

ConservationSymposiumSeries

Lake Erie Ecology, Conservation & Restoration

Presented by the

CENTER FOR

Conservation & Biodiversity

at
The Cleveland Museum of
Natural History

Thursday and Friday,
September 9 and 10, 2004



Cleveland Museum of
NATURAL HISTORY

Lake Erie is Northeast Ohio's defining feature, shaping the land, the weather and the region's economy. But just how much do we know about this vital ecosystem? Topics and issues concerning Lake Erie and the many habitats and organisms it supports are the focus of this year's Conservation Symposium Series event at The Cleveland Museum of Natural History. Talks are geared toward a general audience with an interest in conservation.

Thursday, September 9

1 to 5 pm

Concurrent Field Trips

Participants will meet at field trip sites. Directions will be mailed in advance.

- Little Cedar Point-Ottawa National Wildlife Refuge with The Nature Conservancy Ecologist Rick Gardner
- Mentor Marsh with Museum Curator of Invertebrate Zoology Dr. Joe Keiper
- North Kingsville Sand Barrens with Museum Botany Assistant Trish MacKeigan and Land Steward Mike Traynor
- Kelleys Island with Museum Naturalist Larry Rosche
- Presque Isle with Museum Curator of Botany and Director of the Center for Conservation & Biodiversity Dr. Jim Bissell
- Presque Isle with Penn State Erie, The Behrend College Associate Professor of Biology Dr. Mike Campbell
- Kitty Todd State Nature Preserve with Botanist Dr. Timothy Walters
- Sheldon's Marsh with Ohio Division of Wildlife Specialist Jim McCormac
- Headlands Dunes with Museum Educator Bob Bartolotta
- Arcola Creek with Lake Metroparks Natural Areas Specialist John Pogacnik
- Ashtabula Dunes with Sam Wharram Nature Club President Marc Hanneman
- Conneaut Harbor with Museum Curator of Vertebrate Zoology Dr. Tim Matson

6 to 8 pm

Cuyahoga River and Lake Erie cruise

Fee: \$25 per person. Limit 40. *Participants should meet at dock at least 15 minutes before departure. Directions will be mailed in advance.*

Help take care of the lake!

Arcola Creek Cleanup

Sponsored by The Nature Conservancy, Lake Metroparks, The Cleveland Museum of Natural History and Friends of Arcola Creek

Saturday, September 11

9 am to Noon

Free

Participate in beach and stream cleanups and invasive species removal on Nature Conservancy and Lake County properties. Meet at Arcola Creek parking lot at 941 Dock Road, Madison Township. Afterward, enjoy a picnic lunch provided by The Nature Conservancy and The Cleveland Museum of Natural History. Please dress for the weather, wear old shoes/boots and bring work gloves.

Registration is required by Wednesday, September 8 by calling Lake Metroparks, (440) 358-7275 or 800-669-9226.

*This event is part of Ohio's Coastweeks 2004,
sponsored in part by the Ohio Lake Erie Commission.
For more information, visit www.epa.state.oh.us/oleo*

Friday, September 10

8:15 to 9:15 am

Registration and continental breakfast

Breakfast courtesy of Panera Bread

9:15 to 9:30 am

Welcome

9:30 to 10:30 am

Keynote speaker

The Changing Lake Erie Ecosystem: Should We Be Concerned?

Dr. Jeffery Reutter, Director of Ohio Sea Grant and Ohio State University F.T. Stone Laboratory

10:45 am to noon

Breakout sessions

Sections 1A, 1B and 1C are concurrent. Each session runs 20 minutes with the final 10 minutes for Q&A.

1A *Protecting our Public Lands:*

Invasive Plant Control at Presque Isle State Park

Mike Mumau, Presque Isle State Park Assistant Park Manager

Rare Palustrine Wetlands Along the South Shore of Lake Erie

Dr. Jim Bissell, Cleveland Museum of Natural History Curator of Botany and Director of the Center for Conservation & Biodiversity

1B *A View from the Bottom — Changes in the Lake Erie Ecosystem*

Dr. Julie Wolin, Cleveland State University Biological, Geological & Environmental Sciences Department Assistant Professor

The Misfortunes and Successes of Mayflies:

What They Tell Us About the Health of Lake Erie

Dr. Kenneth Kreiger, Heidelberg College Water Quality Laboratory Senior Research Scientist

1C *The Freshwater Mussels of Lake Erie*

Dr. G. Thomas Watters, Ohio State University Museum of Biological Diversity Curator of Mollusks

Exotic Mussels and Shifting Resources:

Altered Food Webs in the Great Lakes

Dr. Rex Lowe, Bowling Green State University Professor of Biological Sciences

Noon to 1:45 pm

Lunch, poster sessions, Museum and garden tours

Box lunches available for preorder: \$10 — see registration form
Registration must be received by September 2 for box lunches to be reserved)

1:45 to 2:30 pm

Special session

Natural Features Inventory of the Ohio Lake Erie Coast

Greg Schneider, Ohio Division of Natural Areas & Preserves
Natural Heritage Program Group Manager

2:45 to 4 pm

Breakout sessions

Sections 2A, 2B and 2C are concurrent. Each session runs 20 minutes with the final 10 minutes for Q&A.

2A *“Pelagiomyopia”: What’s Wrong with Our Paradigm of
What’s Wrong with Lake Erie?*

Roger Thoma, Midwest Biodiversity Institute Research Scientist

*Linking Land Use to Production and Biodiversity of the
Lake Erie Fish Community*

Dr. Joseph Koonce, Case Western Reserve University
Professor of Biology

2B *The Effect of Lake Erie on the Movements of Migrant Birds
in the Cleveland Region*

Larry Rosche, Cleveland Museum of Natural History Naturalist

The Common Tern Recovery Plan for Ohio

Mark Shieldcastle, Ohio Division of Wildlife Crane Creek
Wildlife Research Station Project Leader

2C *Conservation and Restoration of the Lake Erie Watersnake*

Dr. Rich King, Northern Illinois University Department of
Biological Sciences Assistant Professor

*Alvar Communities of Pelee Island and Other Areas
Within the Great Lakes Basin*

Dr. John Ambrose, Botanical Consultant

4 pm

Symposium ends

For Teachers:

Offered through the Museum's Science Resource Center. Limit 25 participants. Scholarships to underwrite fees are available. Please call the SRC at (216) 231-4600, ext. 3211, for an application.

Friday, September 10, noon to 1:45 pm **Teacher Luncheon with Speaker** (Fee: \$10)

Saturday, September 11, 9 am to 4 pm **Project WET Workshop**

Learn about this environmental education curriculum that facilitates and promotes awareness, appreciation, knowledge and stewardship of water resources. Supporting materials included. (Fee: \$30)

Graduate Credit Available

Teachers who attend the September 10 symposium activities and Saturday workshop are eligible to earn one graduate credit hour through Ashland University. (Fee: \$230; payable on day of symposium)

Save the date:

The next Conservation Symposium will take place September 9, 2005.

For more information:

To find out more about the Center for Conservation & Biodiversity, contact the Center's Associate Director, Renee Boronka, at (216) 231-4600, ext. 3505, or rboronka@cmnh.org. For information about educational opportunities and resources for teachers offered by the Science Resource Center, contact SRC Coordinator Pam Keiper at (216) 231-4600, ext. 3211, or pkeiper@cmnh.org.

Are you a member?

Museum membership benefits include free admission, complimentary subscriptions to Museum publications, discounts on fees for lectures, classes and field trips to Museum natural areas as well as a 10 percent discount on purchases in the Museum Store. For more information, call (216) 231-4600, ext. 3340.

This Conservation Symposium Series event is made possible by the generous support of The George Gund Foundation (Presenting Sponsor), the McGinty Family Foundation and The Sears-Swetland Family Foundation (Educational Sponsors), The Nature Conservancy, Cleveland Metroparks Zoo, Chagrin River Land Conservancy, The Cleveland Museum of Natural History Trout Club, The Greater Cleveland Convention and Visitors Bureau and Panera Bread.

Registration Information

Preregistration is requested. Payment by check or credit card must accompany registration. Registration will be accepted until September 10 as space permits. Additional registration forms may be downloaded at www.cmnh.org. Parking fees extra.

By mail: Mail form with payment to: Conservation Symposium Registration, The Cleveland Museum of Natural History, 1 Wade Oval Drive, University Circle, Cleveland, OH 44106-1767

By phone: Call (216) 231-1177 or 800-317-9155, ext. 3279, and have registration form and credit card information handy or fax registration to (216) 231-5919.

Field Trip Selections — September 9

I will attend the following field trip (please select one only)

- | | | |
|---|--|--|
| <input type="checkbox"/> Little Cedar Point-Ottawa National Wildlife Refuge | <input type="checkbox"/> Presque Isle with Jim Bissell | <input type="checkbox"/> Headlands Dunes |
| <input type="checkbox"/> Mentor Marsh | <input type="checkbox"/> Presque Isle with Mike Campbell | <input type="checkbox"/> Arcola Creek |
| <input type="checkbox"/> North Kingsville Sand Barrens | <input type="checkbox"/> Kitty Todd | <input type="checkbox"/> Ashtabula Dunes |
| <input type="checkbox"/> Kelleys Island (pay own ferry fee) | <input type="checkbox"/> Sheldon's Marsh | <input type="checkbox"/> Conneaut Harbor |

Cuyahoga River and Lake Erie Cruise — September 9

Please reserve my place on the boat (seats filled on a first-come, first-served basis)

Breakout Session Choices — September 10

Morning Session (please check one only) **Afternoon Session** (please check one only)

- 1A 1B 1C 2A 2B 2C

Registration Fees and Box Lunch Reservation:

- Cuyahoga River and Lake Erie Cruise: **\$25**
 Early bird fee postmarked, faxed or phoned by August 19: **\$15**
 Fee after August 19: **\$20** Project WET teacher workshop: **\$30**
 Friday teacher luncheon: **\$10** Teacher graduate credit: **\$230**
 Please reserve my box lunch on September 10: **\$10**
Sandwich selection: Asiago Roast Beef Sierra Turkey Garden Veggie
Please Note: Box lunch reservation must be received by September 2

Total fee accompanying registration: \$ _____

Mr. Ms. Mrs. Dr. (please check one)

_____ /
Title

_____ /
Organization/Business

_____ /
Address

_____ / / /
City State ZIP

_____ /
Daytime phone

_____ /
Evening phone

_____ /
Fax

_____ /
Email

Check (payable to The Cleveland Museum of Natural History)

Please charge my Visa Please charge my MasterCard

_____ /
Account Number

_____ /
Expiration Date

_____ /
Total Amount (plus \$1 handling fee)

_____ /
Signature

