

WASHINGTON STATE LAKE PROTECTION ASSOCIATION

Welcome to the 23rd
Annual Conference



September 9-10, 2010
University of Washington, Tacoma, WA

21st Century Techniques for Protecting Our Lakes & Streams

Business Meeting Agenda

- 1) **Introduction** – Jacob McCann
- 2) **Scholarship Awards** – Dr. Frank Wilhelm
- 3) **Retiring Board Members and Past-President** – Jacob McCann
- 4) **Announcing New Board Members** – Beth leDoux
- 5) **WALPA Goals in 2011** – Beth leDoux
- 6) **NALMS/ WALPA Conference 2011** – Bijay Adams

Look Forward into 2011

NALMS and WALPA Conference Combined in 2011

The theme of the 2011 conference is “*Diverse and sustainable lake management*” to be held in Spokane from October 23rd through the 27th, 2011 at the Spokane Convention Center. The Doubletree Downtown hotel will be hosting the event. WALPA will have one day during the conference set aside for special sessions and the WALPA business meeting. For more information please contact Bijay Adams at bijay@libertylake.org or (509)922-5443 ext 230.

Legislative

WALPA will be heading back down to Olympia again this January to reintroduce the phosphorus lawn fertilizer restriction bill. The 3rd annual Lakes Day will also be held in January. Please come down for Lakes Day as it's a great way to see other WALPA members, visit your elected officials in Olympia and get to know them. Stay tuned for more news and you can always check the WALPA website for the latest and greatest information www.walpa.org/legislation.

Conference Special Events

Photo Contest

Remember to vote for the best photo in the photo contest located in the Columbia Bank Gallery. The winner of the contest will receive a \$50 gift certificate to Amazon. Go vote!

No Host Social

Please join us after the conference on Thursday night at Harmon Brewery located at 1938 Pacific Ave S. Come and hang out with fellow WALPA members and talk shop (or not). Light appetizers will be served.

Field Trip

Come along and see management in action as we tour Tacoma and look at the great stormwater implementation and LID projects around the city. Talk to board member Chris Burke to get more details and reserve your spot.

Remember your Recertification Credits

Recertification credits are available for the Aquatic plants/ Animals Sessions Session **1B and 4A**. By attending both sessions you will get two recertification credits toward maintaining your herbicide applicator license.

Follow WALPA on facebook

Keep up to date with WALPA projects, news and alerts as well as sharing your lakes photos, news and ideas with other fans of WALPA.

www.facebook.com/pages/WALPA/436621190103

21st Century Techniques for Pro

WALPA's 23rd Annual Session 9

Thursday, September 9th

Registration: 7:00 – 8:30

Plenary Session: 8:30 – 10:00

Milgard Assembly Room

- **Curtis Hinman**, Associate Professor with Washington State University Extension and Affiliate Faculty with WSU Department of Natural Resource Sciences.

Break: 10:00 – 10:30

Session 1: 10:30 – 12:00

Session 1A: Low Impact Development

- **Session Chair: Marisa Burghdoff**, Snohomish County
- **Speakers:**
 - **Len Zicker**, FASLA, AICP, LEED AP, Principal, AHBL Inc., Spokane, WA, *"LID Applications in Arid Climates – Directions for Eastern Washington"*
 - **Bob Spencer**, Seattle Public Utilities, *"Lessons Learned in the Development of the Seattle Rainwise Program – A Residential Rebate Program for Control of Combined Sewer Overflows."*
 - **Wayne Carlson**, AICP, LEED AP, Associate Principal, AHBL Inc., Tacoma, WA, *"Removing Regulatory Barriers to the Implementation of LID in Your Community"*

Session 1B: Aquatic Plants / Animals

- **Session Chair: Kelly McLain**, Washington Department of Agriculture
- **Speakers:**
 - **Jeanne Ring**, Pierce County Noxious Weed Board, *"Variable Leaf Milfoil Eradication Efforts in Pierce County Lakes"*
 - **Jenifer Parsons**, Department of Ecology, *"Flowering Rush in Washington State"*
 - **Curt Carpenter**, Moses Lake Irrigation and Rehabilitation District, *"An Interagency Approach to Aquatic and Riparian Plant Management in Moses Lake, Washington"*

Lunch: 12:00 – 1:30

Session 2: 1:30 – 3:00

Session 2A: Long Term Monitoring Programs

- **Session Chair: Sally Abella**, King County Water and Land Resources
- **Speakers:**
 - **Arni Litt**, University of Washington Department of Biology, *"Changes in Zooplankton in Lake Washington Over Time"*
 - **Jacob McCann**, Newman Lake Flood Control Zone District, *"Long Term Winter Monitoring in Spokane County"*
 - **Moya Joubert**, City of Seattle Public Utilities, *"Recent Changes in Lakes and Reservoirs in Seattle's Drinking Water System"*

Session 2B: Fish Work

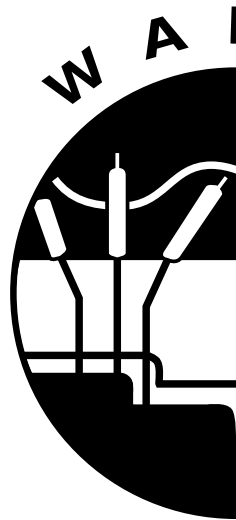
- **Session Chair: Dustin Hinson**, Landau Associates
- **Speakers:**
 - **Keith Underwood**, HDR, *"Status of Kokanee on Lake Sammamish"*
 - **Chris Sergeant**, Tacoma Power, *"Fisheries Programs at the Cushman Hydroelectric Project"*
 - **Shaun Milton**, Electronic Data Systems, *"New Optical Dissolved Oxygen Technology Revolutionizes Aquaculture Industry"*
 - **Dr. Barry Moore**, Washington State University, *"Fish Habitat Use in Twin Lakes After Hypolimnetic Oxygenation"*

Break: 3:00 – 3:30

Session 3: 3:30 – 5:00

Session 3A: Centennial Fund Projects

- **Session Chair: Bijay Adams**, Liberty Lake Sewer and Water District
- **Speakers:**
 - **Jacob McCann**, Newman Lake Flood Control Zone District, *"Long Term Lake Restoration Utilizing WA State Water Quality Funds, Newman Lake, WA"*
 - **Beth leDoux**, King County Water and Land Resources - Cottage Lake, *"Community Oriented Phosphorus Reduction Project on Cottage Lake"*
 - **Bijay Adams**, Liberty Lake Sewer and Water District, *"A Historical Clean Lakes Program Restoration Success, Liberty Lake, WA"*



Protecting Our Lakes and Streams

Annual Conference

Schedule

- **Kim McKee**, Washington Department of Ecology, *“A Review of Washington State’s Clean Lake Program”*

Session 3B: Student Presentations

- **Session Chair: Dr. Frank Wilhelm**, University of Idaho
- **Speakers:**

- **Tim Caldwell**, Department of Fish and Wildlife Resources, University of Idaho, *“The Role of the Freshwater Opossum Shrimp (*Mysis diluviana*) in the Nutrient Cycling and Food Web Dynamics of a Large Oligotrophic Lake in Northern Idaho”*
- **Mary Sutton Carruthers**, Huxley School of the Environment, Western Washington University, *“Comparison of Salmon Nutrient Movement and Assimilation Using Carcasses and Analogs”*
- **Eric R. Larson**, School of Aquatic and Fishery Science, University of Washington, *“Does a Crayfish Equal a Crayfish? Functional Differences Between Native and Invasive Species in Washington Lakes”*

No-Host Reception: 6:00 – On

Social: Harmon’s Brewery

- Unwind and network at our WALPA social happening at Harmon’s Brewery with no-host bar

Friday, September 10th

Registration: 7:00 – 8:00

Session 4: 8:00 – 9:30

Session 4A: Aquatic Plants/Animals

- **Session Chair: Jonathan Frodge**, City of Seattle
- **Speakers:**
 - **Dr. Julian Olden**, University of Washington, *“Bioeconomics of Milfoil”*
 - **Jon Jennings**, Washington Department of Ecology, *“Aquatic Plant and Algae NPDES Permit Update”*
 - **Katie Messick**, King County Noxious Weed Board, *“How to Identify Noxious Weeds”*

Session 4B: Stormwater

- **Session Chair: Chris Burke**, City of Tacoma

- **Speakers:**

- **Rebecca Dugopolski**, Herrera Environmental Consultants, *“Filterra System Performance Monitoring in Washington State: Expanding our Toolbox for Enhanced Treatment and Reducing Irreducible Pollutant Concentrations”*
- **Lauren McIntire**, Landau Associates
- **Chris Burke**, City of Tacoma, *“Stormwater Loading and Long-detention Treatment Efficiency in a Residential Watershed, Tacoma, WA”*

Break: 9:30 – 10:00

Session 5: 10:00 – 12:00

Cyanobacteria

- **Session Chair: Beth leDoux**, King County Water and Land Resources
- **Speakers:**
 - **Harry Gibbons and Dr. Gene Welch**, Tetra Tech Consulting, *“Response of DO Deficit (AHOD) to Changes in Phosphorus input”*
 - **Gayle Garman**, Friends of Green Lake, *“Algae Study on Green Lake in Seattle”*
 - **Terry McNabb**, Aquatechnex, *“Using Satellite Technology to Monitor Cyanobacteria, Phosphorus and Other Water Quality Parameters”*
 - **Rob Zisette**, Herrera Environmental Consultants, *“Cyanobacteria Bloom Control in Lake Steilacoom, Washington Using Algicides, Solarbee, Calcium Hydroxide, and Alum”*
 - **Marisa Burghdoff / Gene Williams**, Snohomish County Surface Water Management, *“Adventures in Toxic Algae Monitoring - Lessons Learned from Three Snohomish County Lakes”*

Lunch: 12:00 – 1:30

Tacoma Stormwater / LID Work Presentation

Tour Tacoma: 1:30 – 4:00

Tour Tacoma with Chris Burke – Lake Management in Action!

- **Bus circular between library and hall**



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WALPA's 23rd Annual Conference

Sponsored By:



With Session Sponsors:



WALPA CONFERENCE SCHEDULE 2010 Milgard Assembly Room (MAR) Columbia Bank Gallery (CBG) Jane T Russell Commons (JTR)	THURSDAY		FRIDAY	
	8:30 - 10:00 am - Plenary Session MAR	10:00 - 10:30 am - Break CBG	10:30 - Noon - Session 1 1A - Low Impact Development MAR	1B - Aquatic Plants/Animals JTR
1:30 - 3:00 pm - Session 2 2A - Long Term Monitoring Programs MAR	2B - Fish Work JTR	3:00 - 3:30 pm - Break CBG	3:30 - 5:00 pm - Session 2 3A - Centennial Fund Projects MAR	3B - Student Presentations JTR
6:00 - On Social • Harmon's Brewery	8:30 - 10:00 am - Session 4 4A - Aquatic Plants/Animals MAR	4B - Stormwater JTR	10:00 - 10:30 am - Break CBG	10:30 - Noon - Session 5 Cyanobacteria MAR
Noon - 1:30 pm Lunch • MAR	1:30 - 4:00 pm - Tour Tacoma Tour Tacoma with Chris Burke Bus circular between library and hall			