



**Florida Lake Management Society
28th Annual Technical Symposium**

**June 6-9, 2017
Captiva Island, Florida**

Program Theme: Balancing Water Resources for the Future

CITIZEN SCIENCE WORKSHOP

(Subject to change)

Sponsored by



BALANCING WATER RESOURCES FOR THE FUTURE

June 6-9, 2017

Welcome!

TUESDAY - JUNE 6, 2017 – Citizen/CAM WORKSHOPS

Summaries are listed following the agenda

8:00 am – 5:00 pm **Check-In and Registration**

10:00 – 10:15 am **MORNING BREAK**
12:00 – 1:00 pm **LUNCH** *(included)*
2:45 – 3:00 pm **AFTERNOON BREAK**

9:00 am – 4:00 pm

Citizen Science, A Stormwater Pond Management Workshop

(CEUs available for Community Association Managers)

Monty Montgomery, Allstate Resource Management, Inc. &

Ernesto Lasso de la Vega, Lee County Hyacinth Control District

Allstate Resource Management - Provider Number: 0004645 - License Number: PVD148

(Full descriptions below agenda)

Understanding Waterway Management – Andy Fuhrman

#9625544 / 2 CEU – (9am – 11am)

Aquatic Plants for Lake Quality and Florida Friendly Landscapes – Rose Bechard-Butman

#9625825 / 1 CEU (11am – 12pm)

Lunch (included) (12pm – 1pm)

Stormwater Systems - Components and Maintenance – Wendy Shaw

#9625824 / 1 CEU (1pm – 2pm)

Lake Maintenance: Controlling Weeds, Algae and Aquatic Pests – Stephen Montgomery

#9625875 / 1 CEU (2pm – 3pm)

Water Quality, Fountains and Aeration – Andy Roberts

#9625823 / 1 CEU (3pm – 4pm)

[Register Here!](#)

UNDERSTANDING WATERWAY MANAGEMENT (2 Hours=2 CEU Credits) – Course Number: 9625544

Objectives:

To understand the requirements for Federal, State and County Regulators while educating and keeping your homeowners satisfied. This segment will cover managing lakes and their ecosystems and familiarize property managers with current industry standards for waterway management including equipment, plants, fish and aquatic weed control.

Agenda:

- What today's educated consumer should look for in a water management company. Lake Management: Aquatic weed and algae control, fish stocking, water quality monitoring, debris removal and aquatic pest control. (25 minutes)
- Mitigation is the re-vegetation of beneficial native wetland plant species in a disturbed area that is required by jurisdictional agencies. Discussion will cover littoral shelves, wetland preserves and upland preserves. Topic will cover the replenishment of natural areas within urban communities. Specific beneficial native aquatic plants and exotic invasive plant species will be identified. (25 minutes)
- Aeration benefits lake ecosystems by increasing circulation and destratification which helps to control undesirable bacteria. Types of aeration equipment including fountains will be discussed. (25 minutes)
- Stormwater systems, inspections, stormwater maintenance and erosion will be presented and discussed. (25 minutes)
- Understanding the benefits of wildlife, beneficial plants versus invasive and exotic, which helps the property manager to better understand the ecological balance of waterways. This knowledge is helpful in explaining an often misunderstood area to homeowners. Plants and wildlife will be discussed. (25 minutes)

AQUATIC PLANTS FOR LAKE WATER QUALITY and "FLORIDA-FRIENDLY" LANDSCAPES (1 Hour=1 CEU) Course Number: 9625825

Objectives:

To understand why littoral plants are a benefit to the aquatic environment. This seminar will cover the identification of aquatic plants and "Florida-Friendly" plants. It will familiarize property managers with the regulatory standards for "Florida-Friendly" landscapes. And how Best Management Practices (BMPs) affect our ecosystems.

Agenda:

- Benefits of littoral and "Florida-Friendly" plants and their identification. (25 minutes)
- What are "Florida-Friendly" landscapes and their principles? (10 minutes)
- How Best Management Practices (BMPs) work to protect our environment. (15 minutes)
- Discussion (10 minutes)

STORMWATER SYSTEMS (1 Hour=1CEU) Course Number: 9625824

Objectives:

To become familiar with the requirements for State, County and Municipal regulations while educating and keeping your homeowners satisfied. This seminar will cover the functions, components and maintenance of stormwater systems. Property managers will gain knowledge in regulatory standards for maintenance and how stormwater systems affect our ecosystems.

Agenda:

- What today's educated property manager should be aware of concerning stormwater systems and regulatory requirements. (15 minutes)
- Stormwater systems and their varied components, inspections and maintenance will be presented and discussed. (40 minutes)
- Discussion (5 minutes)

LAKE MAINTENANCE: CONTROLLING WEEDS, ALGAE AND AQUATIC PESTS (1 Hour=1 CEU) -Course Number: 9625875

Objectives:

To become familiar with the types of aquatic weeds and their EPA approved treatments as well as beneficial aquatic plants. Recommended water testing and how it relates to application of herbicides. How fish stocking and aeration helps to control undesirable plant growth and aquatic pests.

Agenda:

- Licenses and certifications. Weather conditions and water testing as it relates to herbicide applications. (15 Minutes)
- Herbicides, Larvicides and their proper application situations. (15 Minutes)
- Beneficial vs. Undesirable Plants and their identification. (10 Minutes)
- How fish stocking and aeration can benefit lake quality. (15 Minutes)

WATER QUALITY, FOUNTAINS & AERATION (1 Hour=1 CEU) – Course Number: 9625823

Objectives:

To become familiar with the components of water quality and recommended testing. Aspects of poor water quality will be discussed to include prevention and remedies. Various types of aeration equipment and their purposes will be described.

Agenda:

- Water Quality (15 Minutes)

- Thermal Stratification and Nutrient Cycling (20 Minutes)
- Types of Aeration Systems (15 Minutes)
- Fountains (10 Minutes)

[Register Here!](#)