



www.FLMS.net Summer 2023

Florida Lake Management Society
Supporting Aquatic Sciences & Resources Since 1987

Message from the President



FLMS President, Eesa Ali

Greetings FLMS friends! The FLMS board has been busy planning the Annual Technical Symposium and we are excited to see many of you there! We are also working on the panhandle workshop, the Central Chapter workshop, a photography and short film contest, issuing grant funding for several restoration projects, awarding scholarships, and getting our message out. But we think we can do much more! We want to fund and facilitate more community-based restoration projects, sponsor more students, grow our membership, fundraise, increase exhibitor participation, gain new sponsors, increase awareness of Florida's lakes and other aquatic habitats, increase interaction with the public, and provide more opportunities for member engagement and networking.

How can we achieve these goals? That's where YOU come in! The FLMS board would greatly benefit from more membership participation, diversity of thought, and perspectives in the planning and organization of the Society. We currently have four standing committees: Awards, Membership, Conference, and By-laws. Currently, all the standing, working, and special advisory committees are staffed by board members exclusively, and we want to change that.

We are seeking member participation in the four standing committees, but we are particularly interested in funding sources for restoration grants and facilitating restoration projects. We are also open to suggestions for committees. Perhaps you have a vision of how some aspects of this organization could be improved, or you would like to learn more about planning, organizing, and executing the work, or you just want to lend a hand. There will be an opportunity to sign up for a committee during the Annual Technical Symposium (aka the Duck Key "Conchference") luncheon on Wednesday August 30, 2023. If you are unable to attend the symposium this year, please email me with your interest at eali@appliedfl.com For more information about our by-laws pertaining to committees, click here: <https://flms.net/the-society/bylaws-and-policies/>

We can't wait to see you in August!

Your President,

Eesa Ali



Love Your Lakes! Lake Cain Restoration

One of our Love Your Lake grant recipients, Lake Cain Restoration Society, has an update on their project and the funds they put to good use!

In five separate events between September 2021 and January 2022, LCRS organized volunteers to plant a total of slightly more than 4,000 plants of species native to Florida. Each event was planned by Board members of LCRS, neighborhood residents and other non-profits under the guidance of a registered horticulturalist. Volunteers included LCRS Board members, neighborhood residents, other non-profits and Lucky's Lake Swim swimmers. Sites were chosen around three connected lakes: Cane, O'Dell, and Floy.



Volunteers planted mainly on the shoreline (vertical and horizontal) in run-off pathways, gutter veins, trenches, and anywhere else they could find a place for deeply-rooted Florida native plants thrive. In addition to the benefits of this planting, the project will require upkeep to maintain. The shoreline needs additional planting in a variety of species, which will fortify recently planted areas, strengthening absorptive ability of these new patches of deep-rooted plants.

LCRS thanks the Florida Lake Management Society for sponsoring their efforts! You can apply for a grant too! [The next application](#) deadline is December 1, 2023. Large projects may receive up to \$5000! Residents can apply for a reimbursable \$200 mini grant for shoreline plantings.

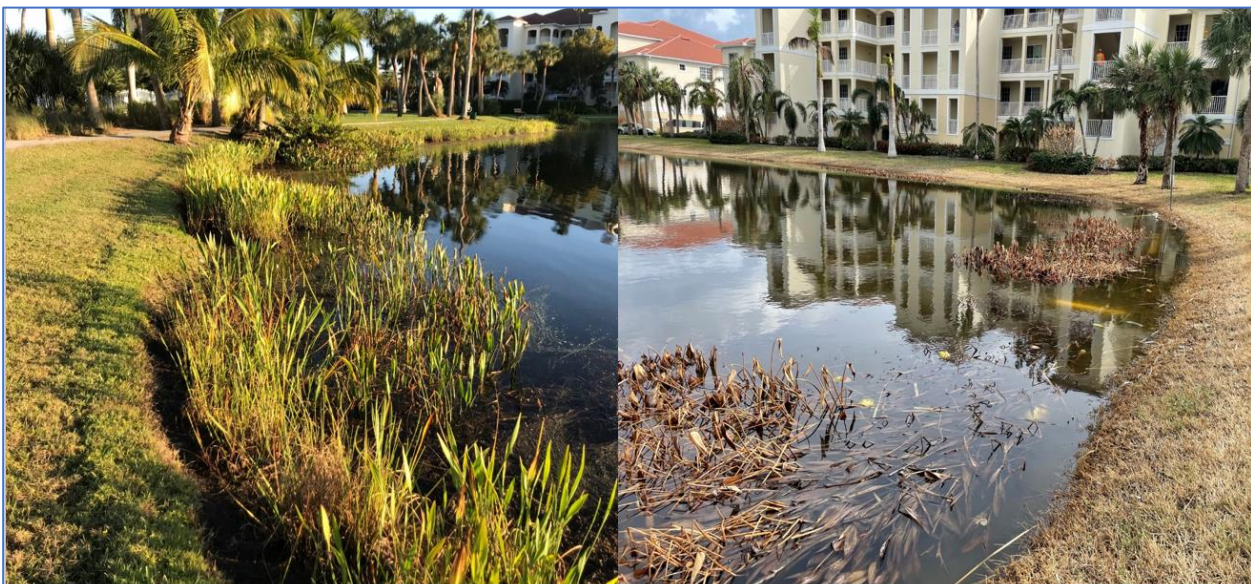
Pond Watch Annual Workshop Event

On March 13th, the Pond Watch Program of the Lee County Hyacinth Control District celebrated 30 years of service with its annual workshop. Thanks to our sponsors: the Florida Lake Management Society and the following lake management companies: Advanced Aquatic, The Lake Doctors and Community Environmental Services. This event was attended by more than 50 active volunteers who reviewed the sampling protocols, discussed their annual results, and conversed about the latest effects of Hurricane Ian. Some of the highlights presented were focused on mitigating the damage caused by Hurricane Ian.



Pond Watch Participants

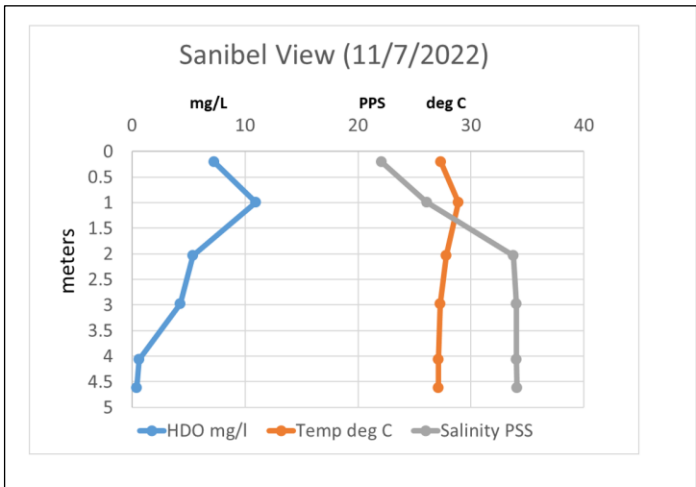
As most Floridians will remember, Hurricane Ian hit southwest Florida on Sept. 28, 2022 causing a surge of marine water that flooded most areas in Fort Myers bordering the Calusa River and Estero Bay, among many other areas. Ponds affected by Ian are being studied by Pond Watch in order to provide the best management actions to recover their functionality and aesthetics. Some of the damage caused by high salinity conditions were the destruction of most littoral planting required by county codes. An example of this can be seen in the picture below. Most freshwater plants, such as pickerel weed (*Pontederia cordata*) and duck potato (*Sagittaria lancifolia*) did not survive salinities that exceed in many cases 2.0 ppt (PSS) and in some cases reaching more than 20 ppt (PSS).



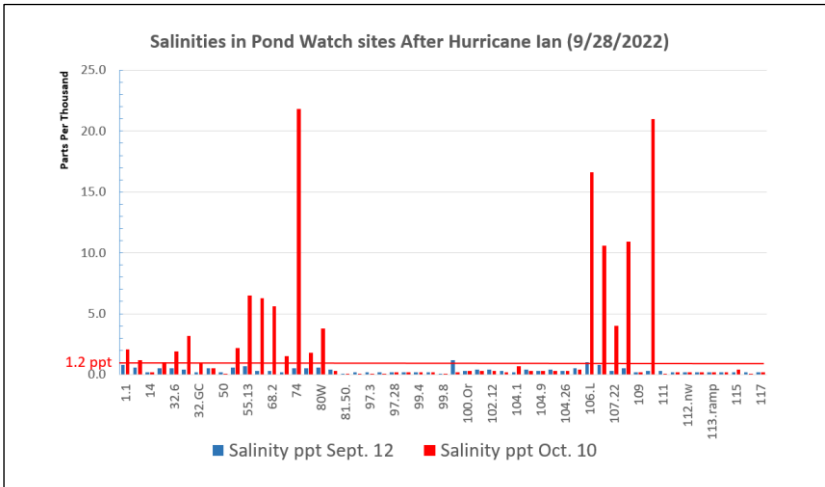
Before Hurricane Ian

After Hurricane Ian

Pond Watch has been working with volunteers to assess these ponds conducting profile measurements of salinity, optical dissolved oxygen, and temperatures to determine stratification caused by the heavy saltwater content in these ponds.



Graph showing the vertical changes of water chemistry in Sanibel View Pond



Graph highlighting salinity difference pre and post Ian. Many areas exceeded the 1.2 ppt threshold for most freshwater plants

Some recommendations that resulted from the workshop include:

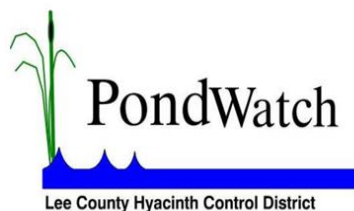
- Do not irrigate using the pond water if salinities exceed 1.2 ppt (PSS).
- Determine if the pond is stratified for salinity by conducting profile measurements.
- If the pond is stratified, turn on aeration using bubblers to break the stratification. This will allow rain water to dilute the overall salinity. Failing to do this will prevent the heavy salt water from leaving the system during storm events.
- Do not turn on fountains if present. This will cause evaporation of the fresher top water layer thus exacerbating the situation.
- Pumping the bottom water out of the pond, with the appropriate permits, to discharge the salt water to suitable water ways.
- Pray for rain...but not too much!



For more information, contact:



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Jungle Terrace Volunteers Making a Difference

Jungle Lake is a 10 acre lake with 1.5 mile shoreline due to fingers and islands. The lake, whose water makes its way to Boca Ciega Bay, is located in the St. Pete area of Pinellas County. Water lettuce has been a nemesis of the lake for decades. It has totally overgrown the lake 7 times in recent memory. Spraying about every six weeks is an important practice here, each treatment gets 98% of the lettuce which sinks to bottom . . . and leaves 2% as seedlings continuing to grow, leaving Jungle Lake with about 2 feet of muck.

Members of the Jungle Terrace Civic Association take their lake's care seriously. Their goal is to minimize or eliminate need to spray the invasives. "Volunteers accomplished 4x what I hoped for", says Dr. Ed Carlson. Community members "weeded" of Water Lettuce the entire length of the ditch, and all the way along both sides of the south water finger past the Swim Pool to the Park Staff shed. They removed adult plants with many attached... to single baby plants. The group also planted 10 test plots and floating wetland islands on May 6. They plan to continue their vigilance with hand-removal until all seedlings are GONE!



FLMS 2023 Symposium at Hawks Cay

Are you ready for Hawks Cay?? There's still time to register and join us this August 29th- September 1st! [The draft agenda](#) is online and we have a jam-packed week. There are five great [pre-symposium workshops](#) to choose from including Algal ID, DEP SOPs, R Shiny, Oxygenation and Remote Monitoring. If you have already registered for the symposium but want to add on a workshop or two, contact Maryann@FLMS.net and she'll take care of you.

Need help [booking a room](#) since Hawks Cay is nearly sold out? Yep, contact Maryann.

On the fun side, Wednesday evening we'll have our Exhibitor Social and Hospitality Night with a condensed H2Olympics and the fan-favorite Conch Crawl Bus heading to Key West Thursday evening. Don't forget our dive/snorkel trip Friday after the last session ends. Information for these and more can be found on our [website](#).



Thank you

Gold Sponsor!



Membership

2022-2023 New & Renewing Members

Carl Salafrio – ECD Florida
Brittany Evans – ECD Florida
Daniel Marchio – SFWMD
Brystal Parramore – Osceola County
Suzanne Marton – MPI Realty
Lori Clemence – Clarke
Will Evans – E III Environmental Consulting
Andrew Sutherland – SJRWMD
Pamela Dugan – Eutrophix
Lake Powell Community Alliance
Jarrett Barnes – Oregon State University
Molly Klinepeter – City of Lakeland
Erin Klores – Nat'l Stormwater Trust
Jeff Holland – Reedy Creek Improvement District
Kate Kaste – Pasco County
Grace Ramcke – Polk County
Joseph Whyte – Polk County
Cathie Catasus – Lake County
Emily McPartlin – City of Lakeland
Tracy Hutson – SOLitude Lake Mgmt

Did you know? When you attend the annual symposium, your membership is automatically renewed!

Thank You 2023
Corporate Members!



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Our Mission

The mission of the Florida Lake Management Society is to promote protection, enhancement, conservation, restoration, and management of Florida's aquatic resources; provide a forum for education and information exchange; and advocate environmentally sound and economically feasible lake and aquatic resource management for the citizens of Florida.