

## Environmental Management Report for East Village Master Association

### EVMA Lake 1

#### Target Plant Management

We found the following nuisance / exotic / non-native plants in and around your pond / lake. Plants listed as Exotic Pest Plant Council (EPPC) category 1 are the most significant threat to a balanced ecosystem.

<u>Plant</u>	<u>Species</u>	<u>EPPC</u>	<u>Presence</u>	<u>Date</u>
Alligatorweed	<i>Alternanthera philoxeroides</i>	2	Present	9/25/2020
Crested Saltbush	<i>Atriplex pentandra</i>	N	Present	9/25/2020
Torpedo Grass	<i>Panicum repens</i>	1	Present	9/25/2020

Presence is defined as under 5% coverage; Intermediate 5-15% coverage, and Extensive is defined as over 15% coverage.

Nuisance (target) plant species are often permanent residents around lakes and wetlands. They thrive in this habitat. New seeds and spores are carried in on animals and the wind. We would love to eliminate every non-native plant, but some of these plants are and will continue to persist in the community.

Photos and descriptions of these plants can be found at the following websites:

[The Center for Aquatic and Invasive Plants](#) is an easy to use format, allowing you to search by common or scientific name as well as type of plant. This site provides photographs excellent and easy to understand information on plant management and aquatic ecosystems. The [Atlas of Florida Vascular Plants](#) includes valuable botanical information such as habitat, EPPC status and range within Florida.

#### Water Level

<u>Date</u>	<u>Water Level Observation</u>
09/25/2020	Low 0-12 in <CE

#### Problems Observed

<u>Date</u>	<u>Problem Observed</u>	<u>Grid Location</u>
09/25/2020	Grass clippings	

## EVMA Lake 2

### Algae

The following were observed on EVMA Lake 2:

<u>Date</u>	<u>Algae Type</u>	<u>Present</u>	<u>Dominant</u>
09/25/2020	Filamentous Mixed	x	

### Probiotic Treatment and Chemical Treatment of Algae

Algae treatments were conducted on the following date(s):

<u>Treatment Date</u>
09/25/2020

#### Probiotic Algae Treatment

We add probiotic microbes to reduce lake nutrients, sediment and algae. Managing the microbial population gradually prevents algae blooms, rather than masking the symptom (killing the algae) with chemicals. This group of bacteria competes with algae for nutrients in the water. In addition the microbes consume some of the nutrients helping to reduce algae growth in the future.

#### Chemical Algae Treatment

Chemical treatment usually includes copper that does not break down in the lake soil. This can cause gradual, long-term damage to the aquatic ecosystem. Explore our website to learn about the causes of algae growth and various solutions to algae management. The algae should dissipate in 3 - 5 days after treatment.

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<u>Plant</u>	<u>Species</u>	<u>EPPC</u>	<u>Presence</u>	<u>Date</u>
Crested Saltbush	<i>Atriplex pentandra</i>	N	Present	9/25/2020
Alligatorweed	<i>Alternanthera philoxeroides</i>	2	Present	9/25/2020
Torpedo Grass	<i>Panicum repens</i>	1	Present	9/25/2020

**EVMA Lake 2 continued****Water Level**

<u>Date</u>	<u>Water Level Observation</u>
09/25/2020	At Control Elevation

**EVMA Lake 3****Target Plant Management**

We found the following nuisance / exotic / non-native plants in and around your pond / lake. Plants listed as Exotic Pest Plant Council (EPPC) category 1 are the most significant threat to a balanced ecosystem.

<u>Plant</u>	<u>Species</u>	<u>EPPC</u>	<u>Presence</u>	<u>Date</u>
Alligatorweed	<i>Alternanthera philoxeroides</i>	2	Present	9/25/2020
Primrosewillow	<i>Ludwigia spp.</i>	N	Present	9/25/2020
Wild bushbean	<i>Macroptilium lathyroides</i>	2	Present	9/25/2020
Wedelia	<i>Sphagneticola trilobata</i>	2	Present	9/25/2020

**Water Level**

<u>Date</u>	<u>Water Level Observation</u>
09/25/2020	At Control Elevation

**EVMA Lake 4****Target Plant Management**

We found the following nuisance / exotic / non-native plants in and around your pond / lake. Plants listed as Exotic Pest Plant Council (EPPC) category 1 are the most significant threat to a balanced ecosystem.

<u>Plant</u>	<u>Species</u>	<u>EPPC</u>	<u>Presence</u>	<u>Date</u>
Alligatorweed	<i>Alternanthera philoxeroides</i>	2	Present	9/25/2020
Brazilian pepper	<i>Schinus terebinthifolia</i>	1	Present	9/25/2020
Primrosewillow	<i>Ludwigia spp.</i>	N	Present	9/25/2020
Shrubby false buttonweed	<i>Spermacoce verticillata</i>	2	Present	9/25/2020
Torpedo Grass	<i>Panicum repens</i>	1	Present	9/25/2020

**Water Level**

<u>Date</u>	<u>Water Level Observation</u>
09/25/2020	At Control Elevation

# EVMA Lake 5

## Algae

The following were observed on EVMA Lake 5:

<u>Date</u>	<u>Algae Type</u>	<u>Present</u>	<u>Dominant</u>
09/25/2020	Filamentous Mixed	x	

## Probiotic Treatment and Chemical Treatment of Algae

Algae is a normal and healthy part of aquatic ecosystems. [More info can be obtained from the Beautiful Ponds website.](#)  
Algae treatments were conducted on the following date(s):

Treatment Date

09/25/2020

## Target Plant Management

We found the following nuisance / exotic / non-native plants in and around your pond / lake. Plants listed as Exotic Pest Plant Council (EPPC) category 1 are the most significant threat to a balanced ecosystem.

<u>Plant</u>	<u>Species</u>	<u>EPPC</u>	<u>Presence</u>	<u>Date</u>
Alligatorweed	<i>Alternanthera philoxeroides</i>	2	Present	9/25/2020
Primrosewillow	<i>Ludwigia spp.</i>	N	Present	9/25/2020
Torpedo Grass	<i>Panicum repens</i>	1	Present	9/25/2020

## Water Level

<u>Date</u>	<u>Water Level Observation</u>
09/25/2020	At Control Elevation

## Problems Observed

<u>Date</u>	<u>Problem Observed</u>	<u>Grid Location</u>
09/25/2020	Grass clippings	

## EVMA Lake 6

### Algae

The following were observed on EVMA Lake 6:

<u>Date</u>	<u>Algae Type</u>	<u>Present</u>	<u>Dominant</u>
09/25/2020	Filamentous Mixed	x	

### Probiotic Treatment and Chemical Treatment of Algae

Algae is a normal and healthy part of aquatic ecosystems. [More info can be obtained from the Beautiful Ponds website.](#)  
Algae treatments were conducted on the following date(s):

Treatment Date

09/25/2020

### Target Plant Management

We found the following nuisance / exotic / non-native plants in and around your pond / lake. Plants listed as Exotic Pest Plant Council (EPPC) category 1 are the most significant threat to a balanced ecosystem.

<u>Plant</u>	<u>Species</u>	<u>EPPC</u>	<u>Presence</u>	<u>Date</u>
Alligatorweed	<i>Alternanthera philoxeroides</i>	2	Present	9/25/2020
Brazilian pepper	<i>Schinus terebinthifolia</i>	1	Present	9/25/2020
Primrosewillow	<i>Ludwigia spp.</i>	N	Present	9/25/2020
Torpedo Grass	<i>Panicum repens</i>	1	Present	9/25/2020
Wild bushbean	<i>Macroptilium lathyroides</i>	2	Present	9/25/2020
Wedelia	<i>Sphagneticola trilobata</i>	2	Present	9/25/2020

### Water Level

<u>Date</u>	<u>Water Level Observation</u>
09/25/2020	At Control Elevation

## EVMA Lake 7

### Algae

The following were observed on EVMA Lake 7:

<u>Date</u>	<u>Algae Type</u>	<u>Present</u>	<u>Dominant</u>
09/25/2020	Filamentous Mixed	x	

### Probiotic Treatment and Chemical Treatment of Algae

## EVMA Lake 7 continued

Algae treatments were conducted on the following date(s):

Treatment Date

09/25/2020

### Target Plant Management

We found the following nuisance / exotic / non-native plants in and around your pond / lake. Plants listed as Exotic Pest Plant Council (EPPC) category 1 are the most significant threat to a balanced ecosystem.

<u>Plant</u>	<u>Species</u>	<u>EPPC</u>	<u>Presence</u>	<u>Date</u>
Alligatorweed	<i>Alternanthera philoxeroides</i>	2	Present	9/25/2020
Primrosewillow	<i>Ludwigia spp.</i>	N	Present	9/25/2020

### Water Level

Date

09/25/2020

Water Level Observation

At Control Elevation

Please call with any questions. Thanks for your business.

Beautiful Ponds Customer Service

(941) 488-1942

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