

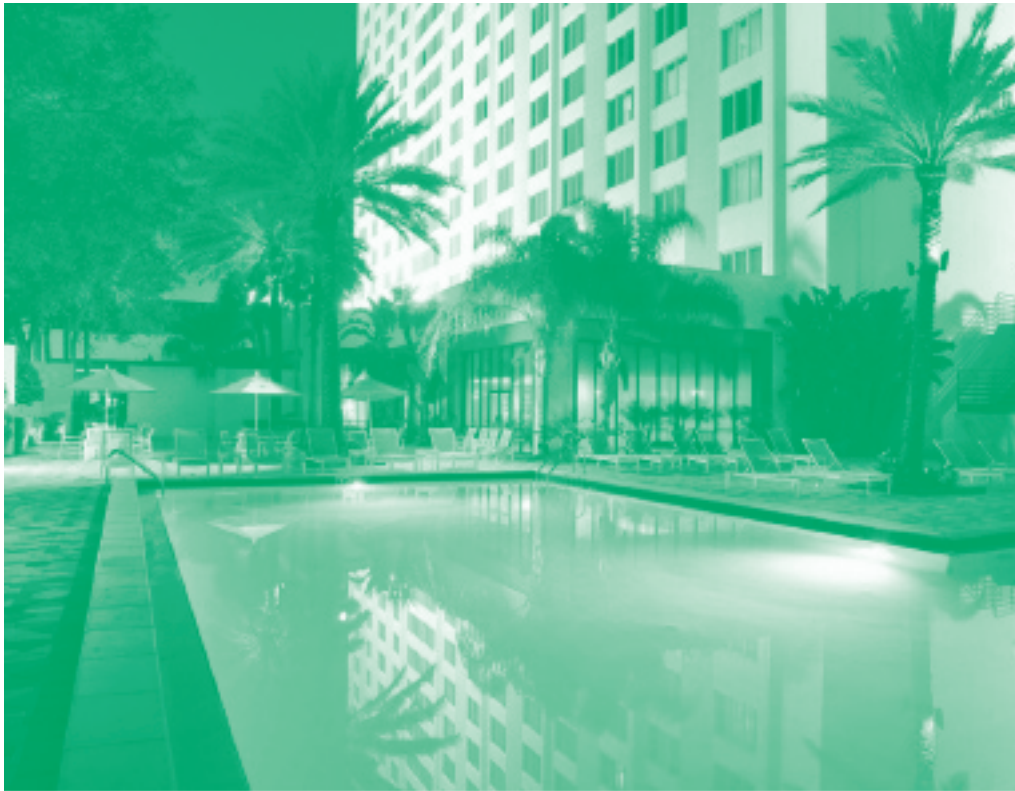


**Florida Aquatic Plant Management Society**

# **2023 -<sup>rd</sup> Quarter Newsletter**

## **Florida Aquatic Plant Management Society 47th Annual Training Conference**

**Oct 16th-19th, 2023**



**Hilton St. Petersburg Bayfront  
333 1st St S, St. Petersburg, FL 33701**

**Visit our website for more information**

**[WWW.FAPMS.ORG](http://WWW.FAPMS.ORG)**

# REVIEW OF THE 3RD QUARTER MINUTES

**Call to order – *President Lyn Gettys*** The meeting was called to order at 9:02 a.m.

**Roll Call – *Secretary Stephanie Walters***. Stephanie Walters took roll and a quorum was declared.

**Review of previous quarter minutes.** Review of 2<sup>nd</sup> quarter minutes, President Gettys asked if there were any changes, deletions or omissions, no noted changes. Sam Sardes made motion to approve the 2<sup>nd</sup> quarter minutes, Matt Phillips seconded, the motion passed unanimously.

**Vote for Approval or changes**

**Correspondence - *President Lyn Gettys*** No report.

**Treasurer’s Report – *Jennifer Myers*** See attached. Jennifer reviewed with the board the current treasurers report and noted Increases have taken effect.

**Secretary’s Report – *Stephanie Walters*** No report.

**Editor’s Report – *Shelby Thomas*** Welcomed Shelby to the board

- Spring Issue is in the final approval stages. Working with Amy during transition.
- A solicitation for the Summer Issue articles will be sent out on Friday, July 14.
- Article submission deadline will be August 15.
- Advertisements should be submitted to Angie prior to article submission deadline.
- I will release the 2023 submission deadlines in the coming month. I will be creating a magazine timeline that will be implemented in 2024.
- Please don’t hesitate to reach out if you need anything else! Jason asked about past articles being republished in comparison to today’s articles.

## ***\*APPROVAL OF THE OFFICERS REPORTS***

President Gettys requested a motion to approve the officers’ reports. Dean Jones made a motion to approve, Dharmen Setaram seconded, the motion passed unanimously.

## **COMMITTEE REPORTS:**

**Auditing - *Keshav Setaram*** No report.

**Awards – *Scott Glasscock*** No report. Matt Phillips made a motion to approve up to \$2500 for Awards for the annual meeting, Monty seconded, the motion passed unanimously.

**By-Laws – *James Boggs*** No report. Reminded the board on voting on a digital newsletter and slate at the annual meeting.

**Education & Outreach - *Matt Phillips, Co-Chair Skippy Fair*** Matt reviewed with the board reports submitted. Action item- to bring the Social media item to the board to see if we can better utilize social media to get our message out. Matt asked will E&O be responsible for keeping Social media updated. Skippy Fair has offered to chair Social media and asked about possible funding. President Gettys appointed Skippy as co chair for Education and Outreach, Shelby Thomas also offered to assist. The board has discussed the platform.

**Governmental Affairs - *Matt Phillips*** The 2023 legislative session came to a close in May. The Invasive Plant Management Section received an additional \$2.5 million from the legislature to be used in our Upland plant management program. This will increase the overall Section budget by that amount. Dean Jones asked about the Aquatic budget.

Staff are actively developing Legislative Budget Requests for the 24/25 fiscal year and are proposing increases in the upland and aquatic plant management programs.

**Historical - *Andy Fuhrman*** Everything is up not date. Keshav sent Lyn an email asking about past-presidents “where are they now”. Jason Cull suggested a follow up on past Scholarship winners and where they are now. Monty will reach out to Andy.

**Local Arrangements – *Bill Torres*** The yard cannot provide food and I’m working on moving the reception to Doc Fords at the St Pete Pier, and a potential site for the cornhole tournament or if not the hotel.

**Merchandising – *Steve Montgomery*** Will review budget and items with the board. Sam Sardes Made a motion to approve the budget up to \$3500, Matt Phillips seconded, the motion the motion passed unanimously.

# REVIEW OF THE 3RD QUARTER MINUTES

**Nominating – Steve Montgomery** See bios. Monty reviewed the proposed slate with the board, and stated he is working on the third directors position.

**Program – Ben Sperry** Ben reported the program is quickly filling up. There are still a few time slots available for those who still have not sent their information. Please get them in soon. I will have a draft program to share with the board soon.

**Resource & Demonstration – Dr Leary** Lyn Getys reviewed the report.

**Scholarship – Keshav Setaram** no report

**Vendor – Wykle Greene** Our 2022 meeting brought in \$26,500 in sponsorships from 21 different sponsors. An increase from \$22,750 in 2021. But still down from years prior to 2019. Emails are currently being sent out for sponsor requests. Please reach out and let me know if there's any company or group that would be interested in sponsoring this year.

Thank you, Wykle. President Getys encouraged the board to please work with Wykle on reaching out to new sponsors.

**Website - Angie Huebner** Currently reviewing the webpages and making updates as needed. Updates have been made to the carousel on the main page. If there is something the BOD wants added to the carousel, please send the information. In addition, please send items for the 2023 conference page.

Jen added that website is more user friendly.

**Advertising -** No updates.

President Getys asked if there were any questions or added items for reports. Matt made a motion to approve the committee reports, Shelby Thomas seconded, the motion passed unanimously.

**OLD BUSINESS:** Ad Hoc task assignments - Matt Phillips reviewed the attachments of the strategic planning meeting, Jason Cull and Jennifer Myers discussed promoting an entities outreach. Sam Sardes suggested boosting media presence, Jason Cull suggested working with Skippy Fair to add to the FAPMS social outlets.

## NEW BUSINESS:

**Jason Cull PPT Event App** is an app that can be used at the meeting for updates with the annual conference program. The app would be at a cost of \$2500 per year. The board had discussion on the benefits, Stephanie Walters mentioned to the board if we move to a digital format of the newsletter we can utilize that cost savings to put towards the app. Shelby Thomas and Jason Cull suggested having a poster or pop up banner showing the program agenda. The board discussed moving digitally across all outreach to minimize print cost and be more environmentally friendly.

Brett Boultemeir Ammend the motion to move to a fully digital Newsletter. Sam Sardes seconded, The motion passed unanimously. To be voted on at the annual business meeting.

Jennifer Myers nmade a motion to move forward with the digital app, Shelby Thomas seconded, the motion passed unanimously.

## 15 minute break.

Lyn addressed to the board that FDACS is also looking to move to digital CEU forms using a QR code. Brett Boultemeir cautioned for this year to soft launch the Digital format with a backup of paper forms. Jennifer Myers and Monty both stressed their concerns on the accountability of keeping up with digital applicator CEU's. Shelby Thomas presented to the board she was contacted by an outside group requesting the membership list, Stephanie Walters suggested an opt in for email addresses with the discretion of the board who has access to the email list. Jennifer Myers will look into it.

## Move into Executive session.

President Lyn suggested adding the code of conduct at the meeting and website.

## Site and Time Selection for next meeting:

**Time 2:00** Information will be sent out prior.

**Motion to adjourn** Jason Cull made a motion to adjourn Monty seconded, the motion passed unanimously.

**Adjourn: 11:45 am**

# 47TH ANNUAL TRAINING CONFERENCE PROGRAM

## Monday, October 16<sup>th</sup>, 2023

8:00 – 6:00	Exhibit/Vendor/Poster Setup – St. Petersburg Ballroom
2:00 – 5:00	FAPMS Board of Directors Meeting – Bayboro
2:00 – 5:00	Registration – Grand Bay Ballroom Foyer
3:00 – 3:15	Pre-Conference – Grand Central Room

## Tuesday, October 17<sup>th</sup>, 2023

7:15 – 9:15	Continental Breakfast – St. Petersburg Ballroom
8:00 – 10:00	Past Presidents Meeting/FAPMS Research and Scholarship Foundation Meeting – Hilton Training Ctr 1

### Session 1 Grand Bay Ballroom (CEUs: 1 Core, 1 Aquatic)

**Moderator: Ben Sperry**

10:00 – 10:25	Presidential Address <b>Lyn Gettys (UF)</b>
10:25 – 10:30	<b>Bultemeier QR code CEU</b>
10:30 – 10:55	Basic Hydrilla Biology <b>Jay Ferrell (UF CAIP)</b>
10:55 – 11:45 *50min	Spills, Thrills, and Guarding the Treasure: Pesticide Spill Cleanup, Transportation, Storage and Disposal <b>Brett Bultemeier (UF PIO)</b>
11:45 – 12:10	Taking Flight, Again: Where We Were, What's Changed, and Where We're Going <b>Colin Lewis (LCHCD)</b>
<b>12:10 – 1:10</b>	<b>LUNCH (On Your Own)</b>

### Session 2 Grand Bay Ballroom (CEUs: 2 Aquatic)

**Moderator: Alex Dew**

1:10 – 1:15	<b>PRIZE DRAWING</b>
1:15 – 1:25	Sponsor Update
1:25 – 1:50	Developing Aerial Surveillance Methods for Identifying Water Hyacinth ( <i>Eichhornia crassipes</i> [Mart.] Solms) on Lake Lochloosa in Florida <b>Amber Riner (UF)</b>
1:50 – 2:15	A Targeted Approach to Hydrilla Management on South Lake Utilizing In-Water Treatment of Florpyrauxifen-benzyl <b>CJ Greene (FWC)</b>
2:15 – 2:40	Long-Term Aquatic Habitat Monitoring of Florida Lakes in Support of Invasive Plant Management and Research <b>Kevin Johnson (FWC)</b>
2:40 – 3:05	Ecological Impacts of Invasives: What Really Makes Invasive Plants Bad? <b>Alex Dew (FWC)</b>
<b>3:05 – 3:20</b>	<b>BREAK – St. Petersburg Ballroom</b>

### Session 3 Grand Bay Ballroom (CEUs: 1 Aquatic, 1 Natural Areas)

**Moderator: Stephen Enloe**

3:20 – 3:25	<b>PRIZE DRAWING</b>
3:25 – 3:35	Sponsor Update
3:35 – 4:00	A Deep Dive on Submersible Drones <b>Kyle Thayer (UF FLREC)</b>
4:00 – 4:25	Management of Old World Climbing Fern ( <i>Lygodium microphyllum</i> ) under varied flooding regimes <b>Jonathan Glueckert (UF)</b>
4:25 – 4:50	Integrating Nutrient Control and Aquatic Plant Management Technologies

# 47TH ANNUAL TRAINING CONFERENCE PROGRAM

4:50 – 5:15                      **Daniel Canfield (UF)**  
An Evolving Paradigm for Invasive Plant Training and Continuing Education in  
Florida  
**Stephen Enloe (UF)**

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## End of Tuesday Regular Sessions

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5:30 – 6:00                      **Poster Competition** (St. Petersburg Prefunction)

6:00 – 8:00                      **President's Reception** (The Tavern at Bayboro)

8:00 – 10:00                    **Fishing Tournament** (Meet outside President's Reception)

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## Wednesday, October 18<sup>th</sup>, 2023

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7:00 – 8:00                      Continental Breakfast – St. Petersburg Ballroom

### Session 4 *Grand Bay Ballroom* (CEUs: 1 Aquatic, 0.5 Natural Areas)

**Moderator: Kelli Gladding**

8:00 – 8:05                      **PRIZE DRAWING**

8:05 – 8:25                      Sponsor Update

8:25 – 8:50                      Resistance Management for Controlling *Hydrilla verticillata* with Rotation of  
Herbicides and Integrated Biocontrol

**Kelli Gladding (UF CAIP)**

8:50 – 9:15                      Telling your story through a camera lens

**Cayla Romano (UF)**

9:15 – 9:40                      *Lygodium microphyllum* spore and juvenile gametophyte response to inundation

**Minjin Choi (UF)**

9:45 – 10:05                    **BREAK** – St. Petersburg Ballroom

### Session 5 *Grand Bay Ballroom* (CEUs: 2 Aquatic)

**Moderator: Ben Sperry**

10:05 – 10:10                    **PRIZE DRAWING**

10:10 – 10:20                    Sponsor Update

10:20 – 10:45                    Evaluation of Small-Scale Subsurface Penoxsulam Treatments on Waterhyacinth  
[*Eichhornia crassipes* (Mart.) Solms] and Waterlettuce (*Pistia stratiotes* L.)

**Hannah Brown (UF)**

10:45 – 11:10                    The Effect of Granular endothall placement on control of *Vallisneria americana*

**Corrina Vuillequez (UF)**

11:10 – 11:35                    Illinois Pondweed Common Nursery and Reciprocal Planting Research

**Lyn Gettys (UF FLREC)**

11:35 – 12:00                    Invert Spray System: Renewing an Old Technology

**Lee Martin (LCHCD)**

12:00 – 1:15                      **LUNCH (On Your Own)**

### Session 6 *Grand Bay Ballroom* (CEUs: 1.5 Aquatic)

**Moderator: James Leary**

1:15 – 1:20                      **PRIZE DRAWING**

1:20 – 1:30                      Sponsor Update

1:30 – 1:55                      Beyond the Application

**Alex Onisko (SFWMD)**

1:55 – 2:20                      Ecosystem Management in Vegetation Based Stormwater Treatment Areas

**Tadese Adeagbo (SFWMD)**

# 47TH ANNUAL TRAINING CONFERENCE PROGRAM

2:20 – 2:45 Field Testing the Performance and Selectivity of Discrete In-water Applications of Imazamox on the invasive Water Hyacinth (*Eichhornia crassipes*)

**James Leary (UF)**

2:45 – 3:05

**BREAK** – *Coquina E – H*

## **Session 7 Grand Bay Ballroom (CEUs: 2 Aquatic)**

**Moderator: Ben Sperry**

3:05 – 3:10

**PRIZE DRAWING**

3:10 – 3:25

**FAPMS Annual Business Meeting**

3:25 – 3:35

Sponsor Update

3:35 – 4:00

Integrated Management of Waterhyacinth in Florida: A Research Summary

**Megan Reid (UF)**

4:00 – 4:25

Examining the Potential for Off Target Effects in Florida Largemouth Bass from Aquatic Invasive Plant Management using Endothall and Diquat

**Joe Bisesi (UF)**

4:25 – 5:25

BioBase Technology – Resource Demonstration

**Ryan Sullivan (Navico)**

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## **End of Regular Sessions**

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**5:30 – 6:30**

**Duck Races – Poolside**

**7:00 – 9:30**

**Awards Banquet – Grand Bay Ballroom**

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## **Thursday, October 19<sup>th</sup>, 2023**

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7:00 – 8:00

Continental Breakfast – St. Petersburg Ballroom

## **Session 8 Grand Bay Ballroom (CEUs: 1.5 Aquatic)**

**Moderator: James Leary**

8:00 – 8:05

**Prize Drawing**

8:05 – 8:15

Sponsor Update

8:15 – 8:25

APMS Update

**Jay Ferrell (UF)**

8:25 – 8:50

Challenging Invasive Aquatic Weeds within SFWMD Waterways

**Jake Thayer (SFWMD)**

8:50 – 9:15

*Nymphaea mexicana*: Past and Present Search for Biocontrol Agents in South Africa

**Madison Self (UF)**

9:15 – 9:40

Florida Fish and Wildlife Conservation Commission Aquatic Plant Management

Update **Alex Dew (FWC)**

9:40 – 10:00

**BREAK** – *St. Petersburg Ballroom*

## **Session 9 Grand Bay Ballroom (CEUs: 1.5 Aquatic)**

**Moderator: Matt Phillips**

10:00 – 10:15

**GRAND PRIZE DRAWING**

10:15 – 10:40

Impact of the Island apple snail on hydrilla and native Kissimmeegrass

**Jennifer Bishop (UF)**

10:40 – 11:05

A Cost-Benefit Analysis of Restoration Techniques to Address Internal Nutrient Loading from Anoxic Sediments

**Patrick Goodwin (Naturalake Biosciences)**

11:05 – 11:30

Translating Herbicide Use Pattern for Floating Plant Control with Spray Tracker Technology

**James Leary (UF)**

## **End Of Conference**

## SLATE BIOS

### **PRESIDENT ELECT:**

#### **Jason Cull, Lee County Hyacinth Control District.**

Jason Cull is the Operations Manager at Lee County Hyacinth Control District (LCHCD) and responsible for managing the day-to-day work in its aquatic weed management program. Their program manages over 30,000 acres of waterbodies including the Caloosahatchee River and its tributaries up to Lake Okeechobee utilizing integrated management techniques.

Prior to joining LCHCD, Jason was a Biologist for the City of Sanibel's Natural Resource Program and an Environmental Planner for Lee County Environmental Science Division. Jason earned a BA in Environmental Science from Florida Gulf Coast University. He has a strong passion for the outdoor environment and protecting its natural resources.

### **DIRECTORS:**

#### **Marshall Snyder**

I was born and raised in Palm Bay, Fl. I Graduated high school in 2004. Two weeks later I started working for St Johns River Water Management District as an Invasive Plant Tech and a Wildland Fire Fighter. I have been with them for the last 19 years. I have carried a pesticide license for 18 years and I am currently licensed in Aquatic, Natural Areas, and ROW. This year I was asked to be a member of the District's safety committee. I am also part of the District's Emergency Response Team that response after natural disasters. When it comes to invasive plant career with the District, I have done it all. Most of my time is spent in the field doing my own herbicide applications with atvs, airboats, and marsh buggies, but I have also done work with biological control, I run a small harvester occasionally and I have been the OIC for countless ground/aquatic/aerial contractor applications.

In 2017 I gave an applicator speech at FAPMS.

#### **Jacob Thayer**

Jake Thayer is a scientist in the vegetation management section at the South Florida Water Management. He provides support for invasive species management throughout South Florida specializing in aquatic plant management. He studied at the University of Florida where he earned a Bachelor of Science in Forest Resources and Conservation and a Master of Science in Agronomy. For his graduate thesis, Jacob researched hydrilla management under the advisement of Dr. James Leary.

#### **Joe Malone**

Mr. Malone has been in the employ of Applied Aquatic Management, Inc. since April of 2006 where he started his vegetation management career with our mine services division. Mr. Malone has over seven years of experience in managing 70+ private sector clients for AAM. In this capacity, he was responsible for quality control and safety for numerous homeowner associations and golf courses as well as private residences. Mr. Malone also has over 7 years of experience as a Project Safety Manager for AAM. In this capacity, he directly oversees the training of new hires, MSHA certification, MSHA annual refresher training, and performance of safety audits. Mr. Malone has written and implemented numerous AAM safety and task training initiatives.”

## VIC RAMEY PHOTO CONTEST

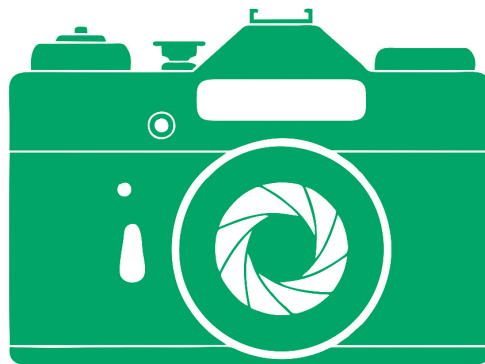
The annual **VIC RAMEY PHOTO CONTEST** will be held at the Annual Training Conference in Daytona Beach. The contest was created to inspire photographs to promote education, discussion and competition towards the Society's objective of aquatic plant management. There are two categories: **Aquatic Scene** (any natural aquatic scene); and **Aquatic Operations** (operation equipment, application method, or field applicator).

### Requirements for entry:

- Photos must be taken by a current fapms member during the contest year.
- Photos must be submitted as a 5" x 7" or 8" x 10" print, with or without a mat or frame.
- **Back of photo must contain photographer's name, contact number, photo category, location of photo, and description or title.**
- **Prizes this year are first \$150.00, Second \$100.00, And third place \$50.00 For each category.**

Photos are judged on category relevance (40%), creativity or artistic impression (40%), composition and arrangement (10%), and focus and sharpness (10%). Judges are selected from attending conference members. Photo entries may be submitted at the registration desk or placed on the designated table.

**NOTE:** Winning photos may be used in *Aquatics* magazine at the editor's discretion if they are also available as .jpg files in sufficient resolution. Set your camera to 1MB+ (MegaByte) or 5MP+ (MegaPixels) for best results. For a potential cover photo for *Aquatics* magazine, turn your camera sideways for a "portrait aspect" photo as opposed to "landscape." Winning photos may also be posted on the FAPMS website if an electronic version is submitted. *Good luck, photographers!*





## CORNHOLE TOURNAMENT

# FAPMS 2<sup>nd</sup> Annual Cornhole Tournament

**Attention FAPMS members**

Bring your cornhole boards and get ready for another night of fun!

**Entry fee \$40.00/ team**

Site: The Tavern at Bayboro  
Tuesday night during the Presidential Reception.  
6:30 p.m. to 9 p.m.



All proceeds go to the FAPMS Scholarship foundation.

Sign up at the registration desk.

1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place prizes.

FAPMS FISHING TOURNAMENT

WE WILL ALSO HAVE THE ANNUAL FISHING TOURNAMENT  
TUESDAY NIGHT DURING RECEPTION HOURS, SIGN UP WILL ALSO BE AT THE  
REGISTRATION DESK.

# 2023 OFFICERS

## Officers

### President

Lyn A Gettys  
Associate Professor  
UF/IFAS Fort Lauderdale REC

### President-Elect

Matt Phillips  
Florida Fish and Wildlife Conservation Comm.  
Invasive Plant Management

### Past-President

Steve Montgomery  
Allstate Resource Management

### Secretary

Stephanie Walters  
Nutrien Ag Solutions

### Treasurer

Jennifer Myers  
Applied Aquatic Management, Inc.

### Editor

Amy Giannotti  
AquaSTEM Consulting, LLC

## Directors Third Year

Jason Cull  
Operational Manager  
Lee County Hyacinth Control

Jason Ferrell  
Professor and Director  
UF/IFAS  
Center for Aquatic and Invasive Plants

Alexandra Onisko  
Upland/Wetland Invasive  
Species Biologist  
South Florida Water  
Management District

## Directors Second Year

Brett Wells Bultemeier  
Assistant Extension Professor  
UF/IFAS Pesticide Information Office

Sam Sardes MS, CLP  
Aquatics Territory Manager  
UPL OpenAg® Environmental Solutions

Dharmen Setaram  
Florida AVM Sales Representative  
Heritage Professional Products Group

## Directors First Year

# 2023 COMMITTEES

## Committees

### **Aquatics Magazine Advertising**

Angie Huebner  
Invasive Plant Management

### **Auditing**

Keshav Setaram

### **Awards**

Scott Glasscock  
Disney Pest Management

### **By-Laws**

James Boggs Jr.  
Branch Manager  
Florida IVM  
Helena Agri-Enterprises, LLC

### **Education and Outreach**

Matt Phillips  
Florida Fish and Wildlife  
Conservation Comm.  
Invasive Plant Management

### **Governmental Affairs**

Matt Phillips  
Florida Fish and Wildlife  
Conservation Comm.  
Invasive Plant Management

### **Historical**

Andy Fuhrman  
Allstate Resource Management, Inc.

### **Local Arrangements**

Bill Torres  
Nathalie Visscher

### **Merchandise**

Steve Montgomery  
Allstate Resource Management

### **Nominating**

Steve Montgomery  
Allstate Resource Management

### **Program**

Ben Sperry  
Research Biologist,  
US Army ERDC

### **Resource Demonstration**

James Leary  
Assistant Professor  
UF/IFAS Center for Aquatic  
and Invasive Plants



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**P.O. Box 560700**  
**Orlando, FL 3856-1327**