

# Washington State Lake Protection Association presents its 15<sup>th</sup> annual conference on *Lakes, Reservoirs and Watersheds* April 3 – 6, 2002 WestCoast Olympia Hotel, Olympia, Washington



## About Olympia and the hotel

WALPA's 15<sup>th</sup> annual conference will be held at the WestCoast Olympia Hotel in Olympia, Washington. Come early or stay late to enjoy the wide variety of cultural and recreational opportunities that our state capitol has to offer. Tour the magnificent Capitol building and campus, and stop by the State Capitol Museum. View wildlife at the Nisqually Delta, hike the three-mile trail in Burfoot Park, or go to a "howl-in" at WolfHaven. Visit the Olympia Farmers' Market, which is the second largest outdoor marketplace in the state and opens in April each year. Treat yourself to some excellent theater, galleries, and downtown shopping. For more information, contact the Olympia Thurston County Visitors Convention Bureau at [www.visitolympia.com](http://www.visitolympia.com) or call toll free 1-877-704-7500.

The WestCoast Olympia Hotel is located at 2300 Evergreen Park Drive in Washington's capitol city on a ridge overlooking Capitol Lake. The hotel has been recently remodeled and features 185 guest rooms and suites, high-speed internet access, full service restaurant and lounge, an outdoor swimming pool and spa, a fitness center, and complimentary parking. A limited amount of RV parking is available by reservation for \$15/day without hook-ups and \$35/day with hook-ups. **For more information, contact the hotel directly at 360-943-4000.**

To get to the hotel from Interstate 5: Take exit 104 to Highway 101. Take the Crosby Blvd./Cooper Point Road exit. Turn right on Cooper Point Road. Turn right on S. Evergreen Park Drive. Turn right into the Morris Business Park at Lakeridge Way, and drive straight to the hotel. Shuttles are available at SeaTac Airport by Capitol Aeroporter (\$25 one-way or \$45 round trip; phone 253-838-7431) and Centralia-SeaTac Airport Express (\$24 one-way or \$40 round trip; phone 360-786-0636).

## Hotel room reservations

The special rate offered for the WALPA conference is \$58 for a single or \$68 for a double (plus 10 percent tax). **Call 1-800-325-4000 to make your reservation. Reservations must be made by March 4, 2002 to get the special rates.**

## Wednesday, April 3, 2002

### **Hydrolab maintenance and calibration workshop (8 a.m. - noon)**

Here's a chance for you and/or your field technicians to get training on Hydrolab Multiprobe maintenance and calibration. T.J. Sisson from Electronic Data Solutions (EDS) will conduct the workshop from 8 a.m. to noon in the Puget Room. Please bring your own Hydrolab equipment. EDS will provide maintenance and calibration supplies. Register for the workshop by contacting EDS at [www.elecddata.com](http://www.elecddata.com) or call 208-324-8006. **Attendance is limited to 20 people.**

### **Lake monitoring software and equipment seminar (1 – 5 p.m.)**

Learn about the new Seveno LakeWatch and DataSight database management software for archiving and graphing water quality data, analyzing lake and reservoir trends, and providing a wide range of data reporting options.

T. J. Sisson from EDS will conduct the seminar from 1 to 5 p.m. in the Olympic Room. T.J. will also demonstrate features of various monitoring equipment including Hydrolab's DataSonde 4a, MiniSonde 4a, and Quanta family; EDS's cell phone telemetry system; and In-Situ's Mini-TROLL. As time permits, simultaneous collection of GPS and water quality data will be demonstrated using the Juniper Systems Allegro integrated with HydroPlus GPS software. Register for the seminar by contacting EDS.

### **Mike Brett presents WALPA slide show to local school**

Mike Brett will present the WALPA slide show to science classes at Komachin Middle School of the North Thurston Public Schools in Olympia. Mike is an associate professor at the University of Washington Department of Environmental Engineering and has presented the slide show to lake groups throughout Washington. The slide show is a great introduction to lake ecology, common water quality and aquatic plant problems, and the various sources and solutions to these problems. Call Paula Lowe at 360-491-0109 for information about presentation times.

### **Exhibit and poster set-up (9 a.m. – 5 p.m.)**

# WALPA Conference 2002 -- Preliminary Program

## **Thursday, April 4, 2002**

### **Registration (7:30 a.m. – 5 p.m.)**

Coordinator: Sharon Walton, Taylor Associates

### **Exhibits (7:30 a.m. – 5 p.m.)**

Coordinator: Dave Lamb, Coeur D'Alene Tribe

### **Posters (7:30 a.m. – 5 p.m.)**

Coordinator: Mike Brett, University of Washington

### **Photo Contest (7:30 a.m. – 5 p.m.)**

Coordinators: Gene Williams, Snohomish County Surface Water Management and Maggie Bell-McKinnon, Washington Department of Ecology

### **Plenary Session 1: Lake User Needs (8:30 – 10 a.m.)**

Moderator: Steve Butkus, Washington Department of Ecology

1. WALPA lake user survey results. Mike Brett, University of Washington
2. Joanna Buehler, Lake Sammamish
3. Robert Rothschilds, Lake Sawyer
4. Paula Lowe, Pattison Lake
5. Bill Shawl, Loon Lake

### **Break (10 – 10:30 a.m.)**

### **Session 1A: Lake Management Permits (10:30 a.m. – noon)**

Moderator: Kathleen Emmett, Washington Department of Ecology

1. "Aquatic pesticides permit management" by Kathleen Emmett, Washington Department of Ecology
2. "Alum policy in Washington" by Allen Moore, Washington Department of Ecology
3. To be announced

### **Session 1B: Sediment Toxicity (10:30 a.m. – noon)**

Moderator: Jim Gawel, University of Washington – Tacoma

1. "Sediment quality assessment of large urban lakes in King County" by Deb Lester and Dean Wilson, King County Department of Natural Resources
2. "The effects of copper on salmonid behavior" by Rachel Friedman, National Marine Fisheries Service
3. "Reassessment of toxicity of Lake Roosevelt sediments" by Brandee Era and Dave Serder, Washington Department of Ecology

### **Lunch (Noon - 1:30 p.m.)**

"The limnological recovery of Spirit Lake at Mount Saint Helens" by Doug Larson, Portland State University (12:20 – 1 p.m.).

### **Session 2A: Capitol Lake - You've Come a Long Way Baby (1:30 – 3 p.m.)**

Moderator: Steven W. Morrison, Thurston Regional Planning Council

1. "Capitol Lake adaptive management plan" by Steven W. Morrison, Thurston Regional Planning Council
2. "Completing the vision - Heritage Park" by David H Schilperoot, Washington Department of General Administration
3. "Lake restoration or return to an estuary?" by Sue Patnude, Wash. Department of Fish and Wildlife

### **Session 2B: Stream Water Quality (1:30 – 3 p.m.)**

Moderator: Kurt Marx, Taylor Associates

1. "Pesticides in the Puget Sound basin: detections and concentrations in surface water, ground water, and fish tissue" by Sandra Embrey, U.S. Geological Survey
2. "Stream monitoring methods for estimating phosphorus loads: strategies for capturing extreme events" by John Lenth, Herrera Environmental Consultants
3. To be announced

### **Break (3 – 3:30 p.m.)**

### **Session 3A: Soap Lake (3:30 – 5 p.m.)**

Moderator: Tony Whiley, Wash. Dept. of Fish and Wildlife

1. "Soap Lake limnology" by Anthony Gabriel, Central Washington University
2. "Microbiology of Soap Lake" by Holly Pinkart, Central Washington University
3. "Nonpoint source pollution effects on the microbiology of Soap Lake" by Brent Peyton, Washington State University
4. "Soap Lake, national treasure" by John Glassco, Soap Lake Conservancy

### **Session 3B: Shoreline Habitat (3:30 – 5 p.m.)**

Moderator: Debra Bouchard, King County Department of Natural Resources

1. "Lakeshore restoration" by Tom Kahler, The Watershed Company
2. "Constructing instream habitat" by Tom Smayda, Smayda Environmental Associates
3. "Fish use of habitats associated with wetland rehabilitation breakwaters" by Jena Lemke (presenter) and Leo Bodensteiner, Western Wash. Univ. and Anthony Gabriel Central Wash. University

### **Hospitality Social (5 – 7 p.m.)**

Come share the good food, spirits, and conversation with fellow WALPA members in the exhibit and poster room, thanks to the generous donations by conference exhibitors.

# WALPA Conference 2002 -- Preliminary Program

## **Friday, April 5, 2002**

### **Registration, Exhibits, Posters, and Photo Contest (7:30 a.m. – 5 p.m.)**

### **Plenary Session 2: Lake Management – What Road to the Future? (8:30 – 10 a.m.)**

Moderator: Harry Gibbons, KCM/Tetra Tech

Panel Members:

1. Allen Moore, Washington Department of Ecology
2. Loren Stern, Washington Department of Natural Resources
3. Various county and local representatives to be announced

### **Break (10 – 10:30 a.m. in Room D)**

### **Session 4A: Aquatic Nuisance Species (10:30 a.m. – noon)**

Moderator: Kathy Hamel, Washington Department of Ecology

1. “Aquatic plants to watch out for” by Jenifer Parsons, Washington Department of Ecology
2. “Aquatic nuisance critters: zebra mussels, mitten crabs, and water fleas” by Pam Meacham, Washington Department of Fish and Wildlife
3. “An overview of state, regional, and national aquatic nuisance species programs” by Scott Smith, Washington Department of Fish and Wildlife

### **Session 4B: Cyanobacterial Toxicity and Dynamics (10:30 a.m. – noon)**

Moderator: Jean Jacoby, Seattle University

1. “To bloom or not to bloom: the mystery of cyanobacterial toxicity in Lake Sammamish” by Jean Jacoby, Seattle University
2. “Scum ecostrategists: identity crisis in Washington lakes” by Chuck Williams, University of Washington
3. To be announced

### **Lunch (Noon - 1:30 p.m.)**

“Nature’s Splendor at Loon Lake” by Daniel Poleschook Jr. and Ginger Gumm (12:15 – 12:45 p.m.)

WALPA Business Meeting (12:45 – 1:15 p.m.)

### **Session 5A: Macrophyte Management (1:30 – 3 p.m.)**

Moderator: Terry McNabb, Aquatechnex

1. “Aquatic plant mapping technologies, getting the information you need to manage” by Doug Henderson, ReMetrix, LLC
2. “New technologies for the use of aquatic herbicides to manage aquatic weeds” by Terry McNabb, Aquatechnex, Inc.
3. “Integrated aquatic vegetation management planning and the aquatic weeds management fund” by Kathy Hamel, Wash. Department of Ecology

### **Session 5B: Lake Water Quality (1:30 – 3 p.m.)**

Moderator: Robin Matthews, Western Washington University

1. “Water quality trends in small King County lakes” by Sally Abella, King County Department of Natural Resources
2. “The accumulation of organic compounds by phytoplankton” by Shannon Ashurst, Western Washington University
3. To be announced

### **Break (3 – 3:30 p.m.)**

### **Session 6A: Goose Management (3:30 – 5 p.m.)**

Moderator: Jonathan Frodge, King County Department of Natural Resources

1. “Urban goose management in Washington” by Roger Woodruff, U.S. Department of Agriculture
2. “An update on bacterial pollution in King County lakes, streams, and beaches” by Jonathan Frodge, King County Department of Natural Resources
3. “Management and control of resident Canada geese in South Sound” by Jim Sheler, City of Lacey Department of Parks

### **Session 6B: Mountain Lakes (3:30 – 5 p.m.)**

Moderator: Kent Easthouse, Herrera Environmental Consultants

1. “Waldo Lake, Oregon: eutrophication of an ultraoligotrophic high-mountain lake” by Doug Larson, Portland State University
2. “Effects of ultraviolet radiation on amphibians” by Wendy Palen, University of Washington
3. Abundances of northwestern salamander larvae in montane lakes with and without introduced fish, Mount Rainier National Park” by Robert Hoffman (presenter) and Gary Larson, U.S. Geological Survey
4. “Temporal variations of the taxonomic structures of phytoplankton and zooplankton assemblages in mountain lakes, Mount Rainier National Park” by Gary Larson (presenter) and C. David McIntire, U.S. Geological Survey.

## **Saturday, April 6, 2002**

### **Session 7: Lake Resident Panel (8:30 – 10 a.m.)**

“Achieving your goals: techniques for lake associations to increase involvement and make progress on lake protection efforts”

Moderator: Lee Mellish, Liberty Lake Sewer District

Panel members to be announced

### **Break (10 – 10:30 a.m.)**

### **Session 8: Lake Resident Reports (10:30 a.m. – noon)**

Moderator: Dave Lamb, Coeur D’Alene Tribe

Presentations to be announced

## Enter WALPA's photo contest

At this year's conference, WALPA is holding a photo contest. We would like you to submit your favorite lake photo(s) for judging by the conference attendees. Fabulous prizes will be awarded to the photos with the most votes.

### Contest rules

- Any photo subject is allowed as long as it relates to lakes.
- Only unframed photographic prints or computer prints.
- Sizes 8x10 or smaller will be accepted.
- Limit of five entries per person.
- All photos will be returned, but by submitting your photo to this contest, you are giving WALPA permission to reprint your photo in publications, presentations, or the WALPA web site. You will receive photo credit with each use.

The deadline for photo submittal is April 1, 2002 by mail or in person by 10 a.m., April 4, 2002 at the conference. Mail entries to:

Gene Williams, WALPA Secretary  
Snohomish County Surface Water Management  
2731 Wetmore Avenue, #300  
Everett, WA 98201

The decision of the judges will be final, but all bribes will be welcome.

## WALPA conference registration fee

The full conference fee includes a one-year membership to WALPA, attendance to all sessions, lunches on Thursday and Friday, refreshments during breaks, and the Thursday evening hospitality social sponsored by the conference corporate exhibitors. The one-day conference fee includes a one-year membership to WALPA and session attendance, lunch, and refreshments for either Thursday or Friday.

Conference fees are \$120 for full registration, \$60 for one day (Thursday or Friday). After March 15, conference fees increase to \$140 for full registration and \$70 for one day. At any time, conference fees for students are \$60 for full registration and \$30 for one day. The Saturday session is free to all.

The Wednesday morning workshop and afternoon seminar are free to paid conference attendees and WALPA members. **To register for the workshop and seminar, contact Electronic Data Solutions at [www.elecdata.com](http://www.elecdata.com) or phone 208-324-8006.**

**For questions regarding the conference, call Rob Zisette at 206-441-4908 ext. 116 or WALPA's toll-free number at 1-800-607-5498.**

### Register today for the April 2002 WALPA conference Complete this registration form, enclose a check and mail it today!

Name \_\_\_\_\_ Lake affiliation \_\_\_\_\_

*Please print*

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Phone (day) \_\_\_\_\_ Phone (eve) \_\_\_\_\_

Fax \_\_\_\_\_ E-mail \_\_\_\_\_

Registering for: Full conference: \_\_\_\_\_ Thursday: \_\_\_\_\_ Friday: \_\_\_\_\_ Saturday: \_\_\_\_\_

#### Full conference: Registration fee enclosed

\$120 by March 15 \$120 \_\_\_\_\_

\$140 after March 15 \$140 \_\_\_\_\_

#### One day (Thur. or Fri.):

\$60 by March 15 \$ 60 \_\_\_\_\_

\$70 after March 15 \$ 70 \_\_\_\_\_

#### Student rates:

\$60 full conference \$ 60 \_\_\_\_\_

\$30 one day (Thur. or Fri.) \$ 30 \_\_\_\_\_

**Complete the registration form, enclose it with your check payable to WALPA and mail to:**

**WALPA  
PO Box 4245  
Seattle, WA 98104**