

WESTERN AQUATIC PLANT MANAGEMENT SOCIETY



AUGUST 2017 NEWSLETTER

President's Message

The Western Aquatic Plant Management Society (WAPMS) is one of six regional chapters of the national Aquatic Plant Management Society (APMS), which also includes chapters in Florida (FAPMS), South Carolina (SCAPMS), Texas (TAPMS), MidSouth (MSAPMS), Midwest (MAPMS) and the Northeast (NEAPMS). The WAPMS includes members from thirteen states - Alaska, Arizona, California, Colorado, Hawaii, Idaho, Oregon, Nevada, New Mexico, Montana, Utah, Washington, and Wyoming. We also have members from the Canadian provinces of British Columbia and Alberta.

Several factors make WAPMS unique:

- *Our vast geography.* WAPMS covers nearly 2 two million square miles (for comparison, consider the FAPMS footprint of 65,800 square miles). We also have active members from two western Canadian provinces.
- *Diverse aquatic systems.* Our systems range from heavily managed canal systems in Southern California and the arid inland Northwest to huge natural lake systems in places like Idaho, Montana and Alaska.
- *Our widely varied projects.* Members manage everything from native sago and horned pondweed in irrigation and water delivery systems to flowering rush and Eurasian

watermilfoil in wetlands and large natural lake systems.

- *The great number of management options used by our members.* Even within a single state – Washington, for example – target plant species and available management options vary dramatically. Canal managers in the Columbia Basin of arid eastern Washington have little in common with aquatic resource managers in the

Columbia River or biologists working in Willapa Bay along the Washington coast.

- *The inherent administrative and logistical problems that such large diversity brings.* Our diversity makes things interesting, but it also poses challenges as the board develops the annual conference agenda – it's a constant struggle to weigh topics and evaluate what the membership will find most useful. (Are we too technical, are we not technical enough? Will members in coastal areas care about projects unique to the inland states? Should we focus more on applied "on the ground" projects, or does the membership prefer academic presentations?) Our geography also makes having face-to-face board meetings a logistical challenge. Most chapter business is done through email or during quarterly conference calls. The board only meets once a year, at the annual conference.

Because of our numerous differences from other APMS chapters, I believe it is time for us to consider different approaches to become more effective. A good place to start would be in making sure we know our members and their needs and by devising a communications network that allows us to share information easily and effectively. With these things in mind, the WAPMS board emailed a link to a 17-question membership survey to the 99 conference attendees at our March 2017 conference in Coeur d'Alene. The purpose of this survey was to gauge membership impressions of the joint WAPMS-WSWS conference and better understand membership needs. In addition to the "Survey Monkey" platform, members were also encouraged to email the WAPMS President with specific comments and concerns.

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Amy Ferriter, President WAPMS

So, what did you say?

A total of 28 individuals responded to the online survey link. Respondents were permitted to skip questions. Three individuals submitted email comments and one individual sent a text message. Responses will be discussed here, but individuals will not be identified.

2017 Survey Questions:

1. Overall, how would you rate the WAPMS/WSWS joint conference?

The majority of ratings for the joint conference ranged from "Good" (18%) to "Very Good" (50%) to "Excellent" (18%). Four respondents (14%) indicated that the conference was "Fair."

2. How would you rate the WAPMS conference talks?

Most respondents (71%) thought the conference talks were "Just about Right." Twenty one percent thought the talks were "A little too technical." One respondent said the talks were not technical enough, and one respondent indicated that the talks were "inappropriate" for the forum (the respondent did not elaborate on the inappropriateness).

3. Was the WAPMS/WSWS Conference length too long, too short, or about right?

The majority of respondents (79%) said that the conference duration was "Just about Right." Four individuals felt that the meeting was too long, and two individuals felt that the meeting was too short.

4. Did you attend any of the WSWS sessions?

Interestingly, most WAPMS member respondents (57%) did not attend any of the WSWS sessions. Only six respondents took advantage of the concurrent sessions with WSWS.

5. Overall, how organized was the WAPMS/WSWS Conference?

Seventy nine percent of the respondents indicated that the meeting was "Very" to "Extremely" organized. Five individuals indicated that the meeting was "Somewhat Organized" and one respondent said it was "Not at all Organized."

6. Did you like having a joint meeting with WSWS?

A majority of the respondents (64%) said they liked having a joint meeting with WSWS. Nine respondents said they did not like the joint meeting concept.

7. What did you like about the event? What did you dislike?

Following are verbatim excerpts from respondents:

"It was nice combining efforts with WSWS which provided a great facility, and the 15 minute presentation blocks made it possible to hear from many people and entities. I also really liked the general session for both organizations the first morning. My only dislike was going until 5 in the evening, I start to glaze over around 3:00!"

"I like the variety of talks and speakers."

"Program agenda pamphlet was a bit convoluted."

"With the joint WAPMS/WSWS opening session things were off a little, but I think it was worth having a joint opening session. Both talks were very interesting."

"(I liked) the joint meeting part and having the ability to see some things going on in the terrestrial environment."



"I think this survey is good start in getting a better idea about what the majority of members would like or expect to receive from WAPMS. Perhaps we are totally out of touch with the average member. Another question would be - what does the average member look like".

"I think these conferences should be about getting the science applied on the ground. I found the WAPMS more conducive to that effort while WSWS seemed to be very technical, which is needed, but less about how to apply the research on the ground."

"Great attendance, good talks, awesome networking. Social events like the "Women of Aquatics" social was great, as was the boat cruise!"

"The venue was unbelievable. I liked that there were a significant amount of vendors there that I was able to get information from on products I would have otherwise not considered."

"I enjoyed the climate change symposium. I would have like to have seen more exhibits from the terrestrial side of the house. Aquatics was kind of dwarfed by the WSWS side".

"It was a good solid event."

"I wasn't able to attend the entire conference due to cost. I understand that CD'A probably had limited locations to host this event, but the resort is very taxing on limited budgets."

"(Would like) Something to get everyone talking to each other, from the most technical researcher to the person implementing the projects on the ground."

"You always have it at very accommodating places. Its seems the vender set up and breakdown is missed in the agenda. The WSWS had no overlapping (Water) that truly tied into the WAPMS Conference. By doing this I truly feel that the vendors helped pay for a lot of the activities but had no reward in the end. Normally breakfast and breaks had something to offer to bring in people to the vender area, with out this very little activity occurred. I understand by the volume of people that this was not feasible. It seems that the vender list grew slightly but minimal considering the 2 joint conferences."

"I thought the joint meeting brought a lot of new participants to the meeting, which was great."

8. Do you have any suggestions for future meeting sites?

Future meeting site suggestions included: Seattle, Portland, Las Vegas, Phoenix, Coeur d'Alene, Boise and Lake Tahoe.

An additional comment added; *"Because of the distance that the WAPMS comprises would it work better to hold it more centralized so that you have the same travel so that you can pull members form the south and the north. It seems that when it is held in the North we lose southern members and vice versa."*

9. How long have you been a member of WAPMS?

Answer Choices	Responses	
More than 20 years	7.41%	2
10-20 years	11.11%	3
5-9 years	18.52%	5
2-4 years	25.93%	7
Less than 2 years	22.22%	6
I am not a member.	14.81%	4
Total		27

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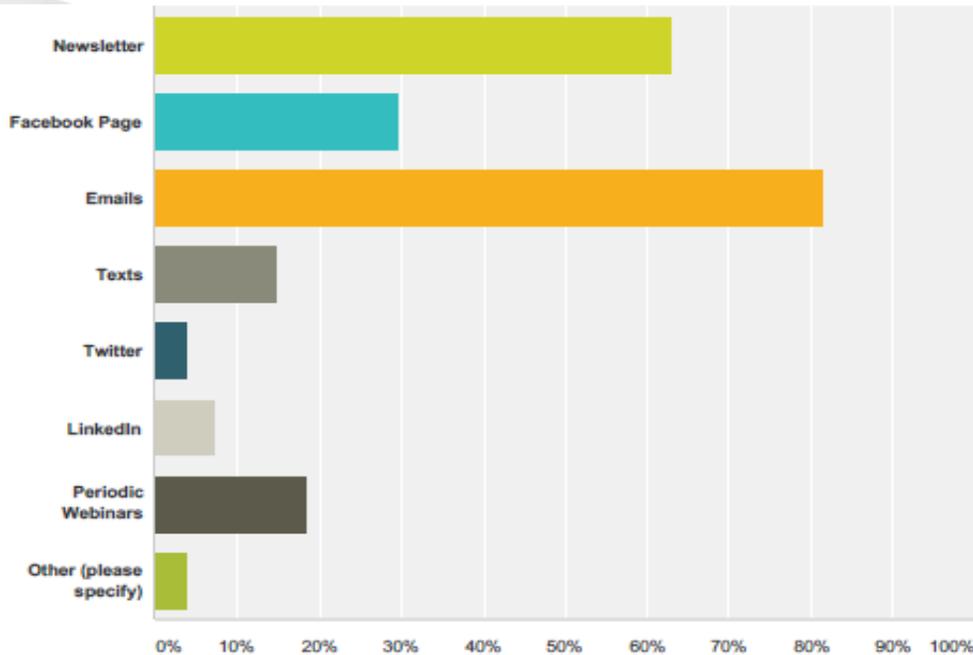
10. How likely would you be to recommend WAPMS to a professional colleague?

40% of respondents said they would recommend the society to a colleague. 19% indicated they would not recommend the society to a colleague, and 37% were passive (non-responsive) to this question.

11. How would you like WAPMS to communicate with members (check all that apply)?

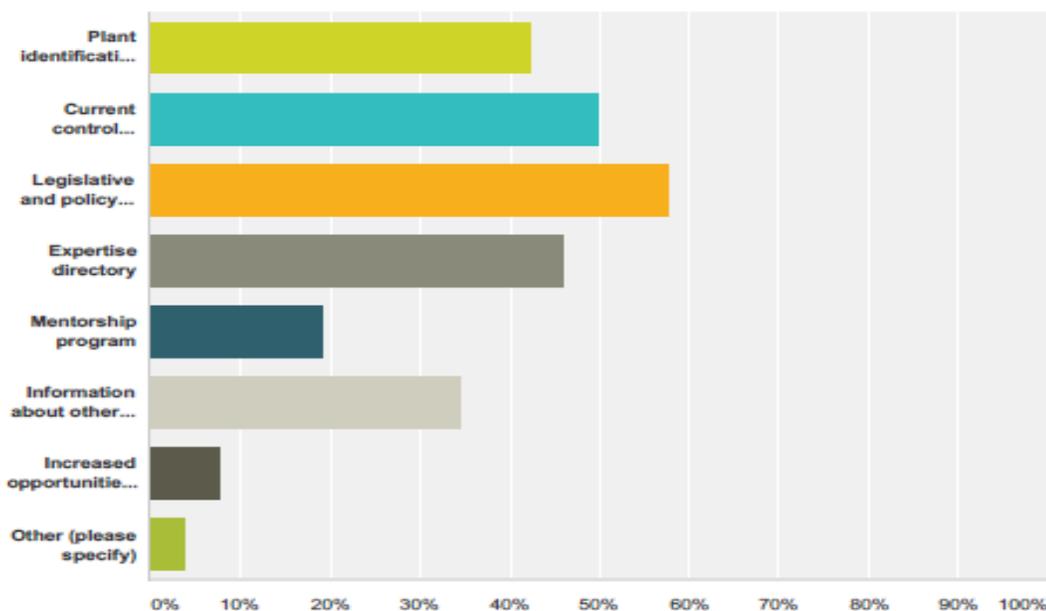
It should be noted that respondents could provide more than one answer to this question, so response percentages are not meaningful. The full breakdown of responses is provided below.

Most respondents prefer emails, newsletters and Facebook as forms of communication. 27 Answered. 1 Skipped.



12. Are there things you would like WAPMS to offer its members?

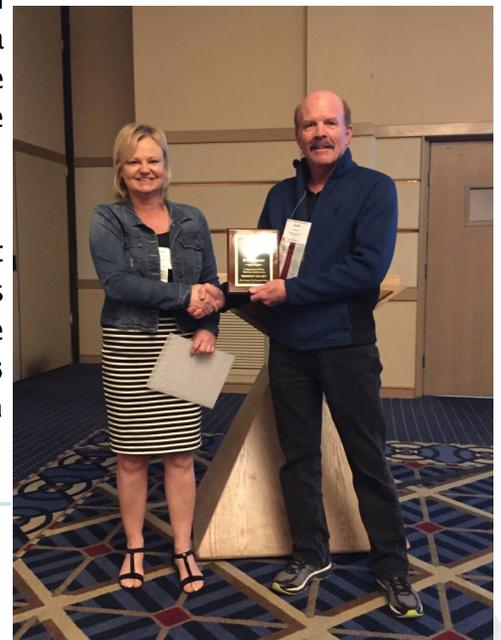
It should be noted that respondents could provide more than one answer to this question, so response percentages are not meaningful. The full breakdown of the responses is provided below. Legislative and Policy updates were the most popular, followed by Current Control Technology updates and an Expertise Directory. 26 Answered. 2 Skipped.



(Continued on page 5)

Where do we go from here?

- ◆ The WAPMS Board has updated the WAPMS website to provide increased member functionality. You will now be able to do things like renew and manage your membership online. (See page 11 of this newsletter for more details on the specifics)
- ◆ In addition to increased email communication to members and a regular newsletter, we will continue to provide updates to the membership via social media - Like us on Facebook!
- ◆ The board is evaluating the potential for providing mid-year workshops on topics like in-field aquatic plant identification, control technologies and regulatory issues. If you have thoughts on this, please let me know.
- ◆ The board is actively working on strategies to attract additional members, including canal and irrigation managers, social scientists, botanists and students.
- ◆ We are actively working on ways to better network with the other regional APMS Chapters. This is important as the West struggles to manage problematic species like flowering rush and proactively detect new invaders like starry stonewort. The other APMS chapters have an immense amount of expertise, and technology transfer is a critical role for our society as a whole. I have invited the other APMS chapter presidents to participate in the 2018 WAPMS conference in Reno, and we look forward to increasing this type of cross-pollination between chapters.
- ◆ The WAPMS Board has also completed a 5-year Strategic Plan for the chapter. It is closely aligned with the national APMS strategy. The full text of the Strategic Plan is provided in this newsletter (see page 6). I encourage all members to use this document as an impetus to get involved in the organization. If you see a something of interest in the plan, please email, phone or text me for specifics on how you can actively engage (amy.ferriter@cpsagu.com, (509) 993-7490).
- ◆ The WAPMS chapter covers an enormous geography that sometimes feels unwieldy, but we also have many opportunities to make a difference in preventing and managing aquatic invasive species in the West. **Please consider joining a WAPMS committee or serving on the board. You can make a difference.**



See you all in Reno!

Amy Ferriter

2017-2021 WAPMS Strategic Plan

Vision

The vision of the Western Aquatic Plant Management Society (WAPMS) is to be the leading interdisciplinary organization for the dissemination of information related to aquatic plant and algae management in Western North America.

Mission

The mission of WAPMS is to serve as a chapter of the Aquatic Plant Management Society (APMS) organization, providing a forum for members in Western North America to share interdisciplinary information related to aquatic plant and algae identification, detection, management and control.

Objectives

The objectives of the Society are:

1. To establish a forum for the exchange of information on aquatic vegetation management techniques, strategies, and research through periodic meetings and other appropriate means.
2. To cooperate with local, state, regional, and national agencies, both public and private, in the identification of and solution to aquatic vegetation problems.
3. To promote uniformity and coordination of activities among agencies concerned with the regulatory aspects of aquatic plant management.
4. To encourage scientific research and assist in promoting the control and management of aquatic plants through scientifically sound procedures.
5. To recognize and promote scientific and technical advancement of the members and facilitate the education of aquatic plant managers through offering scholarships, Continuing Education Units (CEUs) and other educational assistance programs.
6. To extend and develop the public's interest and understanding of aquatic plant management.
7. To cooperate with local chapters and other societies and organizations with similar and related interests.



Strategic Goals

Goal 1: WAPMS Outreach - Design and implement an outreach plan.

Key Outcome: WAPMS will be viewed as a resource for agency leaders, policymakers, applicators, end users, academia, students, industry and the general public in Western North America.

Action Steps:

1. Form a committee to develop and oversee the implementation of an outreach plan.
2. Define WAPMS target audiences and develop specific tools to reach them. This will likely include regional chapter members, state resource agencies, students, canal and reservoir operators, lake associations, government agencies, and universities.
3. Consider the feasibility of collaborating with APMS and other APMS Chapters to share the costs of collaborative outreach efforts.
4. Consider working with land grant universities and cooperative extension programs to encourage an increase in dedicated aquatic plant management expertise in the Western United States.
5. Consider the benefit of collaborating with private sector for profit and non-profit entities (This includes Bass Pro Shops, Cabela's, Trout Unlimited, etc.)

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6. Define and promote the WAPMS brand and its features and benefits.
7. Design and implement a social media campaign. For example, leverage current interest/concern with harmful algae blooms (HABs) to show that WAPMS is a resource for both information and solutions.

Measures of Success

- Targeted marketing and outreach plan developed and implemented
- At least 500 social media impressions made each month

Leadership Team:

Lead: Blankinship, Committee: Warmuth, Ferriter, Pennington, Sealock.

Feedback Loop:

The leadership team will provide a written implementation progress report to the WAPMS Board, the APMS Board, and to the general membership at the annual conference. The marketing and outreach plan should be completed and in action by no later than the March 2018 annual conference.

Goal 2: Membership - Increase WAPMS membership and conference participation.

WAPMS will be an active organization for the exchange of information on aquatic plant and algae identification, detection and management with an interdisciplinary membership.

Action Steps:

1. Connect with APMS and regional chapters to compare membership lists and identify potential new members at both the regional and national levels.
2. Update the membership brochure to highlight WAPMS membership benefits.
3. Develop a plan for offering CEUs to members via the annual conference and workshops.
4. Officer to provide a chapter update at the APMS annual meeting.
5. Encourage members of allied societies (e.g., Oregon Lakes Association, Washington Area Lake Protection Association, California Lake Management Society, North American Lake Management Society, Western Society of Weed Science) to become active members of WAPMS.
6. Continue to foster cooperation with the Women of Aquatics organization.

Measures of Success:

- 10 new WAPMS members in 2018.
- 10% growth in female membership
- 10% increase in student participation
- 10% increase in conference attendance

Leadership Team:

Lead: Pennington, Committee: Ferriter, Ruttan, Sealock.

Feedback Loop:

The leadership team will provide a written implementation progress report to the WAPMS Board, the APMS Board, at the mid-winter board meeting, and to the general membership at the annual conference. Implementation concerns, needs, and challenges will be included in these reports. The membership plan should be completed and in action by no later than the March 2018 annual conference.



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Goal 3: Student/Academia - Enhance WAPMS's sustainability by stimulating interdisciplinary student opportunities.

Key Outcome: The flow of young professionals into the field of aquatic plant and algae management will be increased as evidenced by more student members, an increase in student talks at the annual conference and enhanced interdisciplinary participation from academia in Western North America.

Action Steps:

1. Identify academic institutions in Western North America that have programs related to environmental science, botany, remote sensing, GIS, environmental policy or water resources.
2. Identify academic programs with faculty what are interested in aquatic plant management.
3. Contact faculty members in related disciplines and make them aware of WAPMS student opportunities.
4. Identify internships and incentives for students.
5. Develop links between member students and employers.
6. Use social media to reach student demographic. .
7. Increase awareness of WAPMS in relevant departments in Western North American universities.
8. Continue to provide travel grants for students to attend the annual WAPMS conference.
9. Encourage student participation in Board activities

Measures of Success:

- 5 student papers presented at the annual conference
- 10% of student members continue as members after graduation
- 10 student members

Leadership Team:

Lead: Greer. Committee: Warmuth, Pennington, Ferriter, Nissen.

Feedback Loop:

The leadership team will provide a written implementation progress report to the WAPMS Board, the APMS Board, and to the general membership at the annual conference. The student outreach plan should be completed and in action by no later than the March 2018 annual conference.

2018 WAPMS Conference - Save the Date!

Make plans now to attend the 2018 Annual Conference of the Western Aquatic Plant Management Society.

This year the annual meeting will be held March 26-28, 2018, in Reno, Nevada at the Grand Sierra Resort. We have a great location for this year's meeting and we are certain to have another outstanding program of presenters from our region and around the country.



Details for the event including the Call for Papers are forthcoming, but for program inquiries, please contact the Program Chair, Andrea Sealock (asealock@cygnetenterprises.com).

Almost 6 months into the Trump administration, we can see definite progress toward our multiyear goal of bringing a modicum of reason into the way the U.S. Army Corps of Engineers (CoE) and the Environmental Protection Agency (EPA) enforces the Clean Water Act – at least as it concerns the aquatic plant management community. The mechanism that has affected apm operations directly has been the National Pollution Discharge Elimination System (NPDES). The jurisdiction of the Clean Water Act is established by the prevailing definition of Waters of the United States (WOTUS). It is this definition that triggers NPDES permitting requirements. So –where are we?

With 47 co-sponsors – including 4 Democrats, Representative Bob Gibbs (R-OH), on February 7, 2017, introduced for the third time the **Reducing Regulatory Burdens Act**, H.R. 953. It passed the House, also for the third time, and was forwarded to the Senate on May 25, 2017. Also on February 7, 2017, Senator Mike Crapo (R-ID), with 18 co-sponsors – including 2 Democrats, introduced S. 340 **The Sensible Environmental Protection Act** of 2017. Both bills are currently assigned to the Senate Committee on Environment and Public Works chaired by Senator John Barrasso (R-WY). Both bills seek to clarify Congressional intent regarding the regulation of the use of pesticides in or near navigable waters and thus would remove pesticide applications in, near or over waters of the United States from NPDES requirements provided the pesticides are used in accordance with label directions. We are watching these bills closely because the removal of the NPDES requirement for aquatic plant management activities essentially moots the WOTUS definition for most of our purposes. There is little doubt that should a bill pass the Senate President Trump will sign it, but passage in the Senate is not a given.

Meanwhile, there has been activity on the WOTUS rule. On February 28, 2017, just in time for the Midwest Aquatic Plant Management Society annual meeting, President Trump issued an Executive Order No. 13778, 82 F.R. 12497, **Restoring the Rule of Law, Federalism, and Economic Growth by Reviewing the "Waters of the United States" Rule**. The title of the Order alludes to the critics of the rule's arguments that the WOTUS Final Rule 1.) Exceeded the authority of the EPA and the CoE by amending the Clean Water Act and thus assuming power reserved to Congress, 2.) Usurped jurisdiction of waters rightfully resting with the various states, and 3.) Stifled economic growth. The order was a scant two pages long but is far-reaching in its potential consequences. It ordered the Administrator of the EPA and the Assistant Secretary of the Army for Civil Works to:

"[R]eview the final rule entitled "Clean Water Rule: Definition of 'Waters of the United States,'" 80

Fed. Reg. 37054 (June 29, 2015)...and publish for notice and comment a proposed rule rescinding or revising the rule...[and]

*In connection with the proposed rule described in section 2(a) of this order, the Administrator and the Assistant Secretary shall consider interpreting the term "navigable waters," as defined in 33 U.S.C. 1362(7), in a manner consistent with the opinion of Justice Antonin Scalia in *Rapanos v. United States*, 547 U.S. 715 (2006).*

By March 6, 2017, the EPA Administrator and The Assistant Secretary of the Army for Civil Works published the following in the Federal Register:

In accordance with a Presidential directive, the U.S. Environmental Protection Agency (EPA) and the Department of the Army (Army) announces its intention to review and rescind or revise the Clean Water Rule.

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Then, to assure that all interested parties are on the same page, on June 17, 2017, the Administrator and the Assistant Secretary of the Army filed a pre-publication of a Federal Register notice entitled “**Definition of ‘Waters of the United States’ – Recodification of Pre-existing Rules**” which proposes reset the clock on the WOTUS definition that existed prior to 2015.

For those of us regulated by the EPA, we're no worse off than before the last WOTUS rule was published. If the Senate can get either of the two bills currently in committee passed, then life would be good because NPDES would go away for most of us. States may elect to keep a state version of it if they wish.

For those doing work in or near wetlands, while it is true that the CoE will revert to the definition they were using prior to 2015, it is also true that that definition is significantly different from the EPA definition and is pretty much the same as that which prompted the Rapanos case. For example, a California farmer was recently fined \$2.8 million on an old 2012 interpretation by an engineer who determined the farmer was tilling the soil too deeply, 4-7 inches.

See <http://www.foxbusiness.com/politics/2017/06/01/farmer-fined-2-8m-for-farming-on-own-land.html>

When writing his opinion in the Rapanos case, Justice Scalia said of the CoE's definition:

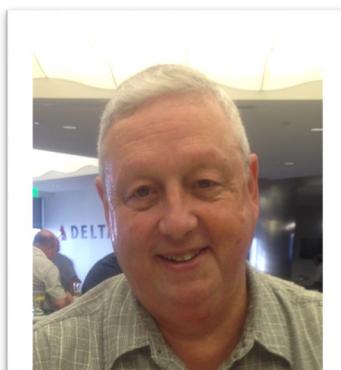
In applying the definition to “ephemeral streams,” “wet meadows,” storm sewers and culverts, “directional sheet flow during storm events,” drain tiles, man-made drainage ditches, and dry arroyos in the middle of the desert, the Corps has stretched the term “waters of the United States” beyond parody. **The plain language of the statute simply does not authorize this “Land Is Waters” approach to federal jurisdiction** [emphasis added].

Justice Scalia defined “Waters of the United States” as follows:

“...relatively permanent, standing or continuously flowing bodies of water” traditionally recognized as “streams, oceans, rivers and lakes” that are connected to traditional navigable waters.

In addition, he would also authorize federal regulation of wetlands abutting these water bodies if they contain a continuous surface water connection such that the wetland and water body are “indistinguishable.”

Obviously, this is a definition with which we all can live. Couple it with the dissolution of the NPDES requirement for most states and all our efforts of the past several years will have been worth it. Watch for the new proposed definition to be published later this year or early next year. We may also need your involvement if the Senate needs a push on the Gibbs/Crapo bills.



Carlton Layne, AERF

The AERF will be shifting its resources to the Endangered Species Act and in particular the interface with the EPA and the Office of Pesticides Programs and how pesticide registrations will be impacted by the Endangered Species Act implementation under the Section 7 consultation between EPA, the Fish & Wildlife Service and the National Marine Fisheries Service. Stay tuned.

Thank you for your continued financial support of the AERF. We rely 100% on your generosity for our income. Without your donations, which are tax-deductible, we simply would be unable to function and would cease to exist. Please keep us in mind when considering donations to non-profit organizations. If you haven't donated in a while, please think about coming back. We need your help.

**NEW
WEBSITE**



The Western Aquatic Plant Management Society is excited to announce that we've been working hard to update our website and membership program!

Please visit WWW.WAPMS.ORG to see our updated website features:

- Convenient online payment option for membership dues.
- Current information on upcoming conferences, workshops, and events.
- List of current sponsors and updated sponsorship benefits.
- Links to partner organizations and other resources.
- Meet your Board of Directors.

Understanding our new membership program:

- The WAPMS Board of Directors voted to uncouple annual membership dues from the annual conference registration fees.
- If you attended the 2017 annual conference in Coeur d'Alene, Idaho, your membership dues were included in your registration fees and will be valid through March 2018. This also applies to those that did not attend the annual conference but paid their \$10 membership dues by mail in 2017.
- 2018 membership dues must be paid by April 1, 2018. Thereafter, annual membership dues must be paid by January 31st of each year.
- Membership options are as follows:
 - Student Member = \$25.00 fee
 - Regular Member = \$45.00 fee
 - Honorary Member = FREE
- Please keep in mind that membership benefits include access to our semi-annual newsletter, a quarterly copy of Aquatics magazine, and a discounted conference registration rate. In addition, your membership must be current to be eligible to serve on the board of directors.

Questions? Comments?

We welcome all feedback! Please send correspondence to westapms@gmail.com

UF Weed Scientist to Lead Aquatic Invasives Center

By: Brad Buck - UF/IFAS Public Relations Specialist

A University of Florida weed scientist has been named director of the Center of Aquatic and Invasive Plants, a unit that develops environmentally sound techniques to manage invasive weeds. Jason Ferrell, an agronomy professor at the UF Institute of Food and Agricultural Sciences, was named to the position by Jack Payne, UF senior vice president for agricultural and natural resources. "Dr. Ferrell has been through UF/IFAS leadership programs has shown expertise in controlling invasive plants that affect our ecosystems, so he was the ideal choice to lead the center," Payne said.

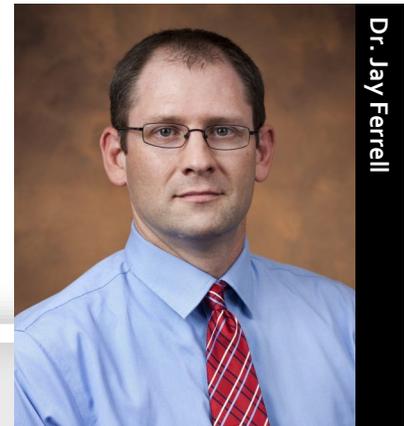
Ferrell, who's worked at UF/IFAS since 2004, enjoys his work as a scientist but, as he worked with his lab staff and students, he realized he wanted to spread his wings into a leadership position. Among his many goals, Ferrell hopes to work with state agencies and UF/IFAS Extension faculty to bridge the knowledge gap among some clientele. "Some of those clients seem to have qualms about such invasive control techniques as pesticides or herbicides", Ferrell said. "CAIP is not a 'this is what you spray' group," Ferrell said, referring to herbicide or pesticide treatment of invasive aquatic plants. "It is a management entity that looks at every piece of the puzzle and tries to figure out how we can link them together to develop a management plan." Ferrell has outlined several other goals for when he starts his new position in July. He would like to



increase communication among the multidisciplinary faculty members at the center so that their research and Extension activities into invasive aquatic plants overlap more. From there, he'd like the center's voice to grow with regional and national groups that study and conduct outreach on invasive aquatic plants.

The Legislature established the center in 1978. Faculty and staff at the center work extensively with the state's water management districts and the Florida Fish and Wildlife Conservation Commission to control invasive plants. Two UF/IFAS faculty members work at the center on Millhopper Road in Gainesville, while several other faculty members in Gainesville and at UF/IFAS research and education centers around Florida contribute to the center's mission.

Ferrell started at UF/IFAS in 2004 as an assistant professor of agronomy, specializing in weed science. Along the way, he's received numerous honors and awards, including Outstanding Extension Specialist, Researcher of the Year by the Florida Cattlemen's Association and Weed Scientist of the Year and Florida Weed Science Society. He earned his bachelor's and master's degrees in plant and soil science from the University of Kentucky. He earned his doctorate in agronomy from the University of Georgia in 2003.



Dr. Jay Ferrell

A graphic for Facebook. It features the Facebook 'f' logo in a blue square, followed by the text "LIKE US ON" with a thumbs-up icon, and the word "facebook" in its signature font. Below this, it says "Western Aquatic Plant Management Society - WAPMS".



Office	Name	Telephone	E-mail
President	Amy Ferriter	509-993-7490	amy.ferriter@cpsagu.com
Vice President	Andrea Sealock	925-685-8081	asealock@cygnetenterprises.com
Past President	Scott Nissen	970-222-6159	snissen@lamar.colostate.edu
Secretary/Treasurer	Toni Pennington	503-381-7892	toni.pennington@tetrattech.com
Director	Cody Greer	208-407-7678	cgreer@scbid.org
Director	Carolyn Ruttan	707-263-2256	carolyn.ruttan@lakecountyca.gov
Director	Mike Blankinship	530-219-1040	mike@h2osci.com
Director	Tom Warmuth	336-402-4449	twarmuth@biosafesystems.com

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.

Upcoming Annual Meetings of the National and Regional Aquatic Plant Management Societies

Sept. 11 – 13, 2017	Mid-South Aquatic Plant Management Society (MSAPMS) - Birmingham, AL	www.msapms.org
Oct. 4 – 6, 2017	South Carolina Aquatic Plant Management Society (SCAPMS) - Myrtle Beach, SC	www.scapms.org
Oct. 16 – 19, 2017	Florida Aquatic Plant Management Society (FAPMS) - Lake Buena Vista, FL	www.fapms.org
Nov. 27 – 29, 2017	Texas Aquatic Plant Management Society (TAPMS) - San Antonio, TX	www.tapms.org
Feb. 26 – Mar. 1, 2018	Mid-West Aquatic Plant Management Society (MAPMS) - Cleveland, OH	www.mapms.org
Mar. 26 – 28, 2018	Western Aquatic Plant Management Society (WAPMS) - Reno, NV	www.wapms.org
Jul. 15 - 18, 2018	Aquatic Plant Management Society (APMS) - Buffalo, NY	www.apms.org

PLEASE STAYED TUNED FOR:

⇒ WAPMS sponsored **WINTER WORKSHOP OPPORTUNITIES** - *Dates/Locations TBD.*

⇒ **A CALL FOR PAPERS: 2018 WAPMS Annual Conference** - *Coming Oct 2017.*

Questions? Contact Andrea Sealock asealock@cygnetenterprises.com