

Washington State Lake Protection Association

presents

14th Annual Conference on Lakes, Reservoirs, and Watersheds with a Special Focus on Federal Initiatives Shilo Inn, Spokane, Washington

Wednesday, April 4, 2001— Hydrolab Calibration Workshop
April 5-7, 2001 — Conference

Welcome to the annual WALPA conference

On behalf of WALPA's Board of Directors, I welcome you to our 14th annual conference. We are continuing our tradition of holding our annual conference on the east side of the state on alternating years with the west side.

I would especially like to thank our speakers who have volunteered to talk to you about emerging lake trends and other lakes' issues. These experts have spent many hours researching, testing, analyzing data, preparing their reports, and finally, presenting their results to you at this conference.

With these limnologists, professors, and officials close by, talk to them about their research findings, about the problems you have encountered, and ask about solutions. Whether it's at one of our lunches or during the Thursday night social time, or a break, be sure to talk to one another. It's a great opportunity to learn more about lake research, new issues, and solutions.

Thanks for coming!
President-elect Steve Butkus

Thanks to our exhibitors

Electronic Data Solutions

SePRO Corporation

King County

AquaTechnex/RMI

Washington State
Department of Ecology

**Thanks to our
conference coordinators**

President-elect Steve Butkus, Ecology

Board member Dave Lamb,
AquaTechnex/RMI

WALPA Board of Directors

WALPA Conference 2001

Wednesday, April 4

9 a.m.- Noon Hydrolab Maintenance and Calibration Workshop by T. J. Sisson, Electronic Data Solutions

Noon- 1 pm Lunch

1:00-2:00 p.m. Total Dissolved Gas by Mark Gunter and John Lemons, Columbia Basin Environmental

3:00-4:00 p.m. Hydrolab Maintenance and Calibration Workshop by T. J. Sisson, Electronic Data Solutions

Thursday, April 5

8:00 a.m.-5:00 p.m. Registration, Diamond room

9:00 – 10:00 a.m. Plenary Lecture: Total Maximum Daily Loads by Laurie Mann, USEPA

10:00 – 10:30 a.m. Break, Diamond room. Refreshments courtesy of SePRO Corporation.

10:30 a.m.– Noon

1A: Pend Oreille room

1B: Coeur d'Alene Room

Lakes from Excessive Nutrient Loading

Moderator: Ralph Vaga, USEPA

- 1) "Status of nutrient criteria development: National and regional perspectives" by Ralph Vaga, USEPA
- 2) "Establishing nutrient criteria for EPA Region 10 lakes" by Mark Rosenkranz, Portland State University
- 3) "Boater knowledge about aquatic invasive species: Results of a survey in Oregon, Wyoming, Montana, and Idaho" by Mark Sytsma and Ryon Edwards, Portland State University, and Stephen Phillips, Pacific States Marine Fisheries Commission

Session 1B: Coeur d'Alene Lake Studies

Moderator Paul Woods, USGS

- 1) "Transport of mining-associated contaminants in the Spokane River basin" by Mike Beckwith, U.S. Geological Survey, Sandpoint, ID
- 2) "Transport of water-quality constituents from Coeur d'Alene Lake to the Spokane River" by Paul Woods, U.S. Geological Survey, Boise, ID
- 3) "An evaluation of ecological indicators in the Spokane River, Idaho and Washington, 1998-99," by Terry Maret, U.S. Geological Survey, Boise, ID

Noon – 1:30 p.m. Lunch, Diamond room

Lunch Guest Speaker: "Lake Tahoe: The role of science and policy through four decades of evolving management" by Charles Goldman, University of California, Davis



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Thursday, April 5

1:30 – 3:00 p.m.
2A: Pend Oreille room

Session 2A: Lake Management, Moderator:
Robin Matthews, Western Washington University

- 1) “Resource management issues in a hypereutrophic midwestern lake system” by Leo Bodensteiner, Huxley College, Western Washington University and Anthony Gabriel, Department of Geography and Land Studies, Central Washington University
- 2) “The role of constructed and natural wetlands in water quality improvement and lake management” by John Rybczyk, Huxley College, Western Washington University
- 3) “Can lakes really be managed for multiple uses?” by Mike Hilles, IWS, Western Washington University

2B: Coeur d’Alene room

Session 2B: Watershed Studies
Moderator: Jory Oppenheimer, HDR, Inc.

- 1) “The need for process-based landscape-scale assessment in recovery planning” by Susan Grigsby, Ecology
- 2) “Spokane River and Long Lake water quality assessment and TMDL Study” by Bob Cusimano, Ecology
- 3) “Development of a TMDL implementation plan for Cascade Reservoir phosphorus load reduction” by Dave Clark, HDR, Inc.

3:00 – 3:30 p.m. Break, Diamond room. Refreshments courtesy of Electronic Data Solutions.

3:30 – 5:00 p.m.
3A: Pend Oreille room

Session 3A: Bacterial Contamination Studies
Moderator: Jon Frodge, King County

- 1) “Proposed changes in bacteria standards for surface waters in Washington State” by Kathleen Emmett, Ecology
- 2) “Urban Water: Bacteria in Streams, Lakes, and Beaches” by Jon Frodge, King County
- 3) “Tracking sources of fecal contamination using genetic fingerprinting” by Rob Zisette, Herrera Environmental Consultants

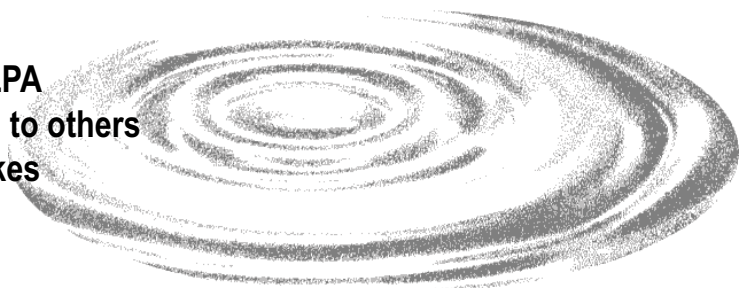
3B: Coeur d’Alene room

Session 3B: Aquatic Plant Studies
Moderator: Allen Moore, Ecology

- 1) “Salt Cedar – Controlling a noxious, invasive threat to arid lakes and streams” by Roger Nelson, Washington Fish & Wildlife
- 2) “Milfoil Control: Unique methods and experiments” by Doug Freeland, Kootenai County, ID
- 3) “Enhancing recreational fishing with aquatic herbicides – Kress Lake” by Stacie Kelsey, Washington Fish & Wildlife

6:00 to 9:00 p.m. Hospitality social, Exhibits area, Diamond room.
Finger food and beverages will be available, courtesy of the conference exhibitors.

Be sure to pick up a couple of WALPA membership brochures; give them to others who are interested in protecting lakes



WALPA Conference 2001

Friday, April 6

8:30 a.m.-5:00 p.m. Registration, Diamond room

9:00 –10:00 a.m. Plenary Lecture: “Environmental Attitudes: How did we get here?” by Ken Bevis, Washington Fish & Wildlife, Pend Oreille room

10:00 – 10:30 a.m. Break, Diamond room. Refreshments courtesy of King County

10:30 a.m. – Noon

1A: Pend Oreille room

1B: Coeur d’Alene room

Session 1A: Lake management under the Endangered Species Act

Moderator: Kitty Nelson, National Marine Fisheries Service

- 1) “The future isn’t what it used to be - Changes in the U.S. Army Corps of Engineers regulatory program in response to the Endangered Species Act” by Evan Lewis, U.S. Army Corps of Engineers Seattle District
- 2) “Lake Washington - Lake habitat and the Endangered Species Act” by Kitty Nelson, Thomas Sibley, both of the National Marine Fisheries Service
- 3) “Incorporating a consideration of fish into shoreline development” by Tom Kahler, The Watershed Company, Kirkland, WA

Session 1B: Stream Bioassessment

Moderator: Chad Wiseman, Ecology

- 1) “Northwest stream bioassessment and the importance of pursuing regional standards” by Jeff Adams, The Xerces Society
- 2) “Salmonweb: volunteer biological monitoring and data distribution” by Cici Kelling, Salmonweb
- 3) “Stream Biomonitoring Activities at Ecology” by Glenn Merritt and Chad Wiseman, Ecology

Noon-1:30 p.m. WALPA Business Lunch, Pend Oreille room

1:30 – 3:00 p.m.

2A: Pend Oreille room

2B: Coeur d’Alene room

Session 2A: Effects of Urbanization on Habitat

Moderator: Eugene Welch, University of Washington

- 1) “Relation between lake shore development and woody debris” by Dave Christiansen, Jefferson County
- 2) “The impact of urban and rural land use on stream nutrient concentrations in the Seattle region” by Sara Stanley, University of Washington
- 3) “A preliminary analysis of nutrient induced pH spikes in the White River” by Derek Stuart, University of Washington
- 4) “The impact of riparian buffer width on surface and ground water nutrient removal” by Stephanie Brock, Ecology

Session 2B: Integrated Aquatic Plant Management

Moderator: Kathleen Emmett, Ecology

- 1) Manual methods and partial herbicide treatment for Eurasian Watermilfoil control” by Gene Williams, Snohomish County
- 2) “A historical review of Integrated Pest Management on Long Lake” by Jim Bachmeier, Thurston County
- 3) “Integrated Pest Management Planning” by Kathleen Emmett, Ecology

WALPA Conference 2001

Friday, April 6 *continued*

3:00 – 3:30 p.m. Break, Diamond room. Refreshments courtesy of AquaTechnex/RMI

3:30 – 5:00 p.m.
3A: Coeur d'Alene room

3B: Pend Oreille room

Session 3A: Volunteer Monitoring Moderator:
Maggie Bell-McKinnon, Ecology

- 1) "The NatureMapping Program – A statewide repository for environmental data" by Karen Dvornich, University of Washington
- 2) "The challenges of protecting a lake" by Margo Wolfe, Newman Lake Protection Society
- 3) "Monitoring Liberty Lake" by Scott Sutherland and students, University High School, Spokane

Session 3B: Lake Roosevelt Studies

Moderator: Gary Passmore, Confederated Colville Tribes and Lake Roosevelt Water Quality Council

- 1) "Lake Roosevelt fisheries evaluation program" by Monte E. Miller, Confederated Colville Tribes
- 2) "Status and recovery of White Sturgeon in the upper Columbia River" by Colin Spence, BC Ministry of Environment
- 3) "Proposed contamination studies of Lake Roosevelt" by Donald Hurst, Fulcrum Environmental Consulting, Inc.

Saturday, April 7

8:00 a.m.-9:00a.m. Registration, Diamond room

8:30 a.m.-Noon Lake Association Meeting, Moderator: David Lamb, Resource Management, Inc.
Pend Oreille room

8:30 - 8:50 a.m.

WALPA slide show and presentation
by Mike Brett, WALPA President

8:50 - 9:10 a.m.

"Lake stewardship & organizational help for lake groups"
by Sharon Walton, King County Limnologist

9:10 - 9:30 a.m.

"New shorelines regulations and issues with county adoption"
by Doug Pineo, Ecology

9:30 - 9:50 a.m.

"Aquatic plant management plans"
by Nancy Weller, Ecology

10:15 - 10:45 a.m.

"Loon Lake accomplishments: LMD, wetland protection, fish net pens, etc."
by Jim Richardson and Bill Shawl

10:45 a.m.- Noon

Round table discussion of issues of interest
Moderators Jerry Numbers, Lee Mellish

9:50 10:15 a.m. Break, Diamond room. Refreshments courtesy of Ecology

Thanks for coming! Have safe trip home.