
42nd WAPMS Meeting

WESTERN AQUATIC PLANT MANAGEMENT SOCIETY

March 18th - March 20th, 2024

The Tropicana – Las Vegas, NV



WAPMS.ORG

Past WAPMS Meetings Sites and President

2023	Boise, ID (joint meeting w/ WSWS)	Doug Kleweno
2022	Tucson, AZ	Cory Greer
2021	Virtual (joint meeting w/WSWS)	Tom Warmuth
2020	-	-
2019	Mission Viejo, CA (joint meeting w/APMS)	Andrea Sealock
2018	Reno, NV	Amy Ferriter
2017	Coeur d'Alene, ID (joint meeting w/ WSWS)	Scott Nissen
2016	San Diego, CA	Joseph Vassios
2015	Portland, OR	Patrick Akers
2014	Reno, NV	Cody Gray
2013	Coeur d'Alene, ID	Mark Sytsma
2012	San Diego, CA	Toni Pennington
2011	Westminster, CO	Thomas Moorhouse
2010	Seattle, WA	Robert Leavitt
2009	Honolulu, HI	Tom McNabb
2008	Tahoe City, CA	Scott Shuler
2007	Coeur d'Alene, ID	Ross O'Connell/ Lars Anderson
2006	San Diego, CA (25 th Meeting)	Jenifer Parsons
2005	Denver, CO	George Forni
2004	Bellevue, WA	Terry McNabb
2003	Sacramento, CA	Shaun Hyde
2002	Coeur d'Alene, ID	Mike Mizumoto
2001	Las Vegas, NV	Ron Crocket
2000	Bozeman, MT	Valerie Van-Way
1999	Reno, NV	Stuart Perry
1998	San Diego, CA	Kathy Hamel
1997	Seattle, WA	Mark Sytsma
1996	Portland, OR	Vanelle Peterson
1995	Sacramento, CA	Fred Ryan
1994	Coeur d'Alene, ID	Paul Beatty
1993	Tucson, AZ	Lars Anderson
1992	Salt Lake City, UT	David Spencer
1991	Seattle, WA	Richard Thiery
1990	Sparks, NV	Tom McNabb
1989	Honolulu, HI	Barbra H. Mullin
1988	Fresno, CA	Fred Nibling
1987	Boise, ID	Winn Winkyaw
1986	San Diego, CA	Randall Stocker
1985	Phoenix, AZ	Nate Dechoretz
1984	Spokane, WA	Les Sonder
1983	Las Vegas, NV	Terry McNabb
1982	Denver, CO	First Business Meeting Terry McNabb (President); Paul Beatty (VP)
1981	Formation Interest meeting, San Diego, CA - Floyd Colbert and Lars Anderson (Co-chairs)	

Board of Directors

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The objectives of the Society shall be to:

1. Establish a forum for the exchange of information on aquatic vegetation management techniques, strategies, and research through periodic meetings and other appropriate means.
2. Cooperate with local, state, regional, and national agencies, both public and private, in the identification of and solution to aquatic vegetation problems.
3. Promote uniformity and coordination of activities among agencies concerned with the regulatory aspects of aquatic plant management.
4. Encourage scientific research and assist in promoting the control and management of aquatic plants through scientifically sound procedure.
5. Recognize and promote scientific advancement of the members and facilitate the education of aquatic plant scientists through scholarship and other assistance programs.
6. Extend and develop public interest in, and understanding of, aquatic plant management problems and solutions.
7. Cooperate with local chapters and other organizations with similar and related interests.

The Western Aquatic Plant Management Society geographic region includes the states of:
Alaska, Arizona, California, Colorado, Hawaii, Idaho, Oregon, Nevada, New Mexico, Montana,
Utah, Washington, and Wyoming

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PROGRAM

Monday, March 18

6:00 – 8:00 Presidents Reception, *Top Golf*

Tuesday, March 19

7:00 – 6:30 Registration, WAPMS Conference

7:30 – 8:30 Breakfast, *Cohiba 1 & 2*

8:30 – 10:00 Session A, *Partagas 3*

8:30 – 8:45 Welcome and Conference Notes

8:45 – 9:00 **An Update on the Aquatic Ecosystem Restoration Foundation.** John D. Madsen; USDA-ARS Retired, Eads, TN

9:00 – 10:00 **Keynote: Planning for Uncertainty.** Zane L. Marshall; SNWA, Las Vegas, NV

10:00 – 10:40 Break, *Cohiba 1 & 2*

10:40 – 12:00 Session B, *Partagas 3*

10:40 – 11:00 **Herbicide Studies to Manage Aquatic Weeds in the Delta.** John D. Madsen; USDA-ARS Retired, Eads, TN

11:00 – 11:20 **UAV Applications in Aquatic Environments.** Dustin A. Polasek; Nutrien Ag Solutions, Colorado Springs, CO

11:20 – 11:40 **The Great Map Off.** Eli Kersh

11:40 – 12:00	Restoring Aquatic Ecosystems with Selective Herbicides and Phosphorus Mitigation. Kaitlyn Quincy; SePRO, Denver, CO
12:00 – 1:30	Lunch on your own
1:30 – 3:40	<u>Session C: Student Presentations, Partagas 3</u>
1:30 – 1:50	Sedges Control with Florpyrauxifen-benzyl as Affected by Application Timing. Deniz Inci*, Kassim Al-Khatib; University of California, Davis, Davis, CA
1:50 – 2:10	Herbicide Sensitivity Comparison Between Waterhyacinth Populations. Hannah J. Brown, University of Florida Center for Aquatic and Invasive Plants, Gainesville, FL
2:10 – 2:30	Clonal Diversity of Crested Floating Heart in the Southeastern United States. Zachary J. Kuzniar, Ryan A. Thum; Montana State University, Bozeman, MT
2:30 – 2:50	A Practical Guide for Genetic Surveying and Monitoring for Eurasian Watermilfoil Management and Initial Insights on Rapid Herbicide Assay Development. Ashley L. Wolfe, Montana State University, Bozeman, MT
2:50 – 3:10	Remotely Monitoring Water Hyacinth Herbicide Applications with Unoccupied Aerial Systems. Amber E. Riner; Center for Aquatic and Invasive Plants, Gainesville, FL
3:10 – 3:40	Break, Cohiba 1 & 2
3:40 – 4:40	<u>Session D, Partagas 3</u>
3:40 – 4:00	A Cost-benefit Analysis of Restoration Techniques to Address Internal Nutrient Loading from Anoxic Sediments. Patrick M. Goodwin; Naturlake Biosciences, Madison, WI
4:00 – 4:20	Copper is Not Just Copper. David Hammond; Earth Science Labs, Inc, Larkspur, CA
4:20 – 4:40	An Overview of the Golden Algae, <i>Prymnesium parvum</i>, Toxin Hurdles, and Successful Control Measures. Brooke M. Konkle; SePRO, Whitakers, NC

4:40 – 5:10 Sponsor Updates
6:00 – 6:30 Cocktail Reception, *Grand Foyer*
6:30 – 8:00 Awards Banquet

Wednesday, March 20

7:00 – 12:00 Registration, WAPMS Conference

7:30 – 8:30 Breakfast, *Cohiba 1 & 2*

8:30 – 10:10 Session E, *Partagas 3*

8:30 – 8:50 **Quagga Mussel Response for the Mid-Snake River, Idaho.** Nic Zurfluh and Jeremy Varley; Idaho State Department of Agriculture, Boise, ID

8:50 – 9:10 **Plan B for Invasive Mussels.** David Hammond; Earth Science Labs, Inc, Larkspur, CA

9:10 – 9:30 **The Operational Management and Monitoring of Flowering Rush in the Pacific Northwest.** Ben Casscles & Bradley Roth, Aquatechnex, Missoula, MT

9:30 – 9:50 **A Tale of Two Eurasian Watermilfoil Eradication Efforts. Lessons in Capacity-Building, Persistence, Adaptation, and Optimism.** Craig R. McLane; Montana Fish, Wildlife & Parks, Helena, MT

9:50 – 10:10 **Selectivity of Herbicide Applications on Four *Vallisneria Taxa*.** Jens P. Beets, North Carolina State University, Raleigh, NC

10:10 – 10:40 Break, *Cohiba 1 & 2*

10:40 – 12:00 Session F, *Partagas 3*

10:40 – 11:00 **Las Vegas Goes "All In" on Tamarisk Removal.** Nick Rice; Southern Nevada Water Authority, Las Vegas, NV

11:00 – 11:20 **Riparian Habitat Improvements Along the Muddy River on the Warm Springs Natural Area in Moapa, Nevada.** Von Winkel; Southern Nevada Water Authority, Mesquite, NV

11:20 – 11:40	Sequential Use of Herbicides, UV Light, Diver Assisted Suction Harvesting and Bottom Barriers to Control of Aquatic Weeds in the Tahoe Keys, South Lake Tahoe, CA. Lars W.J. Anderson ¹ , Toni G. Pennington ² ; ¹ Tahoe Keys Property Owners Assoc. Consultant, Point Reyes Station, CA, ² Environmental Science Associates, Bend, OR
11:40 – 12:00	NPDES Updates. Stephen Burkholder; Blankinship & Associates, Inc.
12:00 – 1:15	AERF Student Lunch
1:15 – 3:00	Business meeting
3:00	Meeting adjourned. Safe Travels!