserve, New Paltz, NY: The Fate of American Chestnut (<i>Castanea dentata</i>) (Marsh) Borkh.	Susan Smith Long-term Shifts in the Timing of Autumn Migration by Songbirds in Southern New England	
	Terryanne Maenza Virtual Paleocology: From Sediment Sampling to Pollen Analysis in Two Hours	Jennifer Dean Innovations and Challenges with Compiling a Spatial Data Set of Invasive Species	Robert Daniels Species Introductions and the Effect on Native Fish Distribution in Adirondack Lakes	Michael Batcher Vegetation Response to the 2008 Overlooks Wildfire in the Shawangunks	Pamela Hunt Using Auditory Detections to Assess Habitat Use in the Eastern Whip-poor-will (<i>Caprimulgus vociferus</i>)	
	Discussion	Jay Westerveld Keeping the Baby with the Bathwater: A Populational Approach to Invasive Species Management	Jeremy Farrell Brooktrout Lake Fisheries and Macroinvertebrates from the Hydroacoustic Perspective	Elizabeth Spencer Habitat analysis for New York State Bird Species of Greatest Conservation Need in the Northern Shawangunk Mountains	Susan Elbin Observations at the Roof: Effects of Powerful Lights on Birds Migrating over New York City on September 11	
4:45–5:15	Take down of afternoon poster presentations				Chad Seewagen Cutting the Fat: Migratory Songbirds also Gain Substantial Lean Body Mass during Stopover Refueling in New York City Parks	
5:30–7:30	Networking reception with beverages and buffet - ticketed event in Base of Egg (pre-registration required)					
7:30–9:30	Social evening with Field Naturalists' Free-for-All Open Musical Jam Session and cash bar. Open for all musical types and levels. Bring a favorite musical instrument and play, sing, or just enjoy. All Welcome — In Base of Egg.					

FRI							FRIDAY APRIL 8, 2011						
7:00–5:00							Conference Registration Open						
7:00–8:00							PowerPoint preview and technology check for morning sessions - in rooms presentations will be given in						
7:30–8:15							Morning poster presentation set-up - in Base of Egg						
8:00							Exhibitions Open						
8:15–9:45							Concurrent Sessions - Early Morning						
							Room 1	Room 2	Room 3	Room 4	Room 5	Room 7	
							Malacology	Colonial Waterbirds of the Northeast: Gulls, Cormorants, and Egrets	Northern Cricket Frog Decline: Research and Recovery Strategies	Forest Health and Deer Management: Local Perspective	Reconnecting with Nature: Grassroots, Students, and Citizen Science	Conservation of an Urban Oasis: Albany's Pitch Pine Scrub Oak Barrens I	
Moderator							David Strayer	Chip Weseloh	Michael Mallon	Troy Weldy	Paul B. Hai	Christopher Hawver	
							Thomas Coote The Phylogeography of <i>Marstonia lustrica</i> : Glaciation and the Evolution and Distribution of a Rare Snail	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview	Introduction and Overview	
							John Burch Freshwater Limpets in Northeastern United States	Elizabeth Craig Waterbird Foraging Behavior in an Urban Estuary: A Stable Isotope Approach	Jay Westerveld Northern Cricket Frog Overwintering Habits: Results of 2007–2010 Survey at Glenmere Metapopulation Habitat Indicate Requirements for Protection and Recovery of NY Populations	Jeffrey Ward Interaction of Invasive Plants and Herbivory on Tree Seedlings and Herbaceous Plants	Paul B. Hai Reconnecting Children and Nature: A National and State Grassroots Movement	Jason Bried The Pine Bush as Laboratory for Innovative Pine-Oak Barrens Management	
							Travis Cobb Snail Shell Size and Morphology Affect Crayfish Ingestion Methods	Susan Elbin Reservoir Birds: Sink, Source, or Satellite? Dynamics of Two Small Colonies in Putnam County, NY	Jonathan Micancin Decline of <i>Acris gryllus</i> in Sympatry with <i>Acris crepitans</i> in North Carolina and Virginia	Mark Weckel Use of Cameras to Monitor Deer Populations	Cornelia Harris More than an Ecological Footprint: Students Collect Data to Understand their School Ecosystem	Amanda Dillon Bee Diversity in Scrub Oak Patches Two Years after Mow and Herbicide Treatment	
							Ethan Nedeau Status and Conservation of the Brook Floater (<i>Alasmidonta varicosa</i>) in New England	Dan Clark Fidelity and Site Persistence of Ring-billed Gulls to Non-breeding Areas in Massachusetts	Gregg Kenney Seasonal Upland Habitat Use of Northern Cricket Frogs in NY State	Keri Vancamp Vassar College: Responding to Local Deer Impacts: Case Study of the Vassar Farm and Ecological Preserve	Chris Bowser The Hudson River Eel Project: Fish Conservation through Citizen Science	Dylan Parry Why Call Pine Barrens Home? The Enigmatic Ecology of the Barrens Buckmoth (<i>Hemileuca maia</i>)	
							David Strayer Causes of Recruitment Failure in Pearly Mussel (Unionidae) Populations	Chip Weseloh Roosting Habits and Post-fledging Dispersal of Juvenile Great Egrets from the Lower Great Lakes	Jay Westerveld The Role of the Delphacid <i>Megamelus davisii</i> and the Collembolan <i>Podura aquatica</i> in <i>Acris</i> Migration and Population Sustainance	Dan Aitchison Westchester County Parks: Implementing a Regional Deer Management Program	Jordan Youngmann Finger Lakes Regional Stream Monitoring Program: Engaging Students In Field-Based Learning	Alvin Breisch The Effectiveness of Artificial Cover Objects as a Herpetofaunal Survey Technique in the Albany Pine Bush	
9:45–10:30							Morning poster session and reception with beverages						

FRI	FRIDAY APRIL 8, 2011					
10:30-11:00	Concurrent Sessions - Late Morning					
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 7
	Freshwater Invertebrates	Colonial Waterbirds of the Northeast: Terns	Amphibian Ecology and Conservation	Forest Health and Deer Management: Regional Perspective	Climate Change and Biodiversity	Conservation of an Urban Oasis: Albany's Pitch Pine Scrub Oak Barrens II
Moderator	Tim Mihuc	Lee Harper	Mary Beth Kolozsvary	Troy Weldy	Matt Schlesinger	Christopher Hawver
	Introduction and Overview	Introduction and Overview	Mike Rubbo The Influence of Larval Amphibians on Mosquitoes in Temporary Forest Ponds: Can Protecting Wetland Biodiversity Help to Minimize Human Disease Risk?	Introduction and Overview	Artem Treyger Changes in Tree Sapling Composition within Powerline Corridors Appear to be Consistent with Climatic Changes in NY	Introduction and Overview
	Tim Mihuc An Introduction to the Study of Aquatic Insects (Ephemeroptera, Plecoptera, Trichoptera) in NY State: Past and Present	Stephen Kress Restoration of Regional Tern Populations: A Model from the Gulf of Maine	Joshua Schwartz Tests for Call Restoration in the Gray Treefrog, <i>Hyla versicolor</i>	Edward Faison Top-down Effects by Deer and Moose on Forest Regeneration in Southern New England	Jerry Jenkins The Climate-driven Decline of <i>Anemone multifida</i> , a Subarctic Plant at Its Southern Range Limit	Neil Gifford Stable Isotope Analysis of Fall Migration Stopover by Passerines on an Inland Pitch Pine Scrub Oak Barrens
	Luke Myers A Regional Review of Ephemeroptera, Plecoptera, and Trichoptera Biodiversity in the Adirondack Park and NY State	Dave Moore Long-term Conservation Management of Common Terns in Ontario: Three Case Studies	Kimberly Vitale Movement Phenology of the Four-toed Salamander (<i>Hemidactylium scutatum</i>) in Massachusetts	Gary Goff Foresters' Perceptions of Forest Regeneration and Barriers to Regeneration in NY State	Matt Schlesinger Vulnerability of At-risk Species to Climate Change in New York	Nancy Miorelli Living on the Edge: How Prairie Warbler Fecundity is Affected by Edge Effects
	Robert Hamilton Macroinvertebrates of Intermittent Surficial Waters of Northern Stark County, Ohio	Lee Harper Restoring the Threatened Common Tern by Improving Nesting Habitat in Buffalo Harbor and on Lake St. Lawrence, NY	Alexander Byrne Abundance and Body Condition of <i>Plethodon cinereus</i> in the Adirondack Park: A Multivariate Analysis of Habitat Use	Rebecca Shirer Mapping the status of forest regeneration in New York State	Hector Galbraith Adapting to Climate Change in the Northeast	Scott Lapoint Ecological and Behavioral Adaptations in Urban Fisher (<i>Martes pennanti</i>)
	Cornelia Harris The Ecology of Wrack: Decomposition and Use by Invertebrates on Natural and Engineered Shorelines of the Hudson River	Mark Labarr Management of Common Terns on Lake Champlain, VT	Meredith Atwood Laying the Foundation for Freshwater Pool Construction: The Effects of Bottom-up Factors on Amphibian Development	Jay Boulanger How Cornell is Addressing Deer Damage to Forest Regeneration and Other Associated Impacts	Christopher Hilke The Role of Vulnerability Assessments and Climate-Smart Demonstration Sites to State and Regional Climate Adaptation Planning	Kathleen Logiudice Albany Pine Bush Habitat Restoration Reduces the Risk of Lyme Disease: A Cost-Benefit Analysis with a Novel Benefit
12:00-1:00	Lunch on own in Concourse or pre-ordered box lunches in Base of Egg					
12:00-1:00	Room 5 - Luncheon meeting of ANB Acting Executive Committee					
12:00-1:30	Room 3 - "Big Night" Amphibian Brainstorming discussion					

FRI						
FRIDAY APRIL 8, 2011						
12:00-12:45	Take down of morning poster presentations					
12:15-1:15	PowerPoint preview and technology check for afternoon sessions - - in rooms presentations will be given in					
12:45-1:30	Afternoon poster presentation set-up - in Base of Egg					
1:00-1:30	Room 5 - Open discussion about ANB and ASB collaboration					
1:30-3:00	Concurrent Sessions - Early Afternoon					
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 7
	Biology and Ecology of Dragonflies and Damselflies (Odonates)	Urban Ecology	Reptile Ecology and Conservation I	The Future of Deer Management in New York: Roundtable Discussion	Monitoring and Mitigating Human Impacts	Biodiversity Conservation
Moderator	Erin White Paul Novak	James Danoff-Burg	Alvin Breisch	Jeremy Hurst	John Davis	Gary Kleppel Caroline Girard
	Introduction and Overview	Introduction and Overview	Alvin Breisch Year of the Turtle: Development of a New Conservation Paradigm	Introduction and Overview	Introduction and Overview	George Robinson Biodiversity Distributions in NY State Parks
	Erin White The New York Dragonfly and Damselfly Survey 2005-2009: Distribution and Status of the Odonates of NY	James Danoff-Burg How Native are the Ants of Broadway? Urban Ecology of our Terrestrial Neighbors	Julia Riley Too Hot, Too Cold, or Just Right: Evaluation of a Common Turtle Conservation Technique, Nest-Caging	Jeremy Hurst New York State Deer Management: Addressing Ecological Impacts of Deer	John Davis A Model of Snowmobile Traffic on a National Wildlife Refuge in Northeastern Vermont	Sarah Haggerty BioMap2: Conserving the Biodiversity of Massachusetts in a Changing World
	Jeff Corser Origins, Biogeography, and the Effects of Climate Change on a Hotspot of Temperate Odonate Diversity in the Northeastern US	Russell Burke Zombie Turtles in our Cities	James Paterson Not Just Any Old Pile of Dirt: Evaluating the Use of Artificial Nesting Mounds for Turtles	Roundtable Discussion	Carrie Osborne Beyond the Loon: Mercury Concentrations in Songbirds of the Northeastern US	Richard Gardner A New Paradigm for Locating Native Biocontrols for Non-native Invasive Plants
	Barbara Hager Bias of Reduced-effort Diversity Surveys for Adult Odonata of Lentic Waters	Donna Vogler Native Plants as Part of a Wildlife Hazard Management Plan for Airports	Bryan Windmiller Nest Protection and Headstarting as Tools to Aid in the Recovery of a Declining Blanding's Turtle Population		Karen Murray Mercury Spatial Patterns in Food Webs of Fishing Brook (Upper Hudson River Basin, NY)	Gary Kleppel Invasive Plant Control with Livestock: From Targeted Eradication to Ecosystem Restoration
	Pamela Hunt Use of Exuviae to Determine Dragonfly Species Distributions along New Hampshire's Major Rivers	Roland Kays Camera Trap Surveys Comparing the Diversity and Abundance of Wildlife in Suburban and Wild Forests	Glenn Johnson Alternatives to Barriers and Ecopassages in Reducing Turtle Road Mortality		Jerome Carr A Draft Wetland Stewardship Act for Massachusetts	Christopher Martine European Frogbit (<i>Hydrocharis morsus-ranae</i>) in the Adirondack / Lake Champlain Region: Reproductive Biology, Ecology, and Eradication
3:00-3:45	Afternoon poster session and reception with beverages - in Base of Egg					

FRI	FRIDAY APRIL 8, 2011					
3:45-5:15	Concurrent Sessions - Late Afternoon					
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 7
	Rare Insects and Their Conservation	Boreal Forest Birds	Reptile Ecology and Conservation II	Forest Ecology	Biological Impacts of Hydraulic Fracturing in the Marcellus Shale	Tools and Research to Facilitate Conservation and Management
Moderator	Hugh McGuinness	Jeremy Kirchman	Glenn Johnson	Jessica Arcate Schuler	Erik Kiviat and Karen Schneller-McDonald	Jennifer Karberg
	Introduction and Overview	Introduction and Overview	Kevin Shoemaker Monitoring and Restoring Bog Turtle Metapopulations in NY	Jonathan Cale Beech Thickets Impact Northern Hardwood Forest Biodiversity	Introduction: Framework for Assessing Biodiversity Impacts of Hydraulic Fracturing in the Marcellus Shale	Donald McAlpine Establishing a Museum-based Biodiversity Inventory Program in the Protected Natural Areas of New Brunswick
	Robyn Niver Karner Blue Butterfly Recovery at the Eastern Edge of its Range	Jeremy Kirchman Historic Decline of Genetic Diversity in the Adirondack Population of Spruce Grouse (<i>Falcipennis canadensis</i>)	Kelly Fitzsimmons Leech Parasitism on the Painted Turtle and the Common Snapping Turtle in Upstate NY	Claudia Knab-Vispo Floodplain Forests of Columbia and Dutchess County, NY: Distribution, Biodiversity, and Classification	Jacqueline Frair The Impact of Oil and Gas Development on Large Mammals: Lessons From the West	Brent Kinal Introducing the New York State Conservation Lands Database
	Steve Rice Does Nitrogen Content of Blue Lupine Leaves Affect the Reproductive Success of the Dependent Karner Blue Butterfly?	Joel Ralston Forecasting the Effects of Climate Change on Genetic Diversity in a Boreal Forest Bird	Anne Stengle Movements and Body Temperature of the Eastern Black Ratsnake Utilizing Forest and Roadside Habitat	Joan Milam The Effect of Fuels Reduction and Habitat Restoration of Pitch Pine-Scrub Oak Barrens on Native Bees	Richard Horwitz Studies of Impacts of Marcellus Shale Drilling in Pennsylvania	John Davis A Hexagonal Grid Layer for Natural Resource GIS in NY State
	Andrew McKenna and Lou Perroti Nantucket Island American Burying Beetles: Will a Reintroduced Population Survive Without Our Help?	Joseph Rachlin Status and Distribution of Lowland Boreal Birds in the Adirondack Park	Kathy Michell Movements of Timber Rattlesnakes in Metapopulations Divided by Major Roadways	Michael Gaige Use of Abandoned Pasture-trees (Wolf-trees) by Birds and Mammals in Second-growth Forests of Vermont	Nels Johnson Potential Habitat Impacts of Current and Future Marcellus Shale Natural Gas Drilling in Pennsylvania	Chad Jones Evaluating the Success of Seed Sowing in a New England Grassland Restoration
	Matt Schlesinger Status and Conservation of an Imperiled Tiger Beetle Fauna in New York State	Stacy McNulty Habitat Associations of Adirondack Lowland Boreal Birds	Kathy Michell Evidence of Potential Emerging Snake Disease	Michael Woitech Bark: A Field Guide to Trees of the Northeast	Panel Discussion with Erik Kiviat, Karen Schneller-McDonald, Jacqueline Frair, Richard Horwitz, Nels Johnson	Jennifer Karberg Design and Analysis of a Salt Marsh Restoration in the Medouie Creek Wetland Complex, Nantucket, MA
5:15-6:00	Take down of afternoon poster presentations					
5:15-7:00	Networking reception with cash bar - All Welcome - in Base of Egg					
7:00-9:30	Gala Banquet and official founding of ANB - ticketed event (pre-registration required) - in Base of Egg					

SAT	SATURDAY APRIL 9, 2011
7:00-9:00	ANB Executive Committee sit-down breakfast meeting
9:00-12:00	<p>Workshop — Targeted Grazing: A Low Impact Approach to Invasive Plant Management and Ecosystem Restoration</p> <p>Led by: Gary Kleppel, Caroline Girard, Jeffrey Mapes, of the University at Albany, SUNY, and Karin Verschoor of the Department of Environmental Conservation</p> <p>Where: Normans Kill Farm 1000 Delaware Avenue, Albany (about 2.5 mi from the NY State Museum)</p> <p>Targeted grazing (TG), the controlled use of livestock to accomplish specific vegetation management goals, has been used to reduce the spread of invasive plants, mitigate wildfire risks, maintain highway medians and even restore grasslands from desert. The approach is cost effective, non-toxic, and highly controllable. This workshop will provide general information about TG and will roll out a new, Intensive Rotational TG protocol that is being developed for the NY State Department of Environmental Conservation. Workshop participants will learn about selecting livestock for various management activities, as well as fencing, infrastructure and stock management protocols. The workshop will involve both classroom lectures and field demonstrations. The organizers are hoping to arrange for transportation to and from the workshop.</p>
9:00-12:00	<p>Bryophytes and Lichens Field Trip</p> <p>Led by: Nancy Slack, Professor of Biology, Sage Colleges, NY</p> <p>Where: Dyken Pond Preserve</p> <p>Meet in front of the N.Y.State Museum on Madison Ave</p> <p>Explore the beauty and diversity of Dyken Pond Preserve, a natural area with conifer and deciduous forest and a bog, to study the local bryophyte and lichen flora. To sign up or for more information about the field trip, contact Nancy at nslack@nycap.rr.com.</p>
9:30-3:00 PM	<p>Albany Pine Bush Preserve Field Trip</p> <p>Transportation will be provided and will leave the New York State Museum at 9:30 AM.</p> <p>Located in the heart of the New York State Capital Region, the Albany Pine Bush Preserve supports one of the best remaining examples of an inland pitch pine scrub oak barrens and more than 45 wildlife Species of Greatest Conservation Need. Managed by the Albany Pine Bush Preserve Commission since 1988, the Preserve is a model of contemporary urban conservation. A tour of the Preserve will highlight how the Commission and its public and private partners use prescribed fire and other techniques to restore viable barrens and recover endangered species. The field trip will include a visit to the Discovery Center, a LEEDS Gold certified state-of-the-art environmental education facility that serves as the gateway to the Preserve and a living classroom for thousands of visitors. If you've never been to the Pine Bush or have not visited in a while, this field trip is sure to be a memorable part of your conference experience.</p> <p>Thank you for participating in NENHC 2011. We hope you enjoyed the conference and wish you a safe journey home.</p> <p>SEE YOU AT THE NEXT NORTHEAST NATURAL HISTORY CONFERENCE!</p>