Mid-South Aquatic Plant Management Society

Vol. 37 Issue: 2



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38th Annual Mid-South Aquatic Plant Management Conference

November 4-6, 2019 Hilton Baton Rouge Capital Center Baton Rouge, LA



Call for Papers Deadline:

September 1, 2019

Early Registration Deadline: October 4, 2019

Early Hotel Reservation:

October 14, 2019

The Mid-South Aquatic Plant Management Society will hold our 38th annual meeting at the Hilton Baton Rouge Capital Center in Baton Rouge, LA. Please visit the conference webpage at http://www.msapms.org/conferences/2019/ for more information.

38th Annual Meeting of the MidSouth APMS Registration Form

Delegate/Student Information

All and the

Name:			
Affiliation:			
Address:			
City: State:		Zip Code	
E-mail Address:			
Phone:			
Registration (Includes Reception, Lunch, Banguet, and Refreshment Breaks)			
	Early		
Delegate Registration	by October (by October) (by October)		\$
(Includes 2019-2020 Regular Membership Dues)	\$ 100.0	¢ 100.00	*
□ Aquatic Plant Management Workshop Tour	\$ 25.0	0 \$ 25.00	\$
⊐Student Registration (Presenting Paper)	\$ 0.0	0.00	\$
Student Registration (Not Presenting Paper) (Includes 2019-2020 Student Membership Dues)	\$ 35.0	0 \$ 35.00	\$
□ Guest Registration Name	\$ 50.0	0 \$75.00	\$
(Spouse, partner, child over 12 years-of-age)			
19-2020 Membership Dues			
□ Student	\$ 5.0	0	\$
Sustaining	0	\$	
•• PLEASE NOTE that Sustaining membership dues are included with an Exh	ibit Space Fee		
eeting Sponsorship		¢ 1750.00	¢
Platinum Gold		\$ 1750.00 \$ 1250.00	\$ \$
Silver		\$ 750.00	\$
□ Contributing		\$ 500.00	š
xhibitor Space (Includes 1 booth space, 1 free registration and 1 Sustaining M	lembership for	2019-2020)	-
□ Exhibit Booth Space (8'x 10', 6-foot table, electrical hook-up available with prior notice)			\$
Electricity Required for Exhibit			
Newsletter Advertisement (Includes advertisement in 2019-2020 Newsletter	rs)		
□ Full Page		\$ 400.00	\$
□ Half Page		\$ 200.00	\$
Quarter Page			\$
Business Card		\$ 50.00	\$
Total Amount			s
Credit Card TypeCard Number			Exp
Card HolderSignature			
Address Associated with Card if different from above: City: State:		Zin Code	
City: State:		Zip Code	
Please mail completed form and payment to: are full Harry Knight refund MSAPMS of part 14 Valerie Ln Notice Cullman, AL 35058 MSAP		Cancellation/Refund i are fully refundable pri refund of any fees will of participation is recei Notice of cancellation i MSAPMS via mail, fa	or to Oct. 4, 2019. N be issued if cancella ved after Oct. 4, 201 must be received by x or e-mail. Phone
			he accented.

Student Scholarships

2019 Mid-South Aquatic Plant Management Society Scholarship

The MSAPMS is seeking applications for the 2019 graduate student scholarship to be awarded at the 2019 annual meeting. We request that the successful applicant attend the meeting and give a presentation of research progress and results as they are available. One scholarship of \$2,000 will be awarded to a qualified student applicant enrolled and studying aquatic plant science of other relevant research.

The scholarship committee should receive the following information by October 1, 2019:

1. A cover letter which includes the applicant's previous, current, and future relationship to the field of aquatic plant management, and a comment on the importance of the proposed research to aquatic plant management.

2. Copies of unofficial or official transcripts of undergraduate and any graduate work completed to date (these transcripts may be those issued directly to the student by the institution).

3. A letter from the student's major professor recommending the student for the scholarship, indicating that the student is currently enrolled and in good standing, and has had their research proposal approved by their graduate advisory committee.

4. A copy of approved graduate research proposal;

5. One letter of recommendation, other than the major professor.

All Submissions may be made with either hardcopy, addressed as below or electronically via e-mail.

To enter an application or request more information, contact: Dr. Brett M. Hartis, Ph.D. Brett.Hartis@duke-energy.com

Update Regarding the Florida Fish and Wildlife Conservation Commission (FWC) Temporary Pause of Aquatic Herbicide Treatment Program

On February 21, 2019 following a brief "pause" in maintenance control activities and stakeholder listening sessions around the state of Florida the FWC Commissioners directed staff to move forward with improvements to Aquatic Plant Management Program.

The Florida Fish and Wildlife Conservation Commission (FWC) today heard a staff update regarding the agency's longstanding Aquatic Plant Management Program.

Commissioners directed staff to move forward with significant changes informed by stakeholder input. These enhancements include:

- * Expanding the creation of habitat management plans for individual lakes.
- * Forming a Technical Assistance Group consisting of staff, partners and stakeholders.
- * Improving timing of herbicide-based invasive aquatic plant removal treatments.
- * Increasing coordination with manual invasive aquatic plant harvesting companies.
- * Exploring new methods and technologies to oversee invasive plant herbicide application contractors.
- * Developing pilot projects to explore better integrated plant management tools.

"Invasive plants are a serious threat to Florida's waterbodies, and we know from history that they can cause considerable harm in a short amount of time. We are resuming our management program with a commitment to these enhancements," said FWC Executive Director Eric Sutton, "and will solicit alternative methods, working with research partners and others - especially in south and south central Florida."

Staff are in the process of conducting a series of public meetings which have provided the public with an opportunity to provide feedback about management activities on Florida waterbodies. The feedback collected at these meetings will help guide staff as they make improvements to the program.

"I applaud staff for hitting pause, and I know that impacted a lot of people. But sometimes in order to raise awareness and create dialogue you have to do that," said Commission Vice Chair Mike Sole. "The feedback we received from stakeholders has been tremendous and will help us improve this necessary program."

For details on the two remaining meetings, visit MyFWC.com/AquaticPlants and click on "Learn More." You can also provide comments by emailing <u>Invasiveplants@myfwc.com</u>.

2018 WSSA Weed Survey of Aquatic Weeds

The 2018 survey results for weeds in aquatic and non-crop areas are now available at http://wssa.net/wssa/weed/surveys/. The most troublesome aquatic weed was hydrilla and most troublesome in the four non-crop areas was cogongrass. Not surprisingly, both weeds are on the federal noxious weed list. What was surprising is that hydrilla was also the most common aquatic weed in the U.S. (See Aquatic weed survey results below)

Top 10 Most <u>Common</u> Weeds Among Canals, Lakes, Reservoirs, Rivers, Ponds (Combined) (93 Total Survey Respondents)	Top 10 Most <u>Troublesome</u> Weeds Among Canals, Lakes, Reservoirs, Rivers, Ponds (Combined) (93 Total Survey Respondents)
1 hydrilla (42)*	1 hydrilla (42)*
2 milfoil spp. (38)	2 milfoil spp. (38)
3 pondweed spp. (30)	3 water hyacinth (28)
4 waterhyacinth (26)	T4 alligatorweed (18)
T5 Ludwigia spp. (18)	T4 crested floating heart (18)
T5 naiad spp. (18)	T6 Ludwigia spp. (16)
T7 algae spp. (17)	T6 pondweed spp. (16)
T7 coontail (17)	8 algae spp. (14)
9 alligatorweed (16)	9 giant salvinia (13)
10 water lettuce (13)	10 tie among 2 species (11)
*number of survey respondents who listed the weed species as one of their top 5 weeds	*number of survey respondents who listed the weed species as one of their top 5 weeds
- milfoil spp. included Eurasian, variable and hybrid watermil- foil and parrotfeather	-milfoil spp. included Eurasian, variable and hybrid watermil- foil and parrotfeather
- pondweed spp. included curlyleaf, American, leafy, floating- leaf, small, variable, and waterthread pond-weed	-Ludwigia spp. included creeping water primrose and water primrose
-Ludwigia spp. included creeping water primrose and water primrose	- pondweed spp. included curlyleaf, American, and variable pond-weed
-naiad spp. Included southern and brittleleaf naiad.-algae spp. Included Spirogyra, Pithophora, filamentous and planktonic algae	-algae spp. Included Spirogyra, Pithophora, filamentous and planktonic algae

Mississippi Backwater Flooding

By: Bradley Sartain

Currently in Mississippi, an estimated 544,000 acres are submerged in floodwaters. A large portion of that acreage has been under water since February and it could be weeks or even months before the flood waters recede. The extensive flooding is located in the southern Mississippi Delta also referred to as the "Yazoo Backwater Area." Typically any flood threat is managed by opening the Steele Bayou water control structure just to the north of Vicksburg, MS. However, the high water level of the Mississippi River has prevented this from happening.

The Mississippi River has been above flood stage at Vicksburg for a record 129 days (as of June 24th), a new record since the 1927 flood, and because the water level of the river has remained above the Steele Bayou water control structure the backwa-ter area is not able to be drained. With no way to drain the water, local rainfall events continue to cause water levels to rise.

Nearly half of the 544,000 flooded acres is agricultural land, and many of the

farmers in the area will be unable to plant a crop this year and will experience a dramatic loss of income. This not only impacts the farmers but many of the small communities in the south Mississippi Delta that are very dependent on the jobs and services that the agricultural market provides. *Continued.*





The flooding is so extensive that numerous homes are only accessible by boat. Many of the residents in the Eagle Lake Community have been forced to evacuate as flood waters have overtaken the main roads and crept in to homes and businesses surrounding the lake.

Residents aren't the only ones that have been displaced. The half million acres of floodwaters have had a large impact on the wildlife.

The stress from the flooding is expected to have a negative impact on the white tailed deer population, as white-tail does typically drop fawns in late June and peak in early

July in the south Delta. It is anticipated that a large majority of the floodwater will still be present across the area during this time.

The flooding has caused farmers, Delta residents, and state politicians to call for the revival of Yazoo Pump Project, that was first developed by the Corps of Engineers in 1941.





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In 2008, the EPA vetoed the pump installation plan that would have enabled flood waters to be drained out of the Mississippi Delta if the Steele Bayou water control structure was not able alleviate the flooding. The project was vetoed due to concerns about the potential negative impacts it may have on wetlands and areas downstream. Consequently, there



have been two major flood events (2011 and 2019) in the south Mississippi Delta since the project was vetoed. Currently, the EPA is anticipating new research from the Corps of Engineers on the impact of the pump project.

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<u>A Note From The</u>

Editor

I am always looking for good material to include in the MSAPMS newsletter. If anyone has any news related to aquatic plant management or a unique experience that they would like to share in the newsletter, please contact me at one of the email address listed below.

Thank you -B. Sartain bradsartain@gmail.com Bradley.T.Sartain@usace.army.mil

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Terms and Conditions of the 2013 H20 Aquatic Herbicide Performance Guarantee apply. The maximum benefit a Qualifying Participant may receive during the 2013 Program Period is a \$50,000 contribution toward the cost of retreatment.

Now Available

Journal of Aquatic Plant Management Research Methods





The Aquatic Plant Management Society hopes this publication will set a standard for conducting high-quality research for the next several decades. As the pioneers of these techniques move into retirement, we hope this collection of articles will help prepare the next generation of aquatic plant managers to lead our discipline with innovation and passion.

-Jason Ferrell, Ph.D. Editor

Copies can be purchased from the Aquatic Plant Management Webpage www.apms.org We graciously acknowledge the support of our partners in this project. Without them, this publication would not have been possible.



Upcoming Annual Meetings/Events 2019

July 14-17 Western Aquatic Plant Management Society/Aquatic Plant Management Society; San Diego, CA

September 29-October 3 American Fisheries Society; Reno, NV

October 2-4 South Carolina Aquatic Plant Management Society; North Myrtle Beach, SC

October 27 –31 International Conference on Aquatic Invasive Species; Montreal, Q.C., Canada

November 11-15 North American Lake Management Society; Burlington, VT

Fall -dates TBD Texas Aquatic Plant Management Society; Bryan, TX

Thank you to Our Sustaining Members for Supporting the Mid-South Aquatic Plant Management Society!

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