

# Pennsylvania Lake Management Society 20<sup>th</sup> Annual Conference

“The Future of Lake Management in Pennsylvania”



*PALMS 2009 Photo Contest Winner  
Kerilynn Frey, PALMS Executive Director  
“Through the Eyes of a Child” at Lake Jean, Ricketts Glenn State Park*

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## PALMS welcomes guest speaker, Dr. Ken Wagner of AECOM

Dr. Wagner holds an undergraduate degree from Dartmouth College (1977) and graduate degrees from Cornell (1983 and 1985). Ken has worked for the New Jersey Department of Environmental Protection and consulting firms since 1985. He is currently a Water Resources Manager with AECOM, working on a variety of surface water projects, with his favorite being lake management efforts. He is a former President of the North American Lake Management Society (NALMS) and a Certified Lake Manager. Ken is also the Editor of “Lake and Reservoir Management,” the NALMS peer-reviewed scientific journal.

Ken will be the opening speaker at this year’s conference and he will give presentations on *The Next 20 Years of Lake Management in Pennsylvania* and on *In-Lake Algal Control Methods*.



## Wednesday, March 3, 2010

- 8:00am Registration & Continental Breakfast
- 9:00am Welcome: PALMS President – Gretchen Schatschneider, Director – Bucks County Conservation District
- 9:10am Keynote Speaker – Dr. Ken Wagner, AECOM – *The Next 20 Years of Lake Management in Pennsylvania*
- 10:00am *Grant Programs for Lake and Watershed Management* – Pennsylvania Department of Environmental Protection
- 10:20am Break
- 10:30am Concurrent Sessions
- (A) *Lake Management, Restoration & Protection in 2030: A Peak into the Future*  
Edward W. Molesky, CLM, Aqua Link, Inc. and Hydro Logic Products
  - (B) *Dams & Dam Safety – The Invisible Infrastructure* – Kirk A. Kreider,  
Pennsylvania Department of Environmental Protection, Division of Dam Safety
- 11:10am Break
- 11:20am Concurrent Sessions
- (A) *Lake Management BMP Design & Permitting...Dredging, Shoreline Stabilization, Benthic Barriers, Boat Ramps, Habitat Restoration, etc.*  
Jason Smith, Hanover Engineering
  - (B) *Algal Toxins and Management – Case Study on Lake and Watershed Management* – Kate Heilman, Carroll County Bureau of Resource Management
- 12:00pm Lunch (Provided) – Special Presentation: *National Lakes Assessment* – Dr. Richard Mitchell, United States Environmental Protection Agency, Office of Wetlands, Oceans, and Watersheds
- 1:10pm Concurrent Sessions
- (A) *The Marcellus Shale, Hydraulic Fracturing and Water* – Jack Showers, Manager of Community Relations, East Resources, Inc.
  - (B) *Fisheries Management...Do's & Don'ts!* – Joseph Gallagher, Ecological Solutions, Inc.
- 1:50pm Break
- 2:00pm Concurrent Sessions
- (A) *Water Monitoring Strategies and the Marcellus Shale* – James P. Shallenberger, PG, Princeton Hydro, LLC
  - (B) *The Trophic History of Lake Pleasant, Pennsylvania* – Milt Ostrofsky, Allegheny College
- 2:40pm Break (snacks sponsored)
- 2:50pm Concurrent Sessions
- (A) *Impacts of Marcellus Shale Industry on Aquatic Resources* – Steve Kepler, Pennsylvania Fish & Boat Commission
  - (B) *Fanwort Management within the High Flow Lakes in Big Bass Lake Community*  
Bob Schindler, Allied Biological, Inc.
- 3:30pm Break
- 3:40pm Concurrent Sessions
- (A) *Algal Control Alternatives* – Dr. Ken Wagner, AECOM
  - (B) *Eurasian Watermilfoil Management – Lessons for the 21<sup>st</sup> Century*  
Marty Hilovsky, EnviroScience, Inc.
- 4:30pm LAKE JEOPARDY – Are you smarter than a 5<sup>th</sup> grade lake owner???? (Interactive Session, all attendees participate at the same time)
- 5:00pm Networking Mixer – Cash Bar with snacks provided
- Evening Dinner on the Town & PSU Bar Tour (all on own)

## Thursday, March 4, 2010

8:00am	Registration & Continental Breakfast
9:00am	Welcome – PALMS President – Gretchen Schatschneider, Director – Bucks County Conservation District
9:10am	Concurrent Sessions (A) <i>Assessing a Lake's Response to the Implementation of a Long-Term Watershed-Based Management Plan</i> – Dr. Fred Lubnow, Princeton Hydro, LLC (B) <b><i>Trio of Insect Herbivores Control Eurasian Water-milfoil in Chautauqua Lake, New York</i></b> – Robert Johnson, Department Ecology and Evolutionary Biology, Cornell University*
10:00am	Break
10:10am	Concurrent Sessions (A) <i>Aquatic Invasive Species – Prevention and Emergency Action for Pennsylvania Lakes</i> – Sarah Whitney, Pennsylvania Sea Grant (B) <b><i>Reducing Pesticides by Understanding Toxicity and Exposure – Part I</i></b> Dr. Kerry Richards, Penn State University*
10:50am	Break
11:00am	Concurrent Sessions (A) <i>Assessing Nutrient Limitations in Streams: Correspondence Between Alternative Measures on Biofilm Nutrient Status</i> – Melissa May & Hunter J. Carrick, PSU – 20 minutes <i>Influence of Stream Productivity and Trophy on Phosphorus Assimilation by Benthic Biofilms: Implications for Nutrient Management</i> – Keith J. Price & Hunter J. Carrick, PSU – 20 minutes (B) <b><i>Reducing Pesticides by Understanding Toxicity and Exposure – Part II</i></b> Dr. Kerry Richards, Penn State University*
11:40am	Break
11:50am	Concurrent Sessions (A) <i>Lake Habitat Improvement Projects</i> – Ben Page, PA Fish & Boat Commission (B) <b><i>Macrophyte Control via Herbicides “Sonar” and “Renovate” in Waneta Lake, New York 2003-2009</i></b> – Robert Johnson, Department Ecology and Evolutionary Biology, Cornell University*
12:30pm	Lunch (Provided) & Annual PALMS General Membership Meeting
1:40pm	Concurrent Sessions (A) <i>Lake &amp; Pond Management (aka - PSU Road Show) – Part I – What Every Pond and Lake Owner Should Know - Basic Ecological Concepts &amp; Your Water Quality Monitoring Options</i> – Ed Molesky, CLM, Aqua Link and Hydro Logic Products (B) <b><i>Clipper &amp; Tradewind: Two Emerging New Herbicides for Watermeal Control</i></b> Dr. Jill Calabro, Valent USA*
2:20pm	Break (snacks sponsored)
2:30pm	Concurrent Sessions (A) <i>Lake &amp; Pond Management (aka - PSU Road Show) – Part II – Common Pond and Lake Problems and Solutions</i> – Bryan Swistock, Penn State University (B) <b><i>Clearcast Herbicide Update</i></b> – Bo Burns, BASF*
3:10pm	Break
3:20pm	Concurrent Sessions (A) <i>Lake &amp; Pond Management (aka - PSU Road Show) – Part III – How to Assess and Manage Fisheries in Ponds and Lakes</i> – Joe Gallagher, Ecological Solutions (B) <b><i>NEW NPDES Regulations for Aquatic Herbicides</i></b> – Joann Dunlap, Cygnet Enterprises*
4:00pm	Adjourn

\* Aquatic Pesticide Courses - Core credits & Category 09 credits are available for aquatic pesticide applicators for course noted on Thursday's agenda. Credits are also available for New Jersey, New York, and NALMS Certified Lake Managers. A minimum of six (6) Aquatic Pesticide Courses will be offered.

Updated agendas will be available on the PALMS website at [www.palakes.org](http://www.palakes.org).

# 2010 PALMS Conference Registration Form

*A separate form must be completed for each registrant. Photocopies are acceptable.*

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

## Conference Sessions and Fees\*:

Please check which sessions you plan to attend.

- |                                    |                          |           |   |
|------------------------------------|--------------------------|-----------|---|
| Wednesday Session                  | <input type="checkbox"/> | \$75      |   |
| Thursday Session                   | <input type="checkbox"/> | \$75      |   |
| Wednesday & Thursday Sessions      | <input type="checkbox"/> | \$125     |   |
| Students (per day)                 | <input type="checkbox"/> | \$20      |   |
| Exhibitors (commercial, both days) | <input type="checkbox"/> | \$175     | <i>(Includes 1 full conference registration &amp; benefits)</i> |
| Exhibitors (non-profit, both days) | <input type="checkbox"/> | No Charge | <i>(Exclusive of session fees)</i>                              |

**Total Amount Enclosed** \$ \_\_\_\_\_

\*All session fees include conference materials and a one-year membership to the Pennsylvania Lake Management Society. Session fees also include breakfast, break refreshments, lunch, and networking mixer (excluding cash bar). Lodging costs are not included in session fees.

Please make check or money order (sorry we cannot accept credit cards) payable to **PALMS** and mail (or fax) this form to The Pennsylvania Lake Management Society, P.O. Box 111, Huntingdon Mills, PA 18622, (fax: 570.864.3847).

For questions concerning registration, please contact Kerilynn Frey at 570.864.3847 or [kmfishfrey@hotmail.com](mailto:kmfishfrey@hotmail.com). For questions about conference content, please contact Jason Smith at 610.691.5644 ext. 220 or [jesmith@hanovereng.com](mailto:jesmith@hanovereng.com) or Joseph Gallagher at 570.788.1721 or [ecos@ptd.net](mailto:ecos@ptd.net).



## Lodging: Days Inn Penn State – 800.258.3297

When making reservations use the code CGPAL3. Rates: \$77 single/ double, \$87 Triple, \$97 Quad. Reservations must be made by Feb. 2, 2010 to guarantee room and to receive the group rate. All reservations received after this date will be honored on a space-available basis.



# *Photo Contest - 2010*



PALMS is sponsoring its eighth annual Photo Contest. The winners will be selected at the Annual PALMS Conference on March 3<sup>rd</sup> and 4<sup>th</sup>. You don't have to be present to win. There will be two prizes. The first place winner's winning photo will be used on the cover of next year's PALMS Conference Registration Brochure and will be featured on the PALMS website homepage. The second place winner's photo will be featured on the PALMS website homepage. Both photographs will be submitted to the North American Lake Management Society (NALMS) for potential use in their award winning LakeLine magazine.

The photos must be of or related to ponds and lakes in Pennsylvania. Judging will be through a ballot by those attending the PALMS conference.

## Submission Information:

- ❖ Print your name, address, affiliation, and location and title of photo on reverse of photo.
- ❖ Submit in either color or black & white
- ❖ Limit size to 8"x10" or 14"x17"
- ❖ MAIL submission to Jason Smith, c/o PALMS at Hanover Engineering Associates, Inc., 252 Brodhead Road, Suite 100, Bethlehem, PA 18017-8944
- ❖ Photos will become the property of PALMS and may be utilized in a variety of PALMS publications. Submission of a photo signifies permission for PALMS to use the material (with credit) as desired.

Photographs must be received via mail by 12PM on March 2, 2010 or hand delivered at the conference by 12PM on March 3, 2010.

# ***PALMS Lake Management Awards - 2010***

PALMS will present awards to recognize organizations and individuals that have contributed to PALMS and the science of lake and watershed management. These awards were established to encourage the advancement of the principle goal of PALMS, that being the development of partnerships among citizens, scientists, and professionals to foster the protection and management of lakes, ponds, and reservoirs. These awards are an excellent opportunity to recognize the many outstanding efforts of organizations and individuals.

Two awards will be presented this year at the PALMS Annual Conference in March. One award will be presented to an organization (association, municipality, corporation, or government agency) and one will be presented to an individual.

A single plaque will be given for each award, although additional certificates may be provided where several individuals are involved.

## ***Award Application***

Any individual or organization may submit an application to be considered for these awards. Applications should be submitted for organizations or individuals that have performed a variety of lake management activities including, but not limited to, developing or implementing a lake or watershed management program, organizing lake management efforts, developing or implementing educational programs relating to lake management, and developing a successful volunteer monitoring program.

To submit an application, please provide the following information:

1. Your name, title, mailing address, telephone number, and e-mail.
2. Full name of the nominee (or project), present position, organization or affiliation, mailing address, telephone number, and e-mail.
3. A 500-word (maximum), clear, concise, and complete description of the achievement to be recognized.
4. Electronic transmission of the nomination form and supporting materials is preferred; paper copies may be sent, but please send them early so that they can be converted to electronic format by the application deadline.

## **Deadline for Application – February 12, 2010**

Send or e-mail your application to:

Edward Molesky, c/o PALMS, P.O. Box 605, Doylestown, PA 18901 or 61 Quarry Road,  
Doylestown, PA 18901

E-mail address: [\*\*emolesky@aqualinkinc.com\*\*](mailto:emolesky@aqualinkinc.com)

Please contact Edward Molesky at the above address, by phone at 215.230.9325 or by e-mail, if you have any questions.



Pennsylvania Lake Management Society  
P.O. Box 111  
Huntington Mills, PA 18622

## HI-LIGHTS

- **Special Guest: Dr. Ken Wagner of AECOM**
- **Interactive Game: LAKE JEOPARDY – Are you smarter than a 5<sup>th</sup> grade lake owner???**
- **APPLICATOR CREDITS Available for PA, NJ, & NY during the Thursday Sessions**
- **Concurrent Sessions - Both Days**
- **Photo Contest - Get Your Photos on the PALMS Website**
- **Student/Research Papers**



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Days Inn Penn State  
State College, Pennsylvania