

WAPMS 2013 Conference: Lovely Coeur D'Alene



Our Conference Resort for 2013

President's Message
Mark Sytsma, WAPMS President

If you are like me you all are enjoying the lengthening days that we are experiencing. Spring is just around the corner, and with it comes the awakening of all those aquatic plant propagules in our western ponds, lakes, irrigation canals, and rivers. Maybe it's also awakening in you a yearning to brush up on your aquatic plant management skills. If so, you need to meet with us on March 25-27 in Coeur d'Alene for the annual Western Aquatic Plant Management Conference. Cody Gray, our Vice President and Program Chair, has put together a very informative agenda for the meeting that will

update you with the latest aquatic plant management technologies and research on aquatic plant biology and ecology.

We conducted a survey of our membership after the meeting last year in San Diego and the results were encouraging to those of us on the board that work long and hard to put the meeting together. About 80% of the respondents were satisfied or very satisfied with the speakers, 14% were neutral, and 6% didn't attend the meeting so couldn't respond to the question – all-in-all a very good endorsement of the quality of the material reported at the meeting. The online registration process was highly appreciated by the members, so we are doing the same

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thing again this year; it makes registration simple and efficient. A pre- or post-meeting field trip was endorsed by 80% of the respondents. Although we haven't been able to arrange a field trip for this year's meeting, it is something we will consider in the future. Just over three-quarters of the respondents thought that expanding the subject matter covered at the meeting to include aquatic invasive species other than plants was a good idea.

We also asked about preferences for meeting location. The top-ten finishers were (in order of preference): Reno, Las Vegas, Seattle, Spokane, San Francisco Bay area, Salt Lake City, San Diego, Portland, Phoenix, and Bozeman. Lucky for our members, the meeting in 2014 will be in Reno. As we plan our meeting locations in the future we will keep these preferences in mind. If you have a particular interest in meeting someplace please let one of your board members know, especially if you are willing to help with local arrangements. Easy access by air and an inexpensive venue are key requirements for a meeting location. Obviously, from the results of our survey, gambling opportunities also seem to be important to many of our members.

As always, the board values your input on how the WAPMS can be of value and service to our members. Please don't hesitate to contact a board member with suggestions. I also encourage you to volunteer to serve on the board of directors. Service on the board is of tremendous value to the society and a professionally fulfilling experience. I look forward to seeing you in Coeur d'Alene.

Notes on the 2013 Program Cody Gray, Vice-President and Program Chair

In March 2013, the Western Aquatic Plant Management Society annual conference will be coming to the City of Coeur d'Alene. The Coeur d'Alene Visitors Bureau website has plenty of photos and information that amply shows the true beauty of the Coeur d'Alene and surrounding areas (see <http://www.coeurdalene.org/>). Located approximately 20 miles east of Spokane, WA (and the nearest international airport), Coeur d'Alene (pronounced 'cur-da-lane' and named after the Coeur d'Alene people) is a lakefront resort community in one of the prettiest settings in the West. Located in northern Idaho, the region is defined by blue skies, sparkling water and pine-forested mountains.

With natural beauty and upscale appeal, Coeur d'Alene draws visitors from all over the world. They find a place of intriguing contrasts: five-star amenities in a rugged setting, quiet getaways and exciting attractions, four-season beauty and recreation, and a number of interesting things to do.

The program for the 32nd Annual WAPMS Conference is in its final stages of development (draft Program is attached to end of newsletter). The keynote address will be given by Tom Myrum, Executive Director of the Washington State Water Resources Association, on the double permitting issues surrounding NPDES permit requirements. Additionally, there will be a special mini-symposium regarding flowering rush, one of the newest invasive species spreading and infesting many waters in the northern parts of the WAPMS community. There are many other presentations scheduled including Eurasian

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watermilfoil operational control programs, algae control and various non-chemical control measures implemented in aquatic environments.

Continuing education (CE) credits are being obtained for most all states in the WAPMS area. If interested in a particular state's CE credits, please don't hesitate to contact me. I hope that you will join us in beautiful northern Idaho for the upcoming annual meeting. I think it will be a great conference location and agenda. I'm looking forward to visiting with you in the near future.

Hotel Information **32nd Annual WAPMS Conference** **March 25 – 27, 2013** **Coeur d'Alene Resort ~ Coeur d'Alene,** **Idaho**

This year, we welcome you to join us at the Coeur d'Alene Resort for the 32nd Annual WAPMS Conference. The resort is located on Coeur d'Alene Lake. You can take a video tour of the resort at their website at www.cdaresort.com.

Reservations:

The conference room rate is \$119 for a deluxe room and \$139 for a premier room. Room descriptions can be found on the resort website. It's best to reserve a room by calling the reservation desk at 1-800-688-5253. Be sure to ask for the WAPMS group to get the low discount rate. **The final date for this guaranteed rate is February 22, 2013**, so be sure and make your reservations as soon as possible!

Location & Directions:

Coeur d'Alene is located in northern Idaho approximately 31 miles east of Spokane, Washington and 100 miles south of the Canadian border. The Resort overlooks Lake

Coeur d'Alene flanked by the foothills of the Bitterroot Mountains.

Traveling by Air:

The Coeur d'Alene Resort is located 40 minutes east of the Spokane International Airport, offering non-stop or one-stop access from most major US and Canadian cities. The Coeur d'Alene Air Terminal is available for corporate and private aircraft. Airport limousine service is available from both the Spokane and Coeur d'Alene facilities with advance reservations.

Traveling by Car:

The Coeur d'Alene Resort is easy to reach by automobile via Interstate 90 (Exit 11) or Highway 95 (Northwest Blvd). From the exit, follow the directions to downtown and watch for the Resort on your right. For a more detailed map, please refer to Google map.

Coeur d'Alene Resort
115 S 2nd St, Coeur d'Alene, ID 83814
1-800-688-5253
www.cdaresort.com

Conference Registration

Early registration for the conference is \$175 and the deadline is March 8. After March 8, the cost is \$200. Single day registrations are available for \$85 and are for the conference meeting only. They do not include after hours functions such as the banquet.

We are using RegOnline to handle the online registration for the conference. You can reach the registration page from the WAPMS website homepage (www.wapms.org) and clicking the blue "Register Now" box at the bottom of the page, or you can go directly to the

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registration page at RegOnline by following the link below:

<http://www.regonline.com/Register/Checkin.aspx?EventId=1186832>

the WAPMS website (www.wapms.org) for conference updates.

Important Reminder: the WAPMS Scholarship Joe Vassios, Scholarship Chair

The WAPMS Barbra H. Mullin Memorial Scholarship applications are due March 14, 2013. The scholarship will provide \$2,000 to a deserving student (undergraduate or graduate) who is engaged in course work or research related to the biology, ecology, management, or education of aquatic plants. The application process is very straightforward. Students interested in applying have to provide an application package containing a short resume/CV, unofficial transcripts, two letters of support and a statement about how funds are to be used. Please see the complete scholarship announcement posted on the WAPMS website at www.wapms.org. Applications should be emailed to Joseph.Vassios@uniphos.com. The recipient will be announced at the 2013 WAPMS meeting in Coeur d'Alene, ID. Please encourage your students or students that you have contact with to apply.

Student Registration Waiver!

Students attending the WAPMS conference have their registration fees waived. Students are not required to make oral or poster presentation; however, their participation is highly encouraged. Participation fosters increased interaction between students and other researchers, industry representatives and managers. For more information check

Members' Contributions
Short Notes of Interest to the Society*



Past WAPMS President Robert Leavitt (green cap, looking towards camera) helps eradicate hydrilla in one of the Calaveras infestations. The crew is dredging the locations of the last plants found in the infestation, attempting to remove any remaining tubers.

Eradication Reached in Three California Hydrilla Projects
Patrick Akers, California Department of Food and Agriculture (CDFA)

The CDFA Hydrilla Eradication Program reports that three hydrilla infestations have been declared eradicated this winter.

Two of the projects are in Calaveras County east of the Stockton city area and one is in Tulare County, southeast of Fresno. The projects were small to moderate in size. The Bear Creek infestation in Calaveras Co. had about seven ponds ranging from 0.1 to 17 acres in size, scattered along about 2.5 miles of the creek. The other Calaveras infestation involved about eight small (<0.5 acres) ponds, two of which were actually infested. The Tulare Project involved a series of

about 15 ponds of 0.02 to 10 acres in size, of which about five were infested.

All the infestations took persistent, steady pressure to eradicate. The Calaveras infestations were both discovered in 1988, while the Tulare project began in 1996. The last plants in all the infestations were found in 2004. Treatments continued for another three years, but since about the 2008 season the projects were solely under survey, to confirm the eradication of the plants. Previously, the projects had gone one to three years without plants and then a few plants would reappear. With eight years of survey with no plants, the Program felt confident in declaring eradication at the end of the 2012 season.

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The projects employed a combination of methods to achieve eradication, including herbicides, hand removal, drawdown with fumigation, and small-scale dredging.

Terry McNabb to lead NALMS Patrick Akers, newsletter editor

WAPMS Society member and past president Terry McNabb was elected to serve in a leadership role in the North American Lake Management Society (www.NALMS.org) during their November, 2012, annual meeting. Terry will serve this year as the President-Elect of NALMS, will serve as President for the 2012-2014 year and as Past President the year following. During this three year commitment, he hopes to help increase membership, promote the NALMS Certified Lake Manager/Certified Lake Professional certification program and expand the understanding of aquatic plant management within the greater lake management community. Another focus will be developing a closer relationship between our two societies. For starters, the NALMS Annual Meeting will be held on the West Coast this coming October in San Diego. This will be a good opportunity for those in WAPMS to attend, learn, and interact with other lake management professionals.

*** Editorial Guidelines for Members' Submissions:** Articles may be on any subject of general interest to the Society, such as news on members, updates on projects, or announcements of new products. They must include a byline with the authors' names. Responsibility for the article lies with the authors. All articles of 300 words or less will be printed, as long as they pertain to the business of the Society. The Newsletter editor will edit them only for spelling, grammar, or readability. Articles longer than 300 words will be submitted to the editorial board for approval. They may be edited for length or content, in consultation with the author. Articles may be submitted as a Word document, a text file, or text in an email message.

**32nd Annual
Western Aquatic Plant Management Society
Annual Conference**

March 25-27, 2013

**Coeur d'Alene Resort
115 South Second Street
Coeur d'Alene, ID 83816**

PROGRAM

Monday, March 25

2:00 - 6:00	Registration (room)
2:00 - 6:00	Exhibitor Setup (room)
4:00 - 5:00	Board Meeting (room)
6:00 - 8:00	President's Reception, hosted by Mark Systma, President, WAPMS (Room)

Tuesday, March 26

8:00 - 9:00	Coffee and Pastries (<u>room</u>)
<u>Session I (room):</u>	Moderator: Mark Sytsma (President, WAPMS), Portland State University
9:00 - 9:10	Welcome: Mark Systma (President, WAPMS), Portland State University
9:10 – 9:40	Keynote: Update on Efforts to Relieve the Double Permitting of Aquatic Pesticides <u>Tom Myrum</u> , Executive Director, Washington State Water Resources Association
9:40 – 10:00	Which End Do I Need to Load? <u>Carlton Layne</u> , Executive Director, Aquatic Ecosystem Restoration Foundation

- 10:00 –10:20 **Herbicide Resistance and Resistance Management in an Aquatic Environment**
Cody J Gray, United Phosphorus, Inc.
- 10:20 – 10:40 **Break (room)**
- Session II (room): Moderator: Joe Vassios, United Phosphorus, Inc.
- 10:40 –11:00 **From Identification to Operational Scale Eurasian Watermilfoil Control, 2007 to 2012 – Noxon Rapids Reservoir, Montana**
Tom Moorhouse and Tom McNabb; Clean Lakes, Inc.
- 11:20 - 11:40 **Demonstration and Evaluation of Herbicides to Control Eurasian Watermilfoil in Fort Peck Lake, Montana**
Toni Pennington, Tetra Tech, Inc.
Kurt D. Getsinger, John Skogerboe, Patricia Gilbert; US Army Corps of Engineers
Tom Moorhouse, Clean Lakes, Inc.
- 11:40 - 12:00 **Variable Leaf Milfoil Eradication Projects of Western Washington**
Nathan Lubliner and Jenifer Parsons; Washington Department of Ecology
- 12:00 - 1:30 Lunch on Your Own
- Session III (room): Moderator: Paul Westcott, Applied Biochemists
- 1:30 - 1:50 **The Ongoing Effort to Control Invasive Riparian Plants in Grant County Washington**
Curt Carpenter, Moses Lake Irrigation and Rehabilitation District
David L. Klutts, Lakeland Restoration Services, LLC
- 1:50 - 2:10 **New Granular Aquatic Herbicide Formulations and Evolving Use Patterns**
Andrew Z. Skibo and Mark Heilman; SePRO Corporation
- 2:10 - 2:30 **Idaho’s Eurasian Watermilfoil Program**
Tom Woolf, Idaho State Department of Agriculture
- 2:30 - 2:50 **Submersed Invasive Species Management in Lakes and Ponds Using Aquathol**
Joe Vassios and Cody J. Gray; United Phosphorus, Inc.
- 2:50 - 3:20 Break (Room)

<u>Session IV (Room):</u>	Moderator: Cody Gray, United Phosphorus, Inc.
3:20 – 4:20	Vendor Moment – Vendors take approximately 5 minutes to highlight products and services
4:20 – 5:00	Annual Business Meeting (Room)
5:45 – 6:15	Board Boat
6:15 - 9:15	WAPMS Annual Banquet (boat)

Wednesday, March 27

7:00 - 8:00	Coffee and Pastries (<u>room</u>)
<u>Session V (room):</u>	Moderator: Toni Pennington, (Past President, WAPMS), Tetra Tech Inc.
8:00 - 8:20	Flowering Rush: Washington’s Efforts to Track and Control this Invasive Plant <u>Jenifer Parsons</u> , Washington Department of Ecology
8:20 – 8:40	Video of Flowering Rush Invasion of the Columbia River System <u>Peter M. Rice</u> , University of Montana Frank Tyro, Salish Kootenai College
8:40 – 9:10	Effect of Shading on Flowering Rush and Control Efforts in the Yakima River <u>Seven O. Link</u> , Confederated Tribes of the Umatilla Indian Reservation
9:10 – 9:30	Submersed Flowering Rush Suppression Trials in Montana and Wisconsin <u>Peter M. Rice</u> , University of Montana Steve Fleming, Archibald Lake Association Board Virgil Dupuis, Alvin Mitchell; Salish Kootenai College Tom Moorhouse, Tom McNabb; Clean Lakes, Inc.
9:30 – 9:50	Flowering Rush (<i>Butomus umbellatus</i>) Influence on Habitat and Food Web Implications to Native Fishes in the Flathead Basin <u>Jerome O’Brien*</u> , Virgil Dupuis; Salish Kootenai College Peter M. Rice, University of Montana
9:50-10:20	Break (<u>room</u>)

- Session VI (room): Moderator: Mike Stephenson, Big Bear Municipal Water District
- 10:20 – 10:30 **North American Lake Management Society Update**
Terry M. McNabb, AquaTechnex, LLC
- 10:30 – 10:40 **Aquatic Plant Management Society Update**
Terry Goldsby, President, APMS
- 10:40 - 11:00 **Point-Intercept on Steroids: It's Not Just Presences/Absence Anymore**
Ray D. Valley, Matt Johnson; Contour Innovations, LLC
K. Dean Jones, University of Florida
Martha Barton, Wisconsin Department of Natural Resources
Donna Dustin, Minnesota Department of Natural Resources
Justin Nawrocki, North Carolina State University
- 11:00 - 11:20 **Integrating Submerged Aquatic Vegetation Mapping with Aquatic Herbicide Treatments**
Thomas J. McNabb and Tom Moorhouse; Clean Lakes, Inc.
- 11:20 – 11:40 **Mechanical Aquatic Vegetation Removal with the Aquatic Vegetation Rake (AVR)**
William (Bill) Fuchs, Maximized Water Management, LLC
- 11:40 - 1:00 Lunch on Your Own
- Session VII (room): Moderator: Thomas Moorhouse, Clean Lakes, Inc.
- 1:00 - 1:20 **Aquatic Plant Invasion in the Far North – *Elodea nuttallii***
Cecil Rich, U.S. Fish and Wildlife Service
Brienne Blackburn, Alaska Department of Natural Resources, Division of Agriculture
Darcy Etcheverry, Fairbanks Soil and Water Conservation District
- 1:20 - 1:40 **Clean Boats Clean Waters at Diamond Lake, WA**
Geri Guinn, DLIA
- 1:40 - 2:00 **A Tale of Twin Lakes, Washington**
Kyle Langan, Terry M. McNabb; AquaTechnex, LLC
Shaun Hyde, SePRO Corporation
- 2:20 - 2:40 **Invasive Marine Seagrass, *Zostera japonica*: a) Effects on Shellfish Production, ESA Species and Estuarine Processes and b) Control Options**
Kim Patten and Nick Haldeman; Washington State University Long Beach Research and Extension Unit

2:40 - 3:10	Break (<u>room</u>)
<u>Session VIII (room):</u>	Moderator: Vanessa Morgan, Portland State University
3:10 - 3:30	Six Years of Eurasian Watermilfoil (<i>Myriophyllum spicatum</i>) Management in North Idaho Waters <u>Terry M. McNabb</u> , AquaTechnex, LLC
3:30 - 3:50	The Use of Algaecides in Adaptive Water Resource Management <u>John Rodgers</u> , Clemson University
3:50 - 4:10	Advancing the Science of Algaecide Formulations for Improved Algae Management <u>Dave C. Blodget</u> and West Bishop; SePRO Corporation
4:10 - 4:30	Aeration as a Lake/Pond Management Tool <u>Bob Robinson</u> , Kasco Marine
4:30	MEETING ADJOURNED
3:10 - 5:30	Vendor and Exhibitor Breakdown
4:30 – 5:30	WAPMS Board meeting (room)

Poster Session

Elodea Threatens Alaska's Fisheries and Aquatic Resources
Cecil Rich, US Fish and Wildlife Service
Brianne Blackburn, Alaska Dept. of Natural Resources, Div. of Agriculture