

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

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- ~~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