

NORTHEAST NATURAL HISTORY CONFERENCE X
Schedule of Oral Presentations
(^{*}Indicates Presenter)

Quaternary Environments of the Northeast
Thursday, April 17, 2008, Meeting Room 1
Organized Symposium

Overview: From the Late Pleistocene to the modern era, profound climatic and cultural forces have transformed the landscapes of the Northeast. The research presented here includes recent findings on large mammal extinction, changes in vegetation cover and human land-use patterns.

Organizers: Guy Robinson (Fordham College at Lincoln Center, New York, NY) and Mary G. Egan (Montclair State University, Montclair, NJ)

Moderator: Guy Robinson (Fordham College at Lincoln Center, New York, NY)

- 8:40 AM** **Cogbill***, Charles
The Presettlement Forests of New York and Northern Pennsylvania: The Empirical Data
- 9:00 AM** **Sritrairat***, Sanpisa, Dorothy **Peteet**, Dorothy **Kurdyla**, and Tom **Guilderson**
Past Vegetation, Climate, and Sediment Dynamics in Mid-Hudson River Wetlands, NY
- 9:20 AM** **Motzkin***, Glenn and Jerry **Jenkins**
Vegetation Change in an Ordinary Forest in an Ordinary Century
- 9:40 AM** **Maenza-Gmelch***, Terryanne and Dorothy **Peteet** (LATE CANCELLATION)
Comparing Pollen Records from a Pond and Fen, Black Rock Forest, NY
- 10:00 AM** **Refreshment Break**

- 2:00 PM** *Stechert**, Randy
Current Range, Status, and Management of Timber Rattlesnake Populations in New York
- 2:20 PM** *Brown**, William S. and Rulon W. Clark
Timber Rattlesnake Landscape Genetics in the Southeastern Adirondacks
- 2:40 PM** *Michell**, Kathy, Kris Schantz, and Tom Michell
The Evolution of Timber Rattlesnake Research and Resulting Advances in Conservation Efforts
- 3:00 PM** **Poster Session**

Recent Research on Eastern Coyotes

Thursday, April 17, 2008, Meeting Room 2

Organized Symposium

Overview: This is an exciting time in eastern coyote research, as they become more prominent in the public eye, and more studies are launched every year. Now is a prime time to bring researchers together to discuss new results and future research plans.

Moderator: Roland Kays (New York State Museum, Albany, NY)

- 8:40 AM** *Rutledge**, Linda, Robert Pearce, and Bradley White
Ancient Evidence for New World Wolf
- 9:00 AM** *Wilson**, Paul, Bradley White, and Walter Jakabus
Genetic Characterization of the Eastern Coyote
- 9:20 AM** *Kays**, Roland, Jeremy Kirchman, Bridgett vonHoldt, John Pollinger, and Robert Wayne
A Genetic Evaluation of Hybridization in Eastern Coyotes
- 9:40 AM** *Curtis**, Abigail, Roland Kays, and Robert Feranec
The Morphological Variation in Eastern Coyote Skulls
- 10:00 AM** **Refreshment Break**
- 10:20 AM** *Feranec**, Robert and Roland Kays
Isotopic Comparisons of the Ecology of Eastern Coyotes and Prehistoric Eastern Wolves
- 10:40 AM** *Patterson**, Brent, Jeff Bowman, Kevin Middel, and Bruce Pond
Can the Eastern Coyote Effectively Fill the Niche of the Eastern Wolf?
- 11:00 AM** *Boser**, Christina, Jacqueline Frair, and Robin Holevinski
Foraging Ecology of Eastern Coyotes in New York State
- 11:20 AM** *Grigione**, Melissa and Ronald Sarno
Coyote Diet, Parasites, and Genetic Structure in Protected and Urban Areas, FL
- 11:40 AM** *Holevinski**, Robin, Christina Boser, Jacqueline Frair, James Gibbs, and Gordon Batcheller
Determining the Population Status of Eastern Coyotes in New York State
- Noon** **Lunch Break**
- 1:20 PM** *Bogan**, Daniel, Paul Curtis, and Gordon Batcheller
Suburban Coyote Ecology and Behavior: Implications for Management and Human Interactions
- 1:40 PM** *Mitchell**, Numi, Ralph Pratt, and Lynn Malone
The Narragansett Bay Coyote Study
- 2:00 PM** *Draheim**, Megan M., Larry L. Rockwood, E.C.M. Parsons, and Gregory Guagnano
A Survey of Attitudes towards Coyotes in a Recently Colonized Area

- 2:20 PM** *Batcheller**, Gordon
Managing the Eastern Coyote in New York: "Oh, Really?"
- 2:40 PM** **Discussion on management and research priorities**
- 3:00 PM** **Poster Session**

Vernal Pools

Thursday, April 17, 2008, Meeting Room 3
Organized Symposium

Overview: *Vernal pools are seasonally-flooded wetlands common in the forested landscapes of northeastern North America. These systems support specialized biota and are thought to have an influential role in recycling and movement of nutrients through forested landscapes in which they occur. This symposium highlights a broad array of research and conservation topics on vernal pools in the Northeast.*

Organizers: *Mary Beth Kolozsvary (New York State Biodiversity Research Institute, New York State Museum, Albany, NY) and Michael Rubbo (Teatown Lake Reservation, Ossining, NY)*

Moderator: *Michael Rubbo (Teatown Lake Reservation, Ossining, NY)*

- 8:40 AM** *Julian**, James, John Young, John Jones, Craig Snyder, and C. Wanye Wright
The Use of an Airborne LiDAR Sensor to Locate Amphibian Breeding Ponds
- 9:00 AM** *Bried**, Jason and Gregory Edinger
Baseline Floristic Assessment and Classification of Pine Barrens Vernal Ponds
- 9:20 AM** *Breisch**, Alvin and John Ozard
Observations from the New York Herp Atlas on Vernal Pool Amphibians
- 9:40 AM** *Smyers**, Scott
A Review of Caddisfly Communities: Why They Are Model Organisms for Ecological Monitoring
- 10:00 AM** **Refreshment Break**
- Moderator:** *Alvin Breisch (New York State Department of Environmental Conservation, Albany, NY)*
- 10:20 AM** *Rubbo**, Michael
The Influence of Leaf-Litter Inputs on the Food Webs of Vernal Pools
- 10:40 AM** *Hart**, Edmund
The Impact of Variable Precipitation on Vernal Pond Community Structure
- 11:00 AM** *Dirrigl, Jr.**, Frank
Developing a Vernal Pool Ranking Scheme for Conservation Prioritization and Wetland Protection
- 11:20 AM** *Calhoun**, Aram
Community Based Conservation of Vernal Pools in Maine
- 11:40 AM** *Baldwin**, Mark and Solon Morse
The Roger Tory Peterson Institute's Vernal Pool Project
- Noon** **Lunch Break**

Vernal Pools (con't)

Thursday, April 17, 2008, Meeting Room 3

Organized Symposium

Moderator: Mary Beth Kolozsvary (New York State Biodiversity Research Institute, New York State Museum, Albany, NY)

- 1:20 PM** *Karraker, Nancy, Stacy McNulty*, and James Gibbs*
Beaver Ponds and Vernal Pools: Contributions to Amphibian Production in the Adirondacks
- 1:40 PM** *Ambler*, Jason, Timothy Maret, and Marcie Lehman*
Fine-Scale Genetic Structure and Dispersal among Three Vernal Pond Breeding Amphibians
- 2:00 PM** *Windmiller*, Bryan and Rebecca Homan*
Demography and Conservation of Hybrid Blue-Spotted Salamander Populations in Massachusetts
- 2:20 PM** *Plunkett*, Ethan, Kevin McGarigal, and Lloyd Gamble*
Predicting Threats to a Northern Population of the Marbled Salamander, *Ambystoma opacum*
- 2:40 PM** *Maret*, Timothy*
Ecology and Management of Spotted Turtles, *Clemmys guttata*, in Vernal Pools
- 3:00 PM** **Poster Session**

Fish Ecology

Thursday, April 17, 2008, Meeting Room 4

Contributed Oral Session

Moderator: Robert G. Werner (Professor Emeritus, SUNY College of Environmental Science and Forestry, Syracuse, NY)

- 9:00 AM** *Poole*, Kevin, Christopher Mandrino, Jacob Ambrose, Scott Cornwell, and John Foster*
Rainbow Trout (*Oncorhynchus mykiss*) Habitat Utilization and Movements in First Order Streams
- 9:20 AM** *Stich*, Daniel, Bryan Decker, Joseph Lydon, Michael Disarno, John Byrne, Isaac Golding, Erica Reinicke, and John Foster*
Walleye (*Sander vitreum*) Habitat Utilization and Movements in Otsego Lake, NY
- 9:40 AM** *Draud*, Matthew*
Migratory Patterns of Alewife in Big Fresh Pond in Eastern Long Island
- 10:00 AM** **Refreshment Break**
- 10:20 AM** *Schmidt*, Robert, Catherine O'Reilly, and Daniel Miller*
American Eel Population Structure Is Altered by an Upland Passage Facility
- 10:40 AM** *Morse*, Richard and Robert Daniels*
Rediscovered in the Adirondacks: The Summer Sucker (*Catostomus utawana*)
- 11:00 AM** *Keller*, David (LATE CANCELLATION)*
History and Habitat Use of Catfishes in the Delaware River Estuary
- 11:20 AM** *Rachlin*, Joseph W., Barbara E. Warkentine, and Antonios Pappantoniou*
Comparison of Multivariate and Parsimony Analyses in Evaluating Bronx River Fish Distributions
- 11:40 AM** *Fahrner*, Alicia and Timothy Strakosh*
Longitudinal Variation of Fish Assemblages in Canadaway Creek: Focus on Invasive Species

Fish Ecology (con't)

Thursday, April 17, 2008, Meeting Room 4
Contributed Oral Session

Moderator: Richard Morse (New York State Museum, Albany, NY)

- 1:20 PM** *Rowe**, Matthew, Peter *Nichols*, Benjamin *Durie*, Mark *Cornwell*, and John *Foster*
GIS Analysis of Changes in Stream Fish Fauna of Schoharie County, NY
- 1:40 PM** *Daniels*, Robert, Richard *Morse*, and Bryan *Weatherwax**
Fishes of the Conewango Creek Basin in Southwestern New York
- 2:00 PM** *Cotroneo**, Chris and David *Yozzo*
Fish Species-Habitat Association Study in the Great Swamp of New York
- 2:20 PM** *Horwitz**, Richard, Paul *Overbeck*, David *Keller*, and Shane *Moser*
Bridle Shiner and Other Fishes of the Upper Delaware River Drainage
- 2:40 PM** **Discussion**
- 3:00 PM** **Poster Session**

Insects

Thursday, April 17, 2008, Meeting Room 5
Contributed Oral Session

Moderator: James Danoff-Burg (Center for Environmental Research and Conservation, Columbia University, New York, NY)

- 8:40 AM** *Dirig**, Robert
Spring Elfins (*Callophrys*) and Duskywings (*Erynnis*) of Northeastern Pine Barrens
- 9:00 AM** *King**, Kristy and James *Danoff-Burg*
Parasitoid Diversity in New York City Community Gardens
- 9:20 AM** *Hunt**, Pamela
Dragonflies of the Connecticut and Merrimack Rivers in New Hampshire
- 9:40 AM** *Worthington**, Andrea and Robert *Olberg*
The Role of Prediction in Prey Interception in Dragonflies
- 10:00 AM** **Refreshment Break**

Biodiversity Conservation

Thursday, April 17, 2008, Meeting Room 7
Contributed Oral Session

Moderator: Gary Kleppel (University at Albany, Albany, NY)

- 10:20 AM** *Stein**, Amanda and John *Davis*
A GIS Model for Determining Connectivity and Biodiversity Conservation Priorities Adjacent to State Parks
- 10:40 AM** *Davis**, John and George *Robinson*
Comparison of Land Conservation Models in Montgomery County, New York
- 11:00 AM** *Reinmann**, Andy
Using Town-Wide Habitat Maps to Address Climate Change
- 11:20 AM** *Vispo**, Conrad and Claudia *Knab-Vispo*
The Biodiversity of Columbia County NY Ponds in Relation to Land Use

11:40 AM *Jones**, *Chad*
Patterns of Spread of Native and Invasive Species in a Regenerating Forest

Noon **Lunch Break**

Botanical and Ecological Studies
Thursday, April 17, 2008, Meeting Room 7
Contributed Oral Session

Moderator: Adam K. Ryburn (SUNY College at Oneonta, Oneonta, NY)

1:00 PM *Tessier**, *Jack*
Effects of Forest Management on the Vegetation of a Forested Urban Park

1:20 PM *Bell**, *Kristen and Erik Kiviat*
Gems of Eastern New York: Circumneutral Bog Lakes

1:40 PM *Werier**, *David*
The Status of the Lycopod *Spinulum canadense* in New York

2:00 PM *Broyles**, *Steven*
Population Genetics of Purple Milkweed (*Asclepias purpurascens*) in Orange County New York

2:20 PM *Nixon, Kevin C., Anna M. Stalter*, Edward A. Cope, and Robert E. Dirig*
Expanding and Enhancing a Web-Based Flora for Tompkins County, New York

2:40 PM *Ryburn**, *Adam K., Laurie Freeman, Connie Tedesco, and Donna Vogler*
Updates on Vouchered Floras of Fulton, Montgomery and Otsego Counties, NY

3:00 PM **Poster Session**

The Adirondack Effects Assessment Program (AEAP)
Friday, April 18, 2008, Meeting Room 1
Organized Symposium

Overview: The EPA-funded AEAP was established at Rensselaer Polytechnic Institute in 1994. Under the scientific direction of Sandra A. Nierzwicki-Bauer and Charles W. Boylen, the program was funded through 2007. This invited session has been organized as a cohesive scientific presentation of this long-term environmental study that has followed a number of chemical and biological variables in a suite of lakes and ponded waters in the western Adirondacks. A program of this magnitude would not be possible without the establishment of collaborations with numerous scientists and co-investigators. James Sutherland formerly at the NYS DEC has served as coordinator of the lake surveys. Other collaborators have contributed to more specialized project components. The presentations that follow summarize and highlight the overall project findings to date.

Organizer and Moderator: Charles W. Boylen (Darrin Fresh Water Institute and Department of Biology, Rensselaer Polytechnic Institute, Troy, NY)

8:20 AM *Nierzwicki-Bauer**, *Sandra A., James W. Sutherland, James P. Harrison, Bahram Momen, Robert Bombard, Lawrence W. Eichler, David Winkler, Greg B. Lawrence, and Charles W. Boylen*
AEAP: Temporal Changes in Chemistry Associated with Adirondack Lake Acidification and Recovery

8:40 AM *Charles, Donald F., Frank A. Acker, Paul A. Bukaveckas, William H. Shaw, Charles W. Boylen*, and Sandra A. Nierzwicki-Bauer*
Phytoplankton Assemblage Response to Decreasing Acidic Deposition in Adirondack Mountain Lakes

- 9:00 AM** *Shaw**, William, Paul **Bukaveckas**, James **Sutherland**, Charles **Boylen**, and Sandra **Nierzwicki-Bauer**
Zooplankton Recovery in Chemically Recovering, Acidified Adirondack Lakes
- 9:20 AM** *Eichler**, Lawrence W. and Charles W. **Boylen**
Submersed Macrophyte Communities of Adirondack Lakes: Relationships between Community Structure and pH
- 9:40 AM** *Daniels**, Robert, Robert **Bombard**, James **Sutherland**, and Charles **Boylen**
Assessing Change in Fish Assemblages in Adirondack Lakes
- 10:00 AM** **Refreshment Break**

Ecological Status and Recovery at Brooktrout Lake

Friday, April 18, 2008, Meeting Room 1
Organized Symposium

Organizers: Clifford A. Siegfried (New York State Museum, Albany, NY) and Charles W. Boylen (Darrin Fresh Water Institute and Department of Biology, Rensselaer Polytechnic Institute, Troy, NY)
Moderator: Clifford A. Siegfried (New York State Museum, Albany, NY)

- 10:20 AM** *Siegfried**, Clifford, Jay **Bloomfield**, Scott **Quinn**, Robert **Bombard**, James **Sutherland**, Charles **Boylen**, and Sandra **Nierzwicki-Bauer**
Biological and Chemical Interactions in the Recovery of an Acid Lake, Brooktrout Lake
- 10:40 AM** *Siegfried**, Clifford, Scott **Quinn**, Jay **Bloomfield**, William **Shaw**, Robert **Bombard**, Robert **Daniels**, James **Sutherland**, Charles **Boylen**, and Sandra **Nierzwicki-Bauer**
Biological Recovery of Brooktrout Lake from the Impacts of Acidification
- 11:00 AM** *Shaw**, William, James **Sutherland**, Charles **Boylen**, and Sandra **Nierzwicki-Bauer**
Effects of Weather on Acidity Variables and Zooplankton Densities in Adirondack Lakes
- 11:20 AM** *Farrell**, Jeremy L., James P. **Harrison**, Clifford A. **Siegfried**, Charles W. **Boylen**, and Sandra A. **Nierzwicki-Bauer**
Hydroacoustic Monitoring of Macroinvertebrates and Introduced Brook Trout into Brooktrout Lake
- 11:40 AM** *Kolozsvary**, Mary Beth and Clifford **Siegfried**
Amphibians of Brooktrout Lake: A "Recovering" Acidified Lake in the Adirondacks
- Noon** **Lunch Break**

Adirondack Ecology

Friday, April 18, 2008, Meeting Room 1
Organized Symposium

Organizer and Moderator: Jerry Jenkins (Wildlife Conservation Society Adirondack Program, Saranac Lake, NY)

- 1:20 PM** *Jenkins**, Jerry
Recent and Prospective Changes in the Adirondack Lowland Boreal
- 1:40 PM** *Glennon**, Michale
Distribution and Abundance of Lowland Boreal Birds in the Adirondack Park
- 2:00 PM** *Danks**, Elizabeth Dowling and William **Porter**
Assessment of Residential Developmental Impact on Small Mammal Communities in the Adirondacks

2:20 PM	<i>Smith</i> [*] , <i>Zoe and Levi Sayward</i> Evaluating Solutions to Human–Bear Conflict in Backcountry Areas of the Adirondacks
2:40 PM	Break
3:00 PM	Refreshment Break
3:20 PM	<i>Robinson</i> [*] , <i>Sean</i> A 23-Year Assessment of Vegetation Change in the Adirondack Alpine Zone
3:40 PM	<i>Farrell</i> [*] , <i>Jeremy L.</i> , <i>Robert T. Bombard</i> , <i>James W. Sutherland</i> , <i>David Winkler</i> , <i>Lawrence W. Eichler</i> , and <i>Charles W. Boylen</i> Lake George Stream Water Chemistry—Historical Data Visualization on an Interactive Website
4:00 PM	<i>Shaw</i> [*] , <i>William</i> , <i>Charles Boylen</i> , and <i>Sandra Nierzwicki-Bauer</i> Zooplankton Community Indices as Tools for Assessing Lake Acidification Stress and Recovery

Emerging Diseases and Effects of Pollutants on Amphibians and Reptiles

Friday, April 18, 2008, Meeting Room 2
Organized Symposium

Overview: *Emerging infectious diseases, parasites, and pollutants threaten many populations of amphibians and reptiles worldwide. This symposium will address our current understanding of these threats in the Northeast, diagnostic approaches, and research needs. This symposium was organized on behalf of Northeast Partners in Amphibian and Reptile Conservation (NEPARC), whose goal is to conserve amphibians, reptiles, and their habitats as integral parts of our ecosystem and culture through proactive and coordinated public and private partnerships in the Northeast.*

Organizer: *Mary Beth Kolozsvary (New York State Biodiversity Research Institute, New York State Museum, Albany, NY)*

Moderator: *Peter Ducey (SUNY Cortland, Cortland, NY)*

8:00 AM	<i>Michell</i> [*] , <i>Kathy and Jude Holdsworth</i> Evidence of Increasing Incidence of Disease in Native Turtles and Research Needs
8:20 AM	<i>Brunner</i> [*] , <i>Jesse and Danna Schock</i> Unravelling the Mechanism(s) of Ranavirus Transmission
8:40 AM	<i>Gahl</i> [*] , <i>Megan K. and Aram J.K. Calhoun</i> Emerging Infectious Amphibian Diseases and Potential Stressors in Acadia National Park Wetlands
9:00 AM	<i>Innis</i> [*] , <i>Charles</i> A Review of Diagnostic Methods for Reptile Infectious Diseases
9:20 AM	<i>Pauli</i> [*] , <i>Bruce</i> Environment Canada Research on Disease and Contaminant Effects in Reptiles and Amphibians
9:40 AM	<i>Ducey</i> [*] , <i>Peter K. and Alvin R. Breisch</i> Herpetofauna Population Changes in a Highly-Polluted Urban Ecosystem: Onondaga Lake, NY
10:00 AM	Refreshment Break

Emerging Diseases and Effects of Pollutants on Amphibians and Reptiles (con't)

Friday, April 18, 2008, Meeting Room 2

Organized Symposium

Moderator: Anne L. Duperault (New York State Biodiversity Research Institute, New York State Museum, Albany, NY)

- 10:20 AM** **Bank***, Michael (LATE CANCELLATION)
Mercury Speciation and Bioaccumulation in Amphibian Populations
- 10:40 AM** **de Solla***, Shane and Pamela **Martin**
Toxicity of Nitrogenous Fertilizers and Pesticides to Snapping Turtles Eggs
(*Chelydra serpentina*)
- 11:00 AM** **McDaniel***, Tana, Pamela **Martin**, Mary **Buhr**, Jim **Sherry**, John **Struger**, and Mark **McMaster**
Is Exposure to Agricultural Runoff Leading to Sexual Disruption in *Rana pipiens*?
- 11:20 AM** **Horn***, Erin
Potential Effects of Endocrine Disrupting Chemicals on Diamondback Terrapins
(*Malaclemys terrapin*)
- 11:40 AM** **Munney***, Ken, Fred **Pinkney**, Sherry **Krest**, and Piet **Johnson**
Amphibian Abnormalities and Parasite Incidence on National Wildlife Refuges,
Regional/National Perspectives
- Noon** **Lunch Break**

Habitat Conservation Issues of Northeastern Amphibians and Reptiles

Friday, April 18, 2008, Meeting Room 2

Contributed Oral Session

Moderator: Glenn Johnson (SUNY Potsdam, Potsdam, NY)

- 1:40 PM** **Hecht***, Jack, Alvin **Breisch**, and Jesse **Jaycox**
Northern Cricket Frog (*Acris crepitans*)—Current Knowledge and Research Needs
- 2:00 PM** **Jones***, Michael and Paul **Sievert**
Displacement and Mortality of Wood Turtles by Seasonal Floods
- 2:20 PM** **Hartwig***, Tanessa, Erik **Kiviat**, Heidi **Bock**, and Gretchen **Stevens**
Wetland and Nest Microhabitats of Blanding's Turtle at a Habitat Restoration Site
- 2:40 PM** **Chaloux***, Andrea, Alvin **Breisch**, and Michael **Kallaji**
Blanding's Turtle Habitat Use in a Changing Landscape: Conservation Implications
- 3:00 PM** **Refreshment Break**
- 3:20 PM** **Paulson***, David and Paul **Sievert**
Evaluating the Effectiveness of Road Passage Structures for Freshwater Turtles in
Massachusetts
- 3:40 PM** **Muldoon***, Kerry
Determining Movement Patterns and Survivorship of Diamondback Terrapin Hatchlings
at Jamaica Bay
- 4:00 PM** **Willey***, Lisabeth and Paul **Sievert**
Use of Anthropogenic Nesting Areas by *Terrapene c. carolina* in Central Massachusetts
- 4:20 PM** **Johnson***, Lori
Eastern Musk Turtle Ecology in Central Massachusetts

Aquatic Invaders: Animals
Friday, April 18, 2008, Meeting Room 3
Organized Symposium

Organizer: Catherine McGlynn (SUNY Stony Brook, Stony Brook, NY)

Moderator: Helen Bustamante (University of Illinois at Urbana-Champaign, Urbana, IL and Illinois Natural History Survey, Champaign, IL)

- 8:40 AM** **Kuhlmann***, Mark, Anthony **Prisciondaro**, Megan **Irland**, Greg **Hamilton**, Sara **Caldwell**, and Ryan **Oliver**
Do Invasive Rusty Crayfish Affect Stream Macroinvertebrates?
- 9:00 AM** **Molloy***, Daniel
Endosymbionts of Zebra and Quagga Mussels: What is Their Significance?
- 9:20 AM** **Crane***, Lori and Thomas **Horvath**
Assessing Zebra Mussel Veliger Mortality via Exposure to Hydrodynamic Forces
- 9:40 AM** **Mayer***, Denise and Daniel **Molloy**
Biological Control of Zebra and Quagga Mussels with a Novel Microbial Agent
- 10:00 AM** **Refreshment Break**

Aquatic Invaders: Plants
Friday, April 18, 2008, Meeting Room 3
Organized Symposium

Organizer: Troy Weldy (Eastern New York Chapter, The Nature Conservancy, Albany, NY)

Moderator: Kyle Williams (NYSDOT Environmental Analysis Bureau, Schenectady, NY)

- 10:20 AM** **Hill***, Laura, Sarah **Friend**, and Alison **Brody**
The Effects of an Invasive Grass on a Globally Threatened Wetland Plant
- 10:40 AM** **Swinton***, Mark W. and Charles W. **Boylen**
Competitive Advantages and Nutrient Limitations of Eurasian Watermilfoil
- 11:00 AM** **Rubbo***, Jennifer and Robert P. **Brooks**
Controlling an Invasive Grass (*Phalaris*) to Enhance Tree Establishment in Riparian Areas
- 11:20 AM** **Nemecek***, Russell and John **DeHollander**
Water Chestnut Control in Central New York
- 11:40 AM** **Oles***, Hilary, Steven **Flint**, Raymond **Curran**, and Stephen **Langdon**
Phragmites, Frog-Bit, and More: Invasive Plant Management Updates from the Adirondacks
- Noon** **Lunch Break**

Acoustic Sampling Methods of Nocturnal Migrating Birds
Friday, April 18, 2008, Meeting Room 3
Contributed Oral Session

Moderator: Michael Lanzone (Powdermill Avian Research Center, Rector, PA)

- 1:20 PM** **Lanzone***, Michael and Andrew **Farnsworth**
A Novel Method of Recording Flight Calls from Captive Wood Warblers
- 1:40 PM** **Grove***, Lewis, Emma **DeLeon**, Ben **Coulter**, and Michael **Lanzone**
Counting Night Migrating Birds: Observer Variation in Manually-Scored Audio Files

- 2:00 PM** *DeLeon**, Emma, Lewis *Grove*, Benjamin *Coulter*, and Michael *Lanzone*
Automated Detection of Nocturnal Flight Calls: A Comparison of Analytical Software
- 2:20 PM** *Coulter**, Benjamin, Emma *DeLeon*, Lewis *Grove*, and Michael *Lanzone*
Monitoring Nocturnal Songbird Migration: Do Banding and Acoustic Recordings Yield Concordant Results?
- 2:40 PM** **Break**
- 3:00 PM** **Refreshment Break**

Mammals

Friday, April 18, 2008, Meeting Room 3
Contributed Oral Session

Moderator: Roland Kays (New York State Museum, Albany, NY)

- 3:20 PM** *Frank**, Craig, Mike *Stevens*, and Gretchen *Gary*
Reductions in Torpor and Decreased Survival by Eastern Chipmunks during Warm Winters
- 3:40 PM** *Dechen**, Amy, David *Williams*, and William *Porter*
Habitat Use among GPS-Collared White-Tailed Deer: Implications for Disease Spread
- 4:00 PM** *Hicks, Alan C. and Carl J. Herzog**
White Nose Syndrome: Background and Status of a New Threat to Bats in the Northeast
- 4:20 PM** *Kautz**, Marie and Michael L. *Putnam*
Feral Hogs in Central New York
- 4:40 PM** *Kays**, Roland W.
New Camera Trap Tools for a Mammal Atlas of New York

Invasive Species: Management

Friday, April 18, 2008, Meeting Room 4
Organized Symposium

Organizer: Troy Weldy (Eastern New York Chapter, The Nature Conservancy, Albany, NY)

Moderator: Steven Clemants (Brooklyn Botanic Garden, Brooklyn, NY)

- 8:00 AM** *Traynor**, Mike
Invasive Species Management and Mitigation Area Permit Requirements: Squaw Island Park, Buffalo, NY
- 8:20 AM** *O'Brien**, Robert, Pamela *Otis*, and Kristen *Cady-Saywer*
A Framework for Invasive Species Control in the State Park System
- 8:40 AM** *Weyeneth**, Laura and Emilie *Hauser*
Mile-a-Minute Vine in the Hudson Valley: A Collaborative Response
- 9:00 AM** *Averill**, Kristine M., Antonio *DiTommaso*, Charles L. *Mohler*, and Lindsey R. *Milbrath*
Pale Swallow-Wort: It's Establishing and Expanding. How Can We Control It?
- 9:20 AM** *Kishbaugh**, Scott
Using Grass Carp to Control Aquatic Nuisance Species
- 9:40 AM** *Kleppel**, Gary and Erin *LaBarge*
Matching Livestock Breed Attributes to Conservation Goals
- 10:00 AM** **Refreshment Break**

Invasive Species: Research
Friday, April 18, 2008, Meeting Room 4
Organized Symposium

Organizer: Troy Weldy (Eastern New York Chapter, The Nature Conservancy, Albany, NY)

Moderator: Fred Koontz (Teatown Lake Reservation, Ossining, NY)

- 10:20 AM** **Tabak***, Nava
Jewel or Weed: Research on an Early Detection Species
- 10:40 AM** **Wilkinson***, Meg
iMapInvasives: A Web-Based Approach to Invasive Species Data Aggregation, Mapping and Decision-Making
- 11:00 AM** **Moore***, Gerry, Marilyn **Jordan**, and Troy **Weldy**
Evaluating the Potential Invasiveness of Non-Native Plants in New York State
- 11:20 AM** **Bried***, Jason
Making Invasiveness Count in Floristic Quality Assessments
- 11:40 AM** **Brooks***, Wesley R., David T. **Mellor**, Joan **Ehrenfeld**, Edwin **McGowan**, Edward **Goodell**,
and Rebecca **Jordan**
Using Citizen Scientists to Collect Plant Distribution Data in NY/NJ Forest Land
- Noon** **Lunch Break**

**The Good, the Bad and the Neutral: Effects of Invaders on Native
Organisms and Their Habitats**

Friday, April 18, 2008, Meeting Room 4
Organized Symposium

Overview: Invasive organisms, plants and animals that are native to other countries, impact the lives of plants and animals that are native to the Northeast. The symposium has attracted a host of prominent speakers and will be a comprehensive look at how invasive organisms affect native organisms and their habitats. Hear talks about the good, the bad and the neutral impacts of invasive species. Learn why the assumption that an invader will have a negative effect on native organisms and habitats is not always correct.

Organizer: Catherine McGlynn (SUNY Stony Brook, Stony Brook, NY)

Moderator: Sarah Fernald (Hudson River National Estuarine Research Reserve, New York State Department of Environmental Conservation, Staatsburg, NY)

- 1:00 PM** **Pinder***, Rebecca
Earthworm Distribution along Riparian Areas and Their Relationship to Streamside Salamander Diets
- 1:20 PM** **Wyman***, Richard
Effects of Earthworms on Salamanders, Litter Decomposition, Invertebrates and Water Quality
- 1:40 PM** **Robinson***, George
Stand-Level Dynamics and Consequences of the Endemic Beech Bark Disease
- 2:00 PM** **Losey***, John and Leslie **Allee**
Decline of Native Ladybeetles in the Northeast
- 2:20 PM** **Carlsson***, Nils
The Snail from Hell. Who Eats Invaders with Specialized Defenses?
- 2:40 PM** **Bustamante***, Helen
Population Dynamics of the Zebra Mussel (*Dreissena polymorpha*) in the Hudson River
- 3:00 PM** **Refreshment Break**

- 3:20 PM** *Strayer**, David L., Michael L. **Pace**, Nina F. **Caraco**, Jonathan J. **Cole**, and Stuart E.G. **Findlay**
Zebra Mussel Grazing and Hydrology Jointly Control the Hudson River Food Web
- 3:40 PM** *Findlay**, Stuart, Megan **Skrip**, and Ryder **Diaz**
Invasive Waterchestnut Effects on Hudson River Invertebrates—What, They Worry?
- 4:00 PM** *Tripp*, Kim and Jessica **Browning***
Invasion of Exotic Species in Already Stressed Urban Ecosystems
- 4:20 PM** *Kiviat**, Erik
Should We Work with Phragmites Instead of Against It?
- 4:40 PM** *McGlynn**, Catherine
Invasion Impacts across Trophic Levels: A Case Study

Plant Ecology

Friday, April 18, 2008, Meeting Room 5
Contributed Oral Session

Moderator: Nishanta Rajakaruna (College of the Atlantic, Bar Harbor, ME)

- 8:00 AM** *Jenkins**, Jerry
Vegetation Patterns on the Champlain Hills and the Structure of Plant Communities
- 8:20 AM** *Rajakaruna**, Nishanta, Tanner B. **Harris**, and Earl B. **Alexander**
Serpentine Outcrops of Eastern North America: Model Habitats for Geoecological Studies
- 8:40 AM** *Palmer**, Matthew, Laura **Dickinson**, Stuart **Gaffin**, and Peter **Mott**
Northeastern Grassland Communities on Urban Rooftops
- 9:00 AM** *Quinn**, Caitlin and Karl **McKnight**
Characterization of Autecological Requirements of *Carex* Species in Glen Meal State Forest
- 9:20 AM** *Scanga**, Sara and Donald **Leopold**
How Do Light and Water Levels Affect a Rare Wetland Plant?
- 9:40 AM** *Bonanno**, Sandra, Naomi **Cappuccino**, Antonio **DiTommaso**, Frances **Lawlor**,
Lindsey **Milbrath**, and George **Spak**
Partnering to Manage Invasive Swallow-Worts in Northern New York
- 10:00 AM** **Refreshment Break**

Invertebrate Species Biodiversity and Conservation

Friday, April 18, 2008, Meeting Room 5
Contributed Oral Session

Moderator: Erin White (New York Natural Heritage Program, Albany, NY)

- 10:20 AM** *Smith*, Tamara and Elizabeth **Meyer***
Freshwater Mussel Surveys in the Navigational Pools of the Allegheny River, PA
- 10:40 AM** *Whiteleather**, Kristian
Chittenango Ovate Amber Snail: Current Results from the Field
- 11:00 AM** *Reznik**, Joseph
Monophyly of the Genus *Pseudosinella* (Collembola: Entomobryidae), with Comments on Cave Invertebrate Conservation

- 11:20 AM** *Ovtcharenko*, Vladimir*
Biodiversity of Spiders of Hudson Highlands
- 11:40 AM** *Trachman*, Julie and Vladimir Ovtcharenko*
Microbial Carriage by Spiders (Araneae) from Different Rural Habitats of New York
- Noon** **Lunch Break**

State Wildlife Grants Program
Friday, April 18, 2008, Meeting Room 5
Organized Symposium

***Organizer and Moderator:** Paul Novak (New York State Department of Environmental Conservation, Schenectady, NY)*

- 1:30 PM** *Holst, Lisa K.*
Overview of New York State Wildlife Grants Program
- 1:40 PM** *Breisch*, Kirstin*
Development of Standard Survey Techniques for an Endangered Butterfly
- 2:00 PM** *White*, Erin and Paul Novak*
The New York Dragonfly and Damselfly Survey: Project Update and Preliminary Results
- 2:20 PM** *Crabtree*, Darran, Tamara Smith, and Kathleen O'Brien*
Viability of Freshwater Mussels (Unionidae) in the Allegheny Basin (NY)
- 2:40 PM** *McKeown*, Paul, Doug Carlson, Mike Clancy, Rick Lorson, David Argent, and William Kimmel*
Restoration of Paddlefish to the Upper Ohio River and Allegheny River Systems
- 3:00 PM** **Refreshment Break**
- 3:20 PM** *Czech*, Helen and James Gibbs*
Spiny Softshell Habitat Use in a Central New York Embayment
- 3:40 PM** *Glennon, Michale, Leslie Karasin*, and Chad Seewagon*
Use of Whiteface Mountain by Bicknell's Thrush and Other Montane Birds
- 4:00 PM** *Ross*, Angelena M., Glenn Johnson, and James P. Gibbs*
Spruce Grouse: A Mid-Successional Species in an Aging Forested Landscape
- 4:20 PM** *Adams*, David, Heidi Kennedy, Jim Eckler, Irene Mazzocchi, and Carrie Osborne*
New York State Secretive Marsh Bird Survey Results, 2004–2006
- 4:40 PM** *Newman, David J., Carl J. Herzog*, and Alan C. Hicks*
Landscape Characteristics as They Related to Roost Selection of Indiana Bats in the Lower Hudson River Valley