



Aquatic Plant News

The Newsletter of the Aquatic Plant Management Society, Inc. Fall 2025 – Issue 138

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APMS students kayaking the Blackstone River in Rhode Island

Letter from the President



Dear APMS Members,

I hope you had a fantastic summer and your field work is starting to slow down a bit. It never really stops, though... invasive aquatic species don't take a break and neither do we! As a result, we have to stay alert to keep protecting our waters from invasions so future generations can continue to enjoy these wonderful resources.

Our annual conference in Providence, Rhode Island was lively and well-attended despite many of our federal partners being unable to join us due to travel restrictions. The program included a total of 49 oral presentations (16 by students, 28 by delegates, 3 by sponsors, and 2 by nonprofits) and 15 poster presentations (9 by students and 6 by delegates). We had a respectable number of delegates, students, guests, exhibitors, and of course our generous sponsors, who contribute significant financial support to make our meeting affordable. The 2025 program had two special sessions: Tuesday's plenary session kicked off the conference with "The New Hydrilla in The Northeast", and Wednesday's plenary session was "Launch of the APMS-Led CAST HABs Paper".

The hydrilla session began with a recording by Senator Richard Blumenthal of Connecticut, followed by live presentations from Greg Bugbee and Jeremiah Foley (both from the Connecticut Agricultural Experiment Station) and recorded presentations from Keith Hannon and Ben Sperry (both from the U.S. Army Corps of Engineers). The recordings and pdfs of PowerPoint files from this session are available here: <https://apms.org/the-new-hydrilla-in-the-northeastern-us/> Jeremiah Foley was instrumental in developing this session, so thank you Jeremiah!

The CAST HABs paper session was organized and led by Gray Turnage, our outstanding CAST representative who has shepherded this white paper through an extremely long and arduous process – we're almost at the finish line! Gray started the session by describing the paper's history, objectives, and roadblocks, and was followed by Chris Boomsma, CAST CEO. We were fortunate to have several of the paper's contributors speak in this session as well – these included paper liaison Dail Laughinghouse, Heather Raymond, Triantafyllos Kaloudis (who contributed a recorded presentation), and West Bishop. The session concluded with a panel discussion led by Gray Turnage. Gray, this session wouldn't have happened without you, so I'm very grateful for your efforts – thank you!

Along with the technical program, the annual conference includes our annual business meeting, when we elect new members to the Executive Committee and Board of Directors. I'm happy to welcome our new Vice President Matt Johnson, and new Directors Carl Della Torre III and Mirella Ortiz. I also welcome our new Student Representative Amber Riner, and I'm pleased to report that Leif Willey is now Chair of the Education and Outreach Committee. Rotating off the Board in Providence were Gray Turnage, Troy Goldsby, and our student representative Corrina Vuillequez, and Jay Ferrell completed his term as Immediate Past-President, a role now taken over by the fearless Jeremy Slade. Thanks to all of you for serving in these important roles – the APMS is volunteer-driven and your contributions are critically important to the success of our society.

In non-conference related news, The Michael D. Netherland Graduate Student Research Grant (MDN GSRG) will be open for applications in 2026. More information will come from Vice President Matt Johnson, so keep an eye out for an announcement. This prestigious two-year research award is highly sought after, and we couldn't offer it without the ongoing support of our chapters throughout the country, so thank you chapters!

Finally, I'd like to give special thanks to Ryan Thum for nominating me to become President of APMS and to Jeremy Slade for his mentorship and guidance as I take over the helm of the society. I am only the third woman to be elected APMS President since the society's inception in 1961 and I'm following in the footsteps of Alison Fox (1998) and Linda Nelson (2011). I want to thank you for allowing me to serve as President of such a great society. I actually don't know how long I've been a member of APMS, but my first presentation at an APMS conference was in Tampa in 2004, and 2004 also marked my first publication in the Journal of Aquatic Plant Management... so it's been a minute! Thanks again for your confidence and support – I look forward to serving you through 2026 and I hope to see you July 13-16, 2026 at our 66th annual conference in Phoenix, Arizona.

Letter from the Secretary

Dear APMS Members -

I hope you all had a great time at our annual meeting in Providence! I found it to be a neat city with lots to do. Our next annual meeting in Phoenix 2026 will bring a different style than the northeast, but I am sure it will be memorable as well. This newsletter will highlight the meeting and provide those that could not attend a glimpse at the good time and fellowship that was had. We will show case our award winners and our wonderful students. I would like to give a shout-out to Dr. Lyn Gettys for putting together a great program, especially the session on algae and HAB's.



I would like to welcome our new slate of officers, with Carl Della Torre and Mirella Ortiz joining us on the board of directors, and our new vice president, Matt Johnson. Mike Greer has moved into the role of president elect, and will be putting together another soon to be fantastic program for Phoenix. Lyn Gettys is now our president and Jeremy Slade has transitioned to immediate past president. Be sure to check out our new board on the APMS website. And speaking of our website, I would like to welcome Leif Wiley as our new committee chair for education and outreach, who is doing a great job by the way. Christine Krebs served briefly in that role earlier this year, but had to step down as she changed positions at the University of Florida. We appreciate the work she did during her time with APMS and wish her well!

I would also like to make another special shout-out to Brittany Chessser, our social media chair extraordinaire. Brittany continues keep us in the forefront of the social media space, providing relevant and timely information for our members and the general public. She is also responsible for most of the pictures in this newsletter. Great job Brittany!

The students presentations and posters continue to demonstrate why we as a society provide support for our students. Every year the students amaze us with their creativity, ingenuity and professionalism. Be sure to check out the student tour and the award winners. We would like to recognize and thank our meeting sponsors and exhibitors, and a special thanks to our sustaining members. Please be sure to read about them in this newsletter. Without your collective support, we would not be able to provide excellent meetings, student scholarships and professional outreach to our members and the greater aquatic plant community!

Lastly, I want to thank each of you for your support (and patience) as I navigate my new role. I welcome any and all comments and will do my best to help keep the society running smoothly and efficiently.

Best,

Greg MacDonald, APMS Secretary

Update from the Editor

Journal of Aquatic Plant Management (JAPM) is an international Open Access scientific journal published by the Aquatic Plant Management Society since 1962, and Dr. Ramon Leon serves as Editor.

JAPM publishes original research, reviews, and short communications focusing on all aspects of aquatic plants including biology and ecology, vegetation management, field operations, and regulations. All manuscripts must mention and preferably discuss the relevance of the results for aquatic vegetation management. Our journal impact factor is 1.2.

Membership in the Aquatic Plant Management Society is not a prerequisite for publication, but authors are encouraged to join the Society. To join, please visit <https://apms.org/how-to-join/>

The Journal is published in two volumes each year (January and July), but articles are made available to the readership as soon as the edition process is completed. These are available on our website - <https://apms.org/journal/>

July 2025 Articles:

Cyperus blepharoleptos (Cuban bulrush) suitable habitat expansion in future climate scenarios - Samuel A. Schmid, Maxwell G. Gebhart, and Gray Turnage

Mesocosm evaluation of growth differences between Vallisneria taxa - Jens P. Beets, Benjamin P. Sperry, Ryan A. Thum, and Robert J. Richardson

Evaluating the effectiveness of long-term monitoring to detect declines in a large subarctic eelgrass meadow - Emily L. Weiser, John M. Pearce, Brian D. Uher-Koch, Vijay P. Patil, Alison R. Williams, and David H. Ward

Salinity tolerance of flowering rush, Butomus umbellatus - Andrew B. Coomes and Bradley T. Sartain

Evaluation of very-low volume herbicide applications for giant salvinia control - Andrew W. Howell, Erika J. Haug, Benjamin P. Sperry, and Robert J. Richardson

2025-26 Calendar of Events



49th Annual Training Conference for the Florida Aquatic Plant Management Society

October 6-9, 2025

St. Petersburg, FL

<https://fapms.org/conference/2025-conference>



2025 South Carolina Aquatic Plant Management Society Annual Meeting

October 13-15, 2025

North Myrtle Beach, SC

<http://scamps.org/meetings.html>



44th MidSouth Aquatic Plant Management Society Conference

November 3-6, 2025

Hot Springs, AR

<https://msapms.org/2025-annual-conference>



Annual Meeting of the Texas Aquatic Plant Management Society

November 3-6, 2025

Hot Springs, AR

To be held jointly with MidSouth APMS



North American Lake Management Society 45th International Symposium

November 4-7, 2025

Myrtle Beach Convention Center

<https://www.nalms.org/nalms2025/>



Northeast Aquatic Plant Management Society 27th Annual Meeting

January 6-8, 2026

Groton, CT

<https://www.neapms.org>

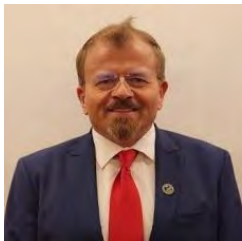


Weed Science Society of America 66th Annual Meeting

February 9-12, 2026

Raleigh, NC

<https://wssa.net/meeting/2026-annual-meeting/>



Science Policy Report

Lee Van Wychen - Director



MAHA Report Released September 9. Improvements Made Compared to May Draft.

On September 9, 2025, the Make Our Children Healthy Again (MOCHA) Strategy Report was published by the MAHA Commission. A follow-up to the first draft published in May 2025, the MOCHA Strategy Report outlines 128 policy recommendations to address the growing incidence of chronic illness among American children. While the MOCHA Strategy Report still identifies chemical exposure as a contributor to childhood chronic illness, the report's tone is tempered regarding any specific chemical threats. Special thanks to Science Policy Fellows Aleah Butler-Jones and Cole Woodward for in-depth analysis and help with article.

Shift in Tone on Pesticides

May 2025 report:

- Singled out glyphosate and atrazine for potential health effects.
- Relied on disputed or questionable sources for glyphosate claims.
- Warned about corporate influence and bias in pesticide science

September 2025 report:

- No longer singles out glyphosate or atrazine.
- Does not call for bans or direct restrictions on pesticide use.
- Promotes confidence in EPA's "robust" science-based pesticide review process.
- Calls for streamlining approval processes to ensure timely access to new pest-management products.
- Affirms that key crop protection tools will remain available to farmers.

Precision Agriculture & Innovation

- Strongly prioritized in the final report.
- Recommends research and programs to:
 - Optimize pesticide applications.
 - Reduce overall pesticide volumes.
 - Support farmer adoption of precision technologies.
- Encourages USDA-EPA partnerships with private industry for technology development and deployment.

Soil Health & Sustainability

- Expanded emphasis beyond pesticides.
- Promotes soil stewardship through programs like EQIP and CSP.
- Highlights practices that build soil organic matter and enhance soil composition.
- Encourages more locally driven decision-making in conservation efforts.

Public Education & Trust

- Encourages greater transparency and awareness of pesticide review processes.
- Positions EPA's regulatory role as rigorous and reliable.
- Shifts away from the earlier narrative of corporate manipulation of science.

Overall

- May 2025 report: adversarial tone, pesticide-focused critiques, suspicion of corporate influence.
- September 2025 report: tempered, farmer-friendly, focused on regulatory reform, precision agriculture, and soil stewardship.
- Implementation and adoption will determine whether these strategies meaningfully improve agricultural practices and public health.

USDA Announces Major Reorganization Plan

On July 24, 2025, USDA Secretary Brooke Rollins announced a multi-year agency reorganization plan that will relocate more than half of its Washington, DC-based workforce to five regional hubs—Raleigh NC, Kansas City MO, Indianapolis IN, Fort Collins CO, and Salt Lake City UT. On August 1, Secretary Rollins announced a 30-day public comment period for stakeholders to provide feedback on the Department's reorganization plan, as outlined in the Secretary's memorandum (PDF, 2.6 MB) Please see below for more details.

The plan includes the phased closure of three or four of the 94 USDA ARS research facilities, including the Beltsville Agricultural Research Center and the George Washington Carver Center in Maryland. The U.S. Forest Service conducts research currently in 5 regional stations. Those labs would be consolidated at a single station in Fort Collins, CO risking the loss of regional expertise and long-term forest experiments.

Of the approximately 4,600 USDA employees currently based in the Washington DC region, no more than 2,000 would remain after the reorganization is complete. The rest would be transferred to regional offices in an effort "to better serve rural communities and reduce operational costs". While no layoffs are planned, significant staff attrition is expected.

All stakeholders, including USDA employees, members of Congress, and agricultural and nutrition partners, were encouraged to provide feedback to reorganization@usda.gov by August 26, which has been extended to September 30, 2025. The National and Regional Weed Science Societies expressed their opposition to any proposal under the USDA Reorganization Plan that would result in the closure or downsizing of ARS laboratories.

Appropriations for EPA – Mixed News

The EPA's enacted budget for FY 2025 budget was \$9.14 billion, but the proposed FY 2026 budget from the President requested only \$4.16 billion, a 54.5% reduction. This cut would significantly impact programs like state grants, water infrastructure funding, and enforcement. The EPA is funded under the Interior & Environment Appropriations Subcommittee in both the House and Senate. The House passed their version of the bill on July 22 by a partisan vote of 33 to 28. The Senate passed their version of the Interior & Environment appropriations bill on July 24 by a vote of 26 to 2. The House version proposes \$7.01 billion for EPA in FY 2026, a 23% reduction. The Senate version proposed a less drastic cut to \$8.64 billion, or a 5% reduction compared to FY 2025. On the bright side, both the House and Senate bills maintained pesticide licensing, which was one of the few EPA programs spared. The Office of Pesticide Programs (OPP) funding was held level at \$134 million, which is a definite win in this budget environment. Report language in the bill also calls for reducing the backlog and timely completion of a third-party audit as required in PRIA 5.

Congress Pushes Back on Presidents Deep Cuts to Interior

For the Department of the Interior FY 2026 funding, both the House and Senate proposed smaller cuts--and in some cases, increases--compared to the President's budget request. In the House, considerably less severe funding cuts are proposed for the Bureau of Land Management (-8% vs. -32%), the U.S. Fish and Wildlife Service (-6.5% vs. -32%), the U.S. Geological Survey (-5.6% vs. 39%), and the National Park Service (-6% vs. -37%) compared to the President's request. The USGS Ecosystems Mission Area, slated for termination in the President's proposal, would shrink by only 3% to \$290 million in the House bill.

The Senate has adopted a more generous approach: USGS is looking at a 2.4% increase, with its Ecosystems Mission Area slated for a nearly 3% boost to \$308 million, compared to the President' proposed elimination of the program. The National Park Service is looking at a 2% cut, the U.S. Fish and Wildlife Service is facing a 1% cut, and the Bureau of Land Management is slated for a nearly 3% cut. The U.S. Forest Service, targeted for a 75% reduction in the President's proposal, would see nearly level funding in the House (-0.2%) and a 1% increase in the Senate.

Adam Telle is new Assistant Secretary of Army - Civil Works

On August 2, Adam Telle was confirmed by the Senate on a 72-22 vote to be the new Assistant Secretary of Army- Civil Works (ASA (CW)). Telle is a native of Northport, AL and a graduate of Mississippi State University. He has spent the last 20 years in DC, including 10 of those years working for Senator Thad Cochran (R-MS) who was a strong supporter of the U.S. Army Engineer Research and Development Center (ERDC) in Vicksburg, MS. He had strong support from Sen. Bill Hagerty (R-TN), where he has served as his Chief of Staff for the past 4 years. As ASA(CW) Telle will carry out the administration's priorities relating to ports, waterways, and flood control infrastructure. Specifically, the ASA(CW) establishes policy direction and provides supervision of the Department of the Army for authorized civil functions pertaining to river and harbor, flood and storm damage reduction, shore protection, aquatic ecosystem restoration, and related efforts.



Army Corps' Aquatic Plant Control Program at Risk Without Research Funding

The U.S. Army Corps of Engineers' (USACE) Aquatic Plant Control (APC) program — the only federally authorized initiative dedicated to the research and development of science-based strategies to manage invasive aquatic plants — is facing a critical funding shortfall. Established in 1958 under Section 104 of the River and Harbor Act, the APC program plays a vital role in protecting U.S. waterways from noxious aquatic plants that threaten navigation, flood control, agriculture, fish and wildlife habitat, and public health. For more than six decades, it has led the charge in developing and sharing new technologies to manage aquatic invasive species, such as hydrilla and Eurasian watermilfoil, which now threaten to spread across an additional 5 to 7 million acres if left unchecked. Despite its proven return on investment and its small footprint in the Corps' \$10 billion budget, the program received no dedicated funding in FY 2025, jeopardizing ongoing research and development critical to ecosystem health and waterway management. From FY 2018 to FY 2024, funding for APC research has hovered between \$5 and \$7 million annually.

The outlook for FY 2026 remains uncertain. While the House Energy and Water Appropriations Subcommittee included \$3 million for APC research in its July 17 markup, the USACE FY 2026 Work Plan still includes \$0 for the program. Aquatic plant management leaders remain hopeful that the Senate will prioritize APC funding when it reconvenes after the August recess.

Leaders from the Aquatic Plant Management Society (APMS) and its affiliate societies, as well as the Weed Science Society of America (WSSA), Aquatic Ecosystem Restoration Foundation (AERF), and North American Lake Management Society (NALMS) have urged appropriators and USACE leadership to recognize the importance of continued investment in APC research. Their joint letter underscores the program's national significance and calls for restored funding to ensure effective, science-driven aquatic invasive species management continues.



Senate Confirms Brian Nesvik as New Director of the U.S. Fish and Wildlife Service

On August 1, 2025, the Senate confirmed Brian Nesvik on a 54-43 vote to be the next Director of the U.S. Fish and Wildlife Service (USFWS). Nesvik is a native of Caspar, WY and spent 30 years with the Wyoming Game and Fish Department and served as the agency's director from 2019 until his retirement in 2024. He also served in the Army National Guard for 35 years. Senator John Barrasso (R-WY), on behalf of the nominee, said "I look forward to working with Brian to restore science to conservation policies." Some organizations, like the Sierra Club, have opposed Nesvik's nomination to the position, citing his support for removing Endangered Species Act (ESA) protections for grizzly bears. Others, like the Theodore Roosevelt Conservation Partnership, welcomed his confirmation, citing their longstanding collaboration and expressing optimism about working together to conserve fish and wildlife habitats while enhancing hunting and fishing opportunities.

Regulatory Overhaul Needed to Advance Ag Technology, Lawmakers Told

On July 22, 2025, four panelists representing ag technology interests called on Congress to overhaul federal regulations to speed the approval of new ag technologies. Speaking before the House Agriculture Committee in a hearing titled "Past Breakthroughs and Future Innovations in Crop Production", they pointed to long delays at the EPA that are stalling innovation in crop protection tools. Don Cameron, vice president and general manager of Terranova Ranch in California's Central Valley, said EPA staffing shortages are a major factor slowing the registration process. There simply aren't enough EPA staff to keep up with the workload.

Terry Abbott, chairman of the Council of Producers and Distributors of Agrotechnology (CPDA), noted that more than \$500 million worth of member-developed products are currently stuck in the EPA's regulatory backlog. He urged Congress to fully fund the agency's Office of Pesticide Programs (OPP) and to update the Pesticide Registration Improvement Act (PRIA) to strengthen transparency and predictability in the review process.

Comment Period Opens for Proposed New Rule on Drone Beyond Visual Line of Sight (BVLOS)

On August 5, 2025, the Federal Aviation Administration (FAA) released a new proposed rule that would eliminate the requirement for operators to view drones in their visual line of sight. By eliminating these requirements, the Department of Transportation (DOT) believes the proposal will significantly expand the use of drones in farming. For more information about the proposed rule, see the Federal Aviation Administration's (FAAs) Beyond Visual Line of Sight (BVLOS) fact sheet. The comment period for the new proposed rule closes on October 6, 2025.

PERC Releases Unmanned Aerial System Task Force Recommendations for Pesticide Applicator Training Materials

On August 6, 2025, the Pesticide Educational Resources Collaborative (PERC) announced the release of the Unmanned Aerial Systems (UAS) Task Force Recommendations Report, a comprehensive set of training content considerations designed to support states, tribes, and territories in the certification of pesticide applicators using UAS.

Student Activities

Dr. Andrew Howell, with a great supporting cast of Leif Willey and Sam Sardes, provided a great tour for the students. The "trapa" tour allowed the students to see and understand the issues with water chestnut (*Trapa natans*). Water chestnut is a floating invasive species found throughout much of the northeastern U.S. It sprouts from seeds and is loosely anchored to the hydrosol. Underwater leaves are finely segmented, but floating leaves are distinctly triangular and toothed with swollen petioles. They say experiential learning is the best teaching so the students got out on the water and 'experienced' hand-harvesting. They collected several hundred pounds of plants and had a great time! Thanks to all that helped make this tour and experience a success!



The students also participated in the APMS sponsored student luncheon. In this venue they had the opportunity to interact and meet with industry partners and university faculty. They also had the chance to interact with some of our guest speakers from national and regional agencies and organizations.



Presidents Reception



Exhibitors



APMS 65th Annual Meeting - Providence, Rhode Island



Women of Aquatics

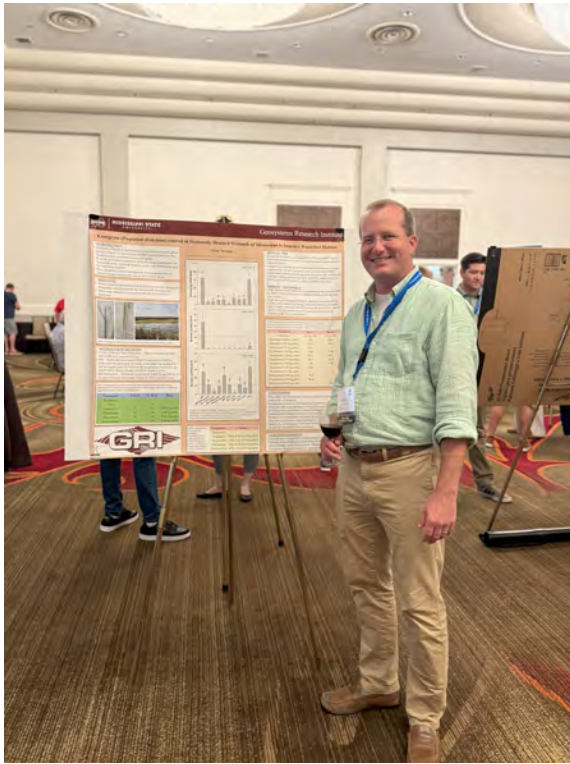


Past Presidents



Regional Chapter Luncheon

Poster Reception



Student Award Winners

Poster Presentation Winners



1st Place - Delaney Davenport
North Carolina State University



2nd Place - Olanrewaju Adeyemi
Utah State University



3rd Place - Corrina Vuillequez
University of Florida

Paper Presentation Winners



1st Place - Maxwell Gebhart
Mississippi State University



2nd Place - Delaney Davenport
North Carolina State University



3rd Place - Amber Riner
University of Florida

Outstanding Graduate Student Award Samuel Schmid - Mississippi State University



Outgoing and New Board Members



Outgoing Student Director - Corrina Vuillequez



Outgoing Board Director - Gray Turnage



Outgoing Board Director - Troy Goldsby



Outgoing APMS Secretary - Amy Giannotti



2025-26 APMS Board of Directors

Left to Right - Matt Johnson, Vice President; Amber Riner, Student Rep; Carl Della Torre - Director; Greg MacDonald - Secretary; Jeremy Slade - Immediate Past President; Lyn Gettys - President; Brittany Chesser - Director and Social Media Chair; J.J. Ferris - Director
Not pictured - Mike Greer - President Elect; Mirella Ortiz - Director, Damian Walter - Director; Amy Smagula - Director; Justin Nawrocki - Treasurer

Aquatic Plant Management Society - Awardees 2025



Terry McNabb - Honorary Member



*Gray Turnage - Outstanding Research/
Technical Contributor Award*



*Terry McNabb - APMS Appreciation of
Student Scholastic Support*



*John Madsen - APMS Appreciation of
Editorial Service*



*Sherry Whitaker - T. Wayne Miller Distinguished
Service Award*



Jeremy Slade - Max McGowan Friendship Award

Other Awardees - not able to attend

Ramon Leon - Presidents Award

Dean Jones - Presidents Award

Kevin Murphy - Outstanding International
Contributor Award

Paul C. Kusnierz and Timothy D. Tholl -
Outstanding JAPMS Paper

Carlton Layne - Honorary Member

Email from Kevin Murphy - October 1

"Hi guys

*Well what can I say except I think you're all
bloody mad giving me an award. I do appreciate
it, though I apologize to Ryan for having to carry
a hundredweight of plastic across the Atlantic to
Portugal.*

More to come boys and girls, I'm not dead yet...!

Orrabest from Scotland

Kevin"

Sustaining Members

APMS wishes to express our gratitude to our Sustaining Members for their support during the 2024-2025 period. Sustaining Members play a crucial role in the success and sustainability of organizations like APMS.

If you're interested in learning more about what Sustaining Membership entails or if you want to become a Sustaining Member yourself, you can visit the following link for more information: [APMS Sustaining Members](#).

Sustaining Memberships often come with benefits like increased visibility, networking opportunities, and a deeper connection with the organization, so it can be a rewarding partnership for both the organization and its supporters.

Thank you all for your support in 2024-25!



[AgroShield](#) has been serving the Agriculture and Aquatic industries since 2015. Our Vodaguard product was developed to cure infections in the upper water column. Vodaguard's unique follow the bloom technology concentrates the cure where it is needed the most. Vodaguard C is a copper sulphate pentahydrate product. Vodaguard O is a sodium percarbonate that becomes hydrogen peroxide when introduced to water. Both products have a patented formulation that allows them to be buoyant for 24 to 36 hours. Reduces manpower, machinery, and un-necessary product which reduces cost. Please visit us at: <https://www.agro-shield.com/our-products/algaecides>.



Since 1981, [Applied Aquatic Management, Inc.](#), (AAM) has provided innovative and effective water management services, selective vegetation control, wetland management and exotic weed control. AAM has clients throughout Florida including developers, homeowners associations, golf courses, mobile home communities, utilities, local, state and federal government agencies and industry. Our experienced professional staff provides unique knowledge along with advanced equipment to manage all types of waterway, right-of-way, wetland, and upland systems.



[Aqua Services, Inc.](#) (Aqua Services) is a full-service water resource management company that has operated continuously in business for 40 years. In addition to its original focus on aquatic weed management operations for federal, state, and private entities, Aqua Services now provides superior fisheries population management, HAB and cyanobacteria control, lake design services, aeration design and installation, and soil sealant services to mitigate lake and pond seepage. Our experienced biologists and technicians work throughout the Southeast and Midwest to provide critical services to numerous clients. Successful projects have also been completed internationally, including the countries of Mexico and The Bahamas.

Sustaining Members



[AquaTechnex, LLC](#) is a lake and aquatic plant management firm that operates in the Western United States. The company is expert in the use of aerial and boat GIS/ GPS technologies to assess aquatic environments. The firm is also expert in the management of invasive aquatic weed species and phosphorous mitigation to suppress toxic cyanobacteria blooms. Our web site is www.aquatechnex.com; please drop by regularly to get news updates as we have moved our blog onto the site.



[Aquatic Control, Inc.](#) has been managing aquatic resources since 1966. As a distributor of lake management supplies, floating fountain aerators, and diffused aeration systems, Aquatic Control represents all of the major brands of quality supplies and equipment. Aquatic Control has eight offices that offer aquatic vegetation management services including vegetation mapping, application services, fountain and aeration system installation, equipment maintenance, and factory-trained service and warranty repair throughout the Midwest. Harmful Algae Bloom monitoring programs with our in-house laboratory allow us to customize treatment plan design through control of the algae causing taste and odor or toxin production issues.



Aquatic Vegetation Control, Inc. (AVC) is a Florida corporation founded in 1986 offering vegetation management and general environmental consulting services throughout the southeast. Since its establishment as an exotic/nuisance vegetation management company specializing in the control of invasive wetland, aquatic and upland species, AVC has broadened its scope of capabilities to include; certified lake management, fish stocking, re-vegetation, mitigation and restoration services, mitigation monitoring services, aquatic, roadside, forestry and utility vegetation management, and environmental/ecological consulting.



Brewer International is a reputable manufacturer of aquatic and land management adjuvants that has been providing distribution services nationwide for over 40 years, with its headquarters located in Vero Beach, Florida. The company specializes in producing surfactants designed to improve pesticide penetration, wetting, bonding, and drift control. Our products are widely utilized by aquatic and land managers across the country to enhance pesticide uptake, thereby increasing efficiency while reducing the chemical footprint in natural environments. As a family-owned business, Brewer International is committed to producing only the highest- quality products and has consistently invested in product development and manufacturing innovation to provide its distribution partners with the best possible value. We take great pride in our reputation as a reliable partner, providing superior quality products that meet and exceed industry standards.



Chem One is a national leader of Organic Copper Sulfate for aquatic management. With eight standard EPA label grades; Fine 20, 25, 30, 100, 200, Small, Medium and Large. Chem One has a grade to meet every customer's needs. With our corporate offices and 78,000+ square foot warehouse in Houston, Texas, Chem One is a national wholesale company that is certified to ISO 9001, ISO 14001, OHSAS 18001.



Compliance Services International (CSI) is a leading regulatory consultancy providing innovative solutions for organizations faced with regulatory and environmental challenges. CSI's experienced scientists and regulatory specialists in the USA and the EU provide innovative approaches to solving regulatory and environmental challenges – combining traditional sciences with developing technologies to deliver economically sensible and scientifically sound results.

Sustaining Members



[Cygnets Enterprises, Inc.](#) is a national single source distributor of aquatic management products with offices and warehouses in Michigan, Indiana, Pennsylvania, North Carolina, California and Idaho. Cygnets is proud of its reputation for outstanding service, friendly, knowledgeable staff and our unmatched support of the aquatics industry. Cygnets Enterprises is the only aquatic distributor at the Charter Gold Member level in the Aquatic Ecosystem Restoration Foundation (AERF).



Since 1973, Diversified Waterscapes, Inc. has offered lake management services and ecological products to professional applicators. Our proven field experience in pond and lake cleaning enabled us to develop an eco-friendly line of products that show dramatic results in any aquatic environment. With more than 45 years of experience, we have been providing aquatic treatment products and maintenance service for some of the world's best water features, including the famous Bellagio Fountain in Las Vegas – delivering clearly better results without harming the environment. Our mission is to combine extensive industry experience, mechanical aptitude and scientific knowledge to bring clarity, cleanliness and beauty to water features across the country.



Duke Energy “Building a smarter energy future”. Duke Energy (NYSE: DUK), a Fortune 150 company headquartered in Charlotte, N.C., is one of the largest energy-holding companies in the U.S. It employs 30,000 people and has an electric generating capacity of 51,000 megawatts through its regulated utilities, and 3,000 megawatts through its nonregulated Duke Energy Renewables unit. Duke Energy is transforming its customers' experience, modernizing the energy grid, generating cleaner energy, and expanding natural gas infrastructure to create a smarter energy future for the people and communities it serves. More information about the company is available at duke-energy.com. Follow Duke Energy on Twitter, LinkedIn, Instagram and Facebook.



Lake Restoration, located in MN, has specialized in controlling pond weeds, lake weeds, and nuisance algae since 1977. Lake Restoration's product line-up includes: Mizzen, a copper based algaecide, Spritflo and Dibrox herbicides, a variety of pond dyes and nutrient reducers. Lake Restoration also manufactures the TORMADA product application boat, Vitaflume floating fountains, the retractable Goose D-Fence system, and the patented LAKEMAID to eliminate lake weeds automatically.



The Lee County Hyacinth Control District was formed by the Florida Legislature in June 1961 to curtail excessive growths of water hyacinth. That same year, water managers from across the state convened in Lee County and formed the Hyacinth Control Society, now APMS, to share control strategies and develop a comprehensive management approach to Florida's most prolific aquatic plant. T. Wayne Miller, Jr. of Lee County served as the Society's President for the first two years and Lee County has been a supporting member of APMS since its inception.

Sustaining Members



[Maxunitech](#) is an integrated enterprise focusing on the Research and Development, production, sales of agrochemicals, and relevant intermediates and other fine chemicals. Established in 2000, under the principles of “people oriented, united for innovation and pursue excellence,” we have been researching and developing new products, solving commercial issues from the perspective of technology, and fulfilling enterprise value with value added for our clients.



For more than 100 years we've been growing with you, bringing crop protection choices to our supply partners and the growers they serve. Nufarm solutions are developed and manufactured right here in America from three state-of-the-art US manufacturing facilities.



Nutrien Solutions is a full-service vegetation management company, providing innovative solutions and quality products for the aquatic plant management industry. The cornerstone of our success is our highly educated and trained field staff. With strong commitments to environmental stewardship, innovation, and technology, Nutrien Solutions provides customized programs tailored to specific locations throughout the U.S. We are the country's leading vegetation management provider, and we're excited to introduce you to everything Nutrien Solutions has to offer.



At Oase Professional, our mission is to restore and sustain healthy, balanced aquatic ecosystems through efficient, all-in-one lake therapy solutions. By targeting eutrophication at its source, we address critical carbon, nitrogen, and phosphorus (C:N:P) ratios to improve water quality and sediment health. Our advanced technologies boost dissolved oxygen throughout the water column and sediment, stabilize pH levels, and correct nutrient imbalances—all while fostering biodiversity. With innovative, sustainable treatments, we create thriving aquatic environments that serve both people and nature, now and for future generations. Oase Lake Therapy — Efficient, holistic and sustainable. Visit us at oaselaketherapy.com



SOLitude Lake Management is a nationwide environmental firm committed to providing sustainable solutions that improve water quality, enhance beauty and preserve natural resources. SOLitude's team of aquatic scientists specializes in the development and execution of customized lake, stormwater pond, wetland and fisheries management programs. Services include water quality testing and restoration, algae and aquatic weed control, installation and maintenance of fountains and aeration systems, shoreline erosion control, muck and sediment removal and invasive species management. SOLitude partners with homeowners associations, golf courses, private landowners, businesses and municipalities. For more information, visit SOLitude Lake Management at solitudelakemanagement.com.



Shoreline Aquatics provides a range of services to ensure that your lake or pond is healthy, balanced, and thriving. From water testing and analysis, to aquatic weed control and fish stocking, we have the expertise and equipment necessary to keep your aquatic environment in top condition.

Sustaining Members



Invasive weeds can devastate both natural and commercial habitats. [Syngenta](#) provides high performance products to control destructive weeds while helping to restore the habitat of aquatic environments. Syngenta offers proven aquatic herbicides like Reward® and Tribune™ that provide fast burn-down, work well in cool weather and are rainfast in as little as 30 minutes. The active ingredient, diquat dibromide, has been used successfully in sensitive aquatic areas for over 25 years.



UPL NA, Inc. is a premier supplier of crop protection products and technologies designed for the agricultural, specialty, fumigation and aquatic markets. The Aquatics Division is part of the Environmental Solutions group which has manufactured aquatic herbicides and algaecides for the management of lakes, ponds, rivers and irrigation canals for more than 40 years. These products are marketed as Aquathol®, Hydrothol®, AquaStrike®, Current®, Symmetry®, Cascade®, Teton®, and Top Deck™. Most recently the development and commercialization of the ADAPT aquatic drone boat for improved application accuracy and efficiency was launched. With a customer-centric focus, UPL is committed to providing product stewardship and technical support to ensure your plant management operations are successful.

**Incorporated in 1961 as a forum to share
water hyacinth control experiences,
today APMS and its seven Regional
Chapters promote research and out-
reach to manage all species of aquatic
plants and algae.**



General Info for Membership, Etc.

The Aquatic Plant Management Society, Inc. is an international organization of scientists, educators, students, commercial pesticide applicators, administrators, and concerned individuals interested in the management and study of aquatic plants and algae. The membership reflects a diversity of federal, state, and local agencies, universities and colleges around the world, corporations, and small businesses.

● VISION

The Vision of the Aquatic Plant Management Society is to be the leading international organization for scientific information on aquatic plant and algae management.

● MISSION

The Mission of the Aquatic Plant Management Society is to provide a forum for the discovery and dissemination of scientific information that advances aquatic plant and algae management policy and practice.

● STATEMENT ON EQUITY, DIVERSITY, & INCLUSION

Creating an atmosphere of inclusion is vital to the Aquatic Plant Management Society (APMS). Contributions and perspectives from all members, students, event participants, and our local and international communities are important. Diversity includes age, culture, disability, ethnicity, gender, national origin, color, race, religion, sexual orientation, and diversity of thoughts and ideas. We recognize that embracing and encouraging diversity is critical to fulfilling our mission to 'Provide a forum for the discovery and dissemination of scientific information that advances aquatic plant and algae management policy and practice'. APMS will strive to further cultivate a Society built on mentorship, encouragement, tolerance, and mutual respect, and foster a welcoming environment for all.

To join, visit this link: <http://www.apms.org/society/membership/>

To renew a membership, login and visit this link: <http://www.apms.org/member-login/>

Follow us on Social Media at:



@apmsociety



@APMS1961



APMS now has a Professional Organizational Page (@Aquatic Plant Management Society), as well as a Public Group

Many of our regional chapters are active on social media, too. Give them a like and a follow!