

Lehigh County Conservation District
Lehigh County Agricultural Center
Suite 102
4184 Dorney Park Road
Allentown, PA 18104

Non Profit
U.S. Postage
PAID
Allentown, PA
Permit No. 1852

Second Lehigh Valley Watershed Conference and Shad Symposium 2008

Friday, March 28
8am - 6:00pm

Holiday Inn-
Fogelsville, PA



Registration deadline: March 10th, 2008 — Registration materials enclosed



Second Lehigh Valley Watershed Conference and Shad Symposium

March 28, 2008

The Lehigh Valley Watershed Conference is a forum to share ideas and strategies to improve and protect the greater Lehigh Valley watersheds and natural resources. The conference brings together watershed groups, municipal officials, educators, scientists, technical experts, agencies, industry representatives and the public to discuss effective ways to clean up watersheds, forge partnerships and maximize the natural resources in the greater Lehigh Valley.

The conference will involve large and small group discussions and presentations to promote technical information exchanges and highlight the successful efforts of local watershed organizations involved in watershed protection and sustainable remediation efforts.

This year's conference will end with a special presentation on climate change featuring **Dork Sahagian, member of the 2007 Nobel Peace Prize winning UN Intergovernmental Panel on Climate Change.**

Who should attend?

All interested local watershed organizations, elected and municipal officials, Environmental Advisory Council members (EAC), agency representatives, local educators, shad enthusiasts, scientists, graduate students and the general public.

For more information, please visit
http://www.lehigh.edu/~fj3/wc_08/index.html

Registration Deadline: March 10, 2008
Limited Availability!

CONFERENCE PROJECT PARTNERS



WATERSHED CONFERENCE REGISTRATION

Attendees must circle which Breakout you plan to attend for each Session.

Morning Session 1:	Breakout a Watershed Ordinances	Breakout b Headwaters Ecology	Breakout c Impacts-Alt. Energy	Shad Track
Morning Session 2:	Breakout a Alien Invasion	Breakout b Headwaters Hydrology	Breakout c L.V. Greenway	Shad Track
Afternoon Session 3:	Breakout a Stream Restoration	Breakout b Wetlands	Breakout c Stream Designation	Shad Track
Afternoon Session 4:	Breakout a Delaware & Lehigh Rivers	Breakout b Endocrine Disruptors	Breakout c Strategic Partnerships	Shad Track
Afternoon Session 5:	Climate Change	Shad Track		

Refreshments and Networking

NAME: _____ ORGANIZATION: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE: _____ EMAIL: _____

Registration includes meals, breaks, drinks, and conference programs: \$35.00 \$ 35.00
AMOUNT

Exhibitor Booth - 8 Foot Display Table (NO electricity)
(please circle one) None Non-Profit FREE For Profit: \$50.00 \$ _____
AMOUNT

Type of Payment: Check Credit Card

Please make checks payable to: **Wildlands Conservancy, Inc.** \$ _____

Type of Credit Card: Visa Mastercard TOTAL AMOUNT _____

CARD NUMBER: _____ EXP. DATE: _____

NAME AS IT APPEARS ON CARD: _____

SIGNATURE: _____ DATE: _____

Please mail or fax this form by **March 10th**, along with payment to:
Lehigh Valley Conference Registration
c/o Wildlands Conservancy, 3701 Orchid Place, Emmaus, PA 18049
Fax: 610-965-7223

If you have any questions or need more information, please contact
Lehigh County Conservation District representatives
Rebecca Kennedy 610-391-9583 ext. 18 or Erin Frederick ext. 25

Lehigh Valley Watershed Conference and Shad Symposium 2008

ADDITIONAL SPONSORS



HDR



LVPIX

PURITAN PRODUCTS
Custom Formulated and Specialty Chemicals



Land Studies

315 North Street
Leitz, Pa 17543
(717)-627-4440

www.landstudies.com



MORAVIAN COLLEGE

Moravian College Environmental Studies Program

1742



CELEBRATING 50 YEARS OF PRESERVATION
HERITAGE CONSERVANCY
1958-2008

www.heritageconservancy.org



Elm
Environmental
Liability
Management



800 242 1509 717 445 3100
www.terrestorm.com

Hanover

Engineering Associates Inc.

DIRECTIONS TO HOLIDAY INN, FOGELSVILLE:

From PA Turnpike/Route 476 -
Take Exit 56/Lehigh Valley To Highway 78 West. Take Exit 49A/Trexlerstown-100 South.
At The First Traffic Light Turn Right. Then Make Immediate Right Onto Sycamore Road.
The Hotel Will Be On The Left.

From Lehigh Valley International -

Follow Directions To Airport Exit. Take Highway 22 West To 78 West. At First Traffic Light
Turn Right Onto Pabst Road. The Hotel Will Be On The Right.

CONFERENCE SCHEDULE

7:30 - 8:30 Registration and Breakfast

8:30 - 9:20 Welcome and Opening Remarks

Welcome from Frank Pazzaglia, Lehigh University and Cindy Dunn, Department of Conservation and Natural Resources (DCNR)

Greetings from Lehigh County Executive Don Cunningham, Jr.

Watershed Conservation in the Lehigh Valley: Chris Kocher, Wildlands Conservancy

9:30 - 10:45 Morning Session 1

Breakout a:

Environmental Change on a Local Level

Municipal Watershed Ordinances - ACT 167: Purpose, Current State and Future

Sara Pandl, Pandl and Associates; Camille Lore, Stroud Township Planner; and
Geoffrey Reese, Lehigh Valley Planning Commission

Breakout b:

Headwaters Ecology

Bill Sweeney, DCNR, Jacobsburg Environmental Education Center;
Andy Curtis, H & K Group; and Lance Leonhardt, Saucon Valley High School

Breakout c:

Environmental Impacts of Alternative Energy: Potential Effects of Wind Farm Fragmentation
of Ridge Ecosystems and Biofuel Impacts on Watershed Processes

Dan Kunkle, Lehigh Gap Nature Center and Brian Nagle, PPL

Shad Track:



Historical Perspective on Delaware and Lehigh River Shad

A Look at the History of the American Shad in the Lehigh and Delaware Rivers
Dennis Scholl, Delaware and Lehigh National Heritage Corridor and
past President, Delaware River Shad Fishermen's Association

The History of Shad Restoration in the United States

Efforts to Restore the American Shad from the Late 1800's to the Present
Michael L. Hendricks, Pennsylvania Fish and Boat Commission

Coastwide and Delaware River American Shad Stock Assessment: A Summary of Results
from the Recently Completed Atlantic States Marine Fisheries Commission Stock Assessment
Dr. Andrew W. Kahnle, New York Department of Environmental Conservation

10:45 - 11:00 Break

Lehigh Valley Watershed Conference and Shad Symposium — March 28, 2008

11:00 - 12:00 Morning Session 2

Breakout a:

Alien Invasion: Invasive Species and their Effects on Ecosystems
Introduction to Invasive Initiatives by Pat Pingle, DCNR
Dr. Doug Tallamy, University of Delaware

Breakout b:

When the Water Comes Out of the Ground: Headwaters Hydrology — Recharge, Seeps/Springs, Baseflow Limestone, Policy Safeguards
Todd Giddings, Giddings and Associates, Inc.

Breakout c:

What's Happening with the Lehigh Valley Greenways Project?
Sherry Acevedo, Delaware and Lehigh National Heritage Corridor and Diane Kripas, DCNR

Shad Track:



Lehigh River Shad Restoration: An Overview of Shad Restoration Efforts in the Lehigh River
David A. Arnold, Pennsylvania Fish and Boat Commission

Dam Removal in Pennsylvania: Pennsylvania Leads the Nation in Removal of Unnecessary Dams
Dave Kristine, Pennsylvania Fish and Boat Commission

12:00 - 1:00 Lunch and Plenary Session

State of Conservation in Pennsylvania: Dr. Douglas Austen, PA Fish and Boat Commission

1:00 - 2:15 Afternoon Session 3

Breakout a:

In Search of the Silver Bullet: Stream Restoration History, Present Practice and Future
Mel Zimmer, Keystone Stream Team and Peter Petokas, Lycoming College

Breakout b:

Wetlands as Treatment Systems: the Kidneys of the Landscape
Local Acid Mine Drainage Treatment Examples: Brian Vadino, Wildlands Conservancy
Wetlands as Treatment Systems: Dr. Robert Shannon, Penn State University

Breakout c:

Stream Designation 101: Exceptional Value... High Quality... Impaired?
Tim Daley and Gary Walters, PADEP Biologists

Shad Track:



Fishways for Shad: Design Criteria for Passage of American Shad
Dick Quinl, U.S. Fish and Wildlife Service

Suggested Modifications to the Fishway at Easton Dam
An Innovative Approach to Improving Fish Passage
Bill McWha

Fishway Efficiency Studies: How to Use Radio Telemetry to Improve Fishway Performance
Michael L. Hendricks, PA Fish and Boat Commission

2:15 - 2:30 Break

2:30 - 3:30 Afternoon Session 4

Breakout a:

State of the Delaware and Lehigh Rivers
Bob Limbeck, Delaware River Basin Commission and Don Morris, Lehigh University

Breakout c:

Endocrine Disruptors in the Lehigh Valley's Surface Waters: The Latest Research*
Dr. Joseph Colosi, deSales University

Breakout c:

Building Strategic Partnerships: Watershed Associations Working with EACs
Jeanne Ortiz, PA Environmental Council; John Mauser, Martins-Jacoby Watershed Association; Kerl Maxfield, Saucon Creek Watershed Association and Erin Frederick, Upper Saucon Township EAC

Shad Track:



The Schools-in-Schools Program in Virginia
Generating Public Support for Shad Restoration through Middle School Education Efforts
Jim Cummins, Interstate Commission on the Potomac River Basin

Pennsylvania's Shad Education Program
Pennsylvania Fish and Boat Commission's Environmental Educational Program
Carl Richardson, Pennsylvania Fish and Boat Commission

3:30 - 3:45 Break

3:45 - 5:30 Afternoon Session 5

Special Presentation:

Climate Change: Global to Local - A Presentation and Panel Discussion
Dork Sahagian, Lehigh University, Member, Noble Peace Prize Winner UN's IPCC
Erika Spanger-Seigfried, Union of Concerned Scientists
Moderator: Frank Pazzaglia, Lehigh University

Shad Track:



Easton, Chain and Hamilton St. Dams: History and Uses
Lehigh River Dams Provide Benefits Which Must Be Weighed Against the Need for Fish Passage
Pennsylvania Department of Conservation and Natural Resources

Panel Discussion: The Future of American Shad in the Lehigh and Delaware Rivers.
Moderator: Dr. Jerilyn Jewett-Smith, East Stroudsburg State University

5:30 - 6:00 Refreshments and Networking

Join your colleagues for some light refreshments and an opportunity to exchange ideas, meet new contacts and greet old ones. Visit the exhibitors' booths and discover what's new in the field of watershed preservation and management.

Registration deadline: March 10th, 2008