

TUESDAY – AUGUST 26, 2025 -- WORKSHOPS

7:30 AM – 5:00 PM Check-In and Registration (Overseas Foyer)

8:15 – 4:45 pm **Workshop 1 (Overseas 1): Lake (and Fish) Mapping with Consumer Sonar and Biobase: Survey Design, Analysis Tips and Tentative Field Demo.** Presented by Ryan Sullivan, Biobase LLC (Engineering PDHs 3.0)

8:15 – 12:00 pm **Workshop 2 (Overseas 3): General Aquatic Weed Control, Herbicide Resistance, Introduction Pathways, IPM and Biocontrol Insects.** Presented by Lyn Gettys, Ph.D, University of Florida, IFAS (DACS Aquatic Pest Control CEUs 3.0 & Engineering PDHs 3.0)

8:15 – 4:45 pm **Workshop 3 (Overseas2): From API Data Access to Multivariate EDA and Modeling in R.** Presented by Dan Schmutz, Greenman Pederson, Inc. & Alex Mano, Pinellas County (Engineering PDHs 3.0)

All workshop food breaks are located in the Overseas Foyer

10:00 – 10:15 am **Morning Break**

12:00 – 12:45 pm **LUNCH** (*provided with full-day Workshop registration*)

2:30 – 2:45 pm **AFTERNOON BREAK**

12:45 – 4:45 pm **Workshop 4 (Overseas 3): Aquatic Plant ID Including Telling Apart Lookalikes and Propagation Tips for Natives.** Presented by Lyn Gettys, Ph.D, University of Florida, IFAS (Does not require Workshop 2) (DACS Aquatic Pest Control CEUs 3.0 & Engineering PDHs 3.0)

WEDNESDAY – AUGUST 27, 2025 MORNING – SYMPOSIUM

(* - Denotes student paper)

7:30 AM – 5:00 PM **Check-In and Registration** (Overseas Foyer)

7:00 AM – 8:30 AM **Breakfast** (Dolphin Ballroom)

Opening Program (Overseas Ballroom 2-3)

8:30-8:45 AM **Welcome & Opening Remarks: Dan Schmutz, FLMS President**

8:45-9:45AM **Morning Keynote Address**

*Kate Hubbard, Ph.D, Research Scientist with FWC's
Ecosystem Assessment & Restoration Section*

9:45-10:30 AM **MORNING BREAK** (Exhibit Hall – Dolphin Ballroom)

Session A1: Lake Restoration (Overseas Ballroom)

Moderator: Ernesto Lasso De La Vega

DACS Aquatic Pest Control CEUs or Engineering PDH 1.0

10:30 – 10:35 AM *Session Introduction*

10:35 – 10:50 AM Restoring Howell Creek: A Collaborative Effort for Ecological and Community Resilience – Alex Darr

10:50 – 11:05 AM Restoration Options for Lake Carlton – James Preston

11:05 – 11:20 AM Lake Jesup: The Latest Modeling and Restoration Efforts – Shannon Salvatori

11:20 – 11:35 AM A 20 Year Cost-Benefit Analysis of the Lake Apopka Marsh Flow-Way Treatment Wetland – Jennifer Mitchell

11:35 – 11:50 AM The Foundational Data Supporting the Black and Crane Creek Projects – Erich Marzolf, Ph.D.

11:50 – 12:00 PM *Session Q&A*

12:00 – 1:00 PM **Lunch** (Exhibit Hall – Dolphin Ballroom)

1:00 – 2:00 PM **Keynote Address** – Jason Dotson, FWC Section Leader,
Freshwater Fisheries Research
(Overseas Ballroom)

Wednesday – AUGUST 27, 2025 AFTERNOON

Session A2: Data Management and Trends (Overseas Ballroom)

Moderator: Dan Schmutz

DACS Aquatic Pest Control 0.5 CEU; Engineering PDH 1.0

2:00 – 2:05 PM	<i>Session Introduction</i>
2:05 – 2:20 PM	The Save Our Indian River Lagoon Program: From Data to Action to More Data to Adaptive Management – <u>Virginia Barker</u>
2:20 – 2:35 PM	Field Validation of a Phone-Based Turbidimeter and Determining Next Steps for Mobile-App Integration – <u>*Lindsey Pegram</u>
2:35 – 2:50 PM	Unique Long-Term Monitoring of the 2023 Full Lake Hydrilla Treatment on Lake Mary Jess, Orange County – <u>Marissa Heron</u>
2:50 – 3:05 PM	Trends in Extreme Rainfall in North Carolina and Florida – <u>Dan Schmutz</u>
3:05 – 3:15 PM	<i>Session Q&A</i>
3:15 – 3:45 PM	AFTERNOON BREAK (Exhibit Hall – Dolphin Ballroom)

Session A3: Lake Management

Moderator: Harvy Harper, Ph.D

DACS Aquatic Pest Control CEU or Engineering PDH 1.0

3:45 – 3:50 PM	<i>Session Introduction</i>
3:50 – 4:05 PM	In-Season and Overwintering Cyanobacteria Monitoring and Treatment Methods Using Liquid and Granular Paa/Hydrogen Peroxide – <u>Tom Warmuth</u>
4:05 – 4:20 PM	Changes in Nutrient Cycling in a Deep Stratified Central Florida Lake – <u>Harvey Harper, Ph.D</u>
4:20 – 4:35 PM	Tracking Lead Contamination in Central Florida Impaired Lakes – <u>Emily Hartdegen, PWS and Jesse Wineberg, PE</u>
4:35 – 4:50 PM	Lake Conway: Where Stormwater Evaluations, Feasibility Studies, and a Citizen Board Lead to Stormwater Improvements – <u>Tara Urbanik</u>
4:50 – 5:05 PM	From Lab to Action: Enhancing Community Resilience with Affordable Flood Monitoring and Hyperlocal Predictions – <u>Brian Glazer, Ph.D</u>
5:05 – 5:15 PM	<i>Session Q &A</i>

WEDNESDAY AUGUST 27, 2025 EVENING

5:30 – 7:00 PM	EXHIBITORS' SOCIAL (Exhibit Hall – Dolphin Ballroom)
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5:30 – 7:00 PM **Poster Session** (Exhibit Hall – Dolphin Ballroom)

*Denotes Student Poster

1. Ecological succession of epibenthic communities on different faces of an artificial reef on the Southwest Florida Shelf - *Rodolfo Arambulo
2. Quantifying the Nutrient-Pollution Impacts of Aquatic Plant Management in Florida - *Anthony Dues, Jr., James Douglass, Serge Thomas
3. Investigating seasonal patterns of vegetation indices for a southwest Florida cypress dome: a case study at the Naples botanical garden - *Kelton Maystrick, Chad Washburn, Brian Bovard
4. Understanding Nutrient and Chlorophyll Concentrations in the Caloosahatchee River Using Spatial Interpolation Tools - Caroline Hoel
5. A decadal sediment accumulation in the Carlton Lakes, southwest Florida – Dr. Serge Thomas, *Nevaeh Greco, *Mackenzey Binion, Taylor Rowe, and Rachel Smith
6. A case for rewilding: Unmowed dry detention ponds have floristic characteristics more like natural wetland areas – *Michael Bruder, Dr. James Douglass
7. The role of Florida's unique pond clusters along conservation corridors: a call for monitoring and protection - *Isabelle Rytlewski, Thomas Whitmore
8. Common Nurse Study on native *Vallisneria neotropicalis* - *Jennifer Bishop
9. *Vallisneria americana* restoration in the Caloosahatchee river estuary: Opportunities, progress, and challenges - *Devin Quigley and James Douglass

Wednesday AUGUST 27, 2025 EVENING

POSTER SESSION CON'T

10. Investigating the effectiveness of Lake Guard® Oxy (Algaecide) during the 2024 cyanobacterial bloom season at S-77 - Haruka Urakawa, Anna Wachnicka, Dr. Serge Thomas, Jose Lopez, Levente Pap, Bethany Ryder, Alvio Barbaretta and Hidetoshi Urakawa
11. Gambusia farming in an urban environment – Paul Mosteller and Eduardo Morales
12. Nitrogen uptake from an urban stormwater pond with biochar-amended floating treatment wetlands – Mary Lusk, Ph.D.
13. Citizen science as an education tool for adult and youth audiences – Michael D’Imperio
14. With Rigero's Bio-generation system, a "plug and play" solution to reduce nutrients, reduce algae blooms, and consumes pond muck – Michael Bateman and Dan Danforth
15. Conservation paleoecology and lake management in Florida: using lake sediments to guide management, restoration, and conservation initiatives – Melanie Riedinger, Thomas Whitmore, Cody Letts and Shayna Dimmer.
16. Integrating high-resolution satellite and in-situ sensor data for enhanced monitoring of cyanobacterial blooms in Doctors Lake, Florida – Todd Lundell
17. Cyanobacterial harmful algae bloom treatment using Lake Guard Oxy in Doctors Lake, Florida – Jessica Frost

THURSDAY – AUGUST 28, 2025 MORNING

(* - Denotes Student Paper)

7:30 AM – 5:00 PM	Check-In and Registration (Overseas Foyer)
7:00 AM – 8:30 AM	Breakfast (Dolphin Ballroom)

Opening Program (Overseas Ballroom 2-3)

8:30-8:45 AM **Welcome & Opening Remarks: Gloria Eby, FLMS Incoming President**

8:45-9:45AM **Morning Keynote Address**

Rehabilitating Oligotrophic Ecosystems and the Long Tail/Tale of Nutrient Enrichment Legacies.

Evelyn Gaiser Ph.D, FIU Distinguished University Professor of Biological Sciences

9:45-10:20 AM	MORNING BREAK (Exhibit Hall – Dolphin Ballroom)
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Session A4: Nutrient Reduction (Overseas Ballroom)

DACS Aquatic Pest Control CEU or Engineering PDH 1.5

Moderator: Gloria Eby

10:20-10:25 AM *Session Introduction*

10:25-10:40 AM The Growth of USDA Nationally Certified Biobased/Biopreferred Erosion Products – Joseph Greco

10:40-10:55 AM Full-scale phosphorus mitigation projects to improve water quality in Florida – Pamela Dugan Ph.D

10:55-11:10 AM Get the Most BAM for Your Buck with Recirculating Biosorption Activated Media Filters! A Unique Solution for Addressing External and Internal Nutrient Loads to Lakes. – Andrew Hood

11:10-11:25 AM Stormwater Management – It's All About the Concentration! – Harvey Harper, Ph.D

11:25-11:40 AM Enhanced Nitrogen Reducing (ENR) Systems Updates – Roxanne Groover

11:40-11:50 AM *Session Q&A*

THURSDAY – AUGUST 28, 2025 AFTERNOON

11:50 – 1:20 PM **FLMS ANNUAL AWARD LUNCHEON** (Exhibit Hall-Dolphin Ballroom)

Session A5: Citizen Science (Overseas Ballroom)

Moderator: Dana Stephens, Ph.D

DACS Aquatic Pest Control CEU or Engineering PDH 1.0

1:20-1:25 PM *Session Introduction*

1:25-1:40 PM Citizen's Pond Survey Tool – Ernesto Lasso de la Vega

1:40-1:55 PM How Volunteer Data Collection Supported the Restoration of Crescent Lake, St. Petersburg – James Bays

1:55-2:10 PM Translating Community Scientist Data to Intentional Action in Northwest Florida – Dana Stephens, Ph.D

2:10-2:20 PM *Session Q&A*

2:20-3:00 PM **AFTERNOON BREAK** (Exhibit Hall – Dolphin Ballroom)

Session A6: Vegetation Monitoring (Overseas Ballroom)

Moderator: Rob Burnes

DACS Aquatic Pest Control & DACS Core 0.5 CEU; Engineering PDH 1.0

3:00-3:05 PM *Session Introduction*

3:05-3:20 PM Assessing the State of Cuban Bulrush (*Cyperus blepharoleptos*) Management across the Southeastern United States – *Patrick Belk

3:20-3:35 PM Assessing the risk factors for hurricane-induced tree failure in the Naples Urban Forest – *Coralie Paschal

3:35-3:50 PM Pixels and Plants: Monitoring Dune Vegetation Restoration Using Remote Sensing Technologies - *Nathan Hewitt

3:50-4:05 PM Examining Recovery and Resilience of Coastal Dune Vegetation Following Repeated Hurricanes – *Mary Moody

4:05-4:15 PM *Session Q&A*

5:00 – 11:00 PM Scholarship Fundraiser – Conch Crawl Bus to Key West

FRIDAY – AUGUST 29, 2025 MORNING

(* - Denotes Student Paper)

7:00AM – 8:30AM Breakfast (Exhibit Hall – Dolphin Ballroom)
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8:50 – 9:00 AM Announcements: Gloria Eby, FLMS President

Session A7: Nutrient Reduction & Lake Management 2 (Overseas Ballroom)

Moderator: Leesa Souto, Ph.D

DACS Core CEU or Engineering PDH 1.0

9:00-9:05 AM *Session Introduction*

9:05-9:20 AM Science to Support Groundwater Adaptive Management – Leesa Souto, Ph.D

9:20-9:35 AM Automated In-Situ Nutrient Monitoring to Inform Assessment, Prescription, and Implementation of Water Quality Management – Scott Shuler

9:35-9:50 AM Boats, Birds, and Balance: A Regulatory Approach to Managing Recreation and Conservation at Egret Island – Tim Hull

9:50-10:05 AM The Karst Lakes of the Wakulla Spring Shed and their effects on one of the largest springs in the world, Wakulla Springs – Sean McGlynn

10:05-10:20 AM Evaluation of *Rangia cuneata* (Bivalve) as a Biological Control for Algae in Stormwater Pond in Southwest Florida – Ernesto Lasso De La Vega

10:20-10:30 AM *Session Q&A*

10:30-11:00 AM Student Awards and Closing Remarks - Gloria Eby, FLMS President
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