

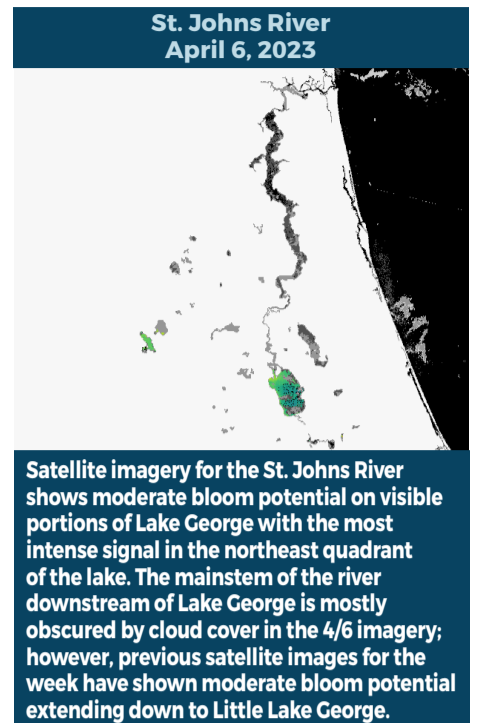
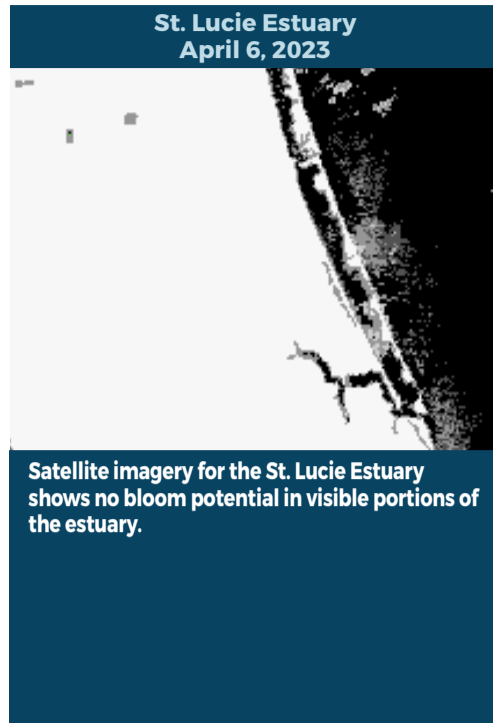
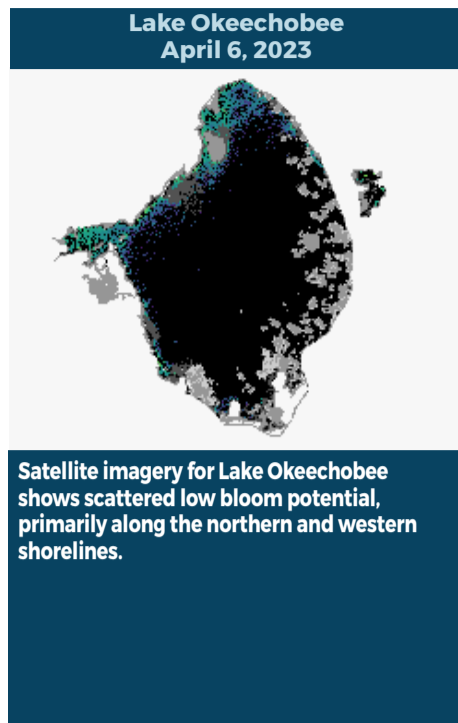
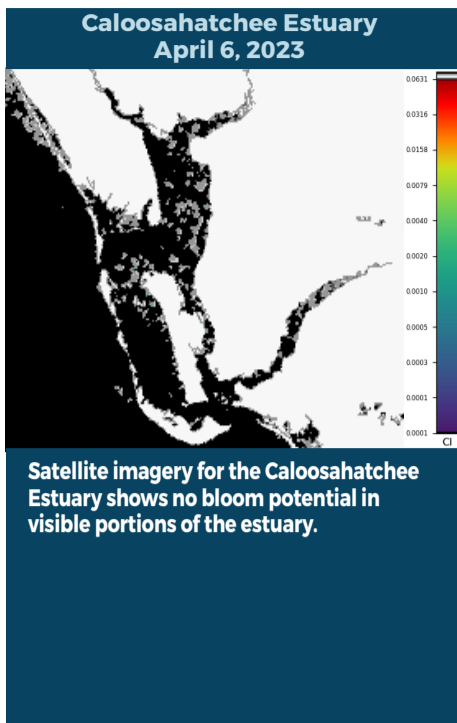


# BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

## REPORTING MARCH 31 - APRIL 6, 2023

Satellite imagery provided by NOAA - Images are impacted by cloud cover.

A value of 0.004 is nominally equivalent to approximately 20-30 ug/L chlorophyll a of cyanobacteria, and 0.06 would be in the 300-500 ug/L chlorophyll a range. Please keep in mind that bloom potential is subject to change due to rapidly changing environmental conditions or satellite inconsistencies (i.e., wind, rain, temperature or stage).



## SUMMARY

There were 37 reported site visits in the past seven days with 37 samples collected. Algal bloom conditions were observed by samplers at 22 of the sites.

On 4/3-4/6, Florida Department of Environmental Protection staff collected harmful algal bloom (HAB) response samples at 24 locations. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- **Scott Lake - at Fitzgerald Rd Boat Ramp:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Lake Hollingsworth - at Lakeland Water Ski Club:** No dominant algal taxon; no cyanotoxins detected.
- **Lake Whistler - at Dock:** *Microcystis aeruginosa*; trace level (0.28 parts per billion [ppb]) microcystins detected.
- **Tiger Lake - Center:** *Microcystis aeruginosa*; microcystins estimated to be 3.3 ppb.
- **Lake Sue - Fawsett Ramp:** *Microcystis aeruginosa*; trace level (0.40 ppb) microcystins detected.
- **Big Sand Lake - from Dock:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Lake Copeland - SE Corner:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Sunset Lake - W Shore:** *Aphanizomenon flos-aquae*; trace level (0.50 ppb) microcystins detected.
- **Lake Baldwin - Fleet Peoples Park:** *Microcystis aeruginosa*; trace level (0.65 ppb) microcystins detected.
- **L8 Canal - Tieback Canal:** No dominant algal taxon; no cyanotoxins detected.
- **Louise Lake - NW Lobe:** *Microcystis aeruginosa*; trace level (0.74 ppb) microcystins detected.
- **Georges Lake - Center:** *Microcystis aeruginosa*; trace level (0.18 ppb) microcystins detected.
- **Georges Lake - Boat Ramp Rd:** *Microcystis aeruginosa*; trace level (0.27 ppb) microcystins detected.
- **Bonita Lake - S Shore:** *Oedogonium sp.*; trace level (0.24 ppb) cylindrospermopsin detected.
- **Pioneer Lake - NE Shore:** *Microcystis aeruginosa*; trace level (0.46 ppb) microcystins detected.
- **Lake Virginia - Dinky Dock:** Results pending.
- **Caloosahatchee - Alva Boat Ramp:** Results pending.
- **Lake Griffin - SE Shore:** Results pending.
- **Lake Marian Boat Ramp:** Results pending.
- **Lake Rochelle - Dock:** Results pending.
- **Lake Osceola - Canton Ave:** Results pending.
- **Lake Hancock - South Central:** Results pending.
- **Lake Placid - Boat Ramp:** Results pending.
- **Lake Glenada - Boat Ramp:** Results pending.

On 4/3-4/5, South Florida Water Management District staff collected two HAB response samples and eight routine HAB monitoring samples. Samples collected from the southern half of **Lake Okeechobee** on 4/5 were not received until the morning of 4/7 due to a delivery delay.

- **Lake Okeechobee - S308C (lakeside):** No dominant algal taxon; no cyanotoxins detected.
- **C44 canal - S308C (canal side):** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Lake Okeechobee - LZ2:** No dominant algal taxon; no cyanotoxins detected.
- **Lake Okeechobee - KISSR0.0:** No dominant algal taxon; no cyanotoxins detected.
- **Lake Okeechobee - L005:** No dominant algal taxon; no cyanotoxins detected.
- **Lake Okeechobee - POLESOUT:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Lake Okeechobee - CLV10A:** No dominant algal taxon; cyanotoxin results pending.
- **Lake Okeechobee - PALMOUT:** No dominant algal taxon; cyanotoxin results pending.
- **Lake Okeechobee - LZ30:** No dominant algal taxon; cyanotoxin results pending.
- **Lake Okeechobee - RITTAE2:** No dominant algal taxon; cyanotoxin results pending.

On 4/3, Collier County staff collected a HAB response sample from **Moorings Bay - at Devils Lake Outfall**. There was no dominant algal taxon and no cyanotoxins detected.

On 4/6, Highlands County staff collected HAB response samples from **Lake Persimmon - Boat Ramp** and from **Lake Apthorpe Boat Ramp**. Results are pending.

### Previous Sampling

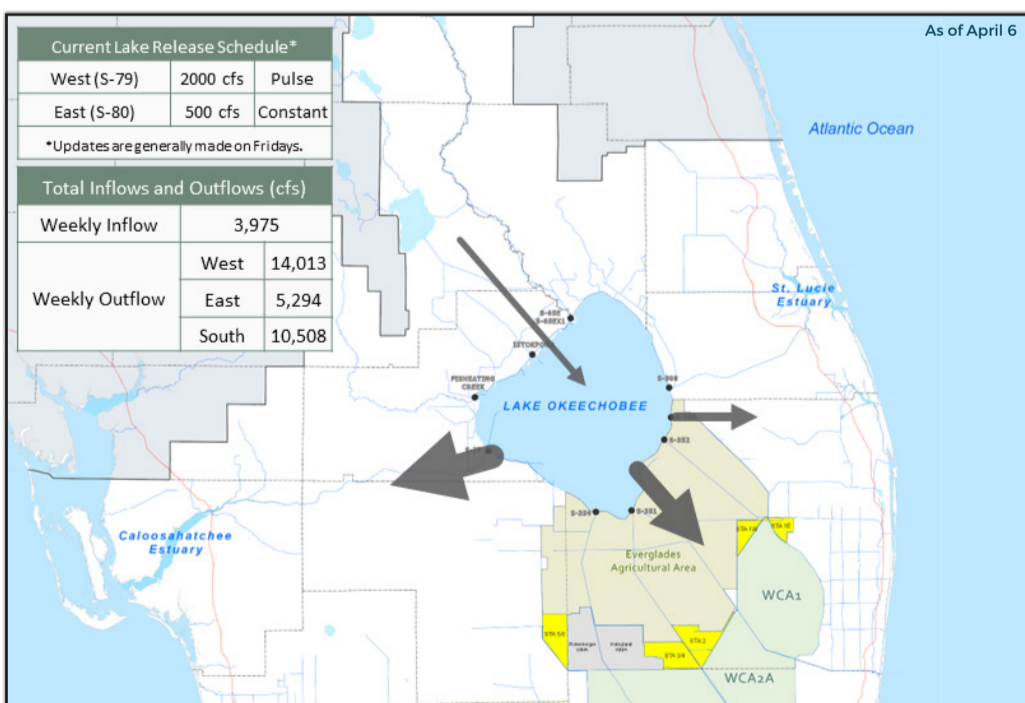
On 3/23, St. Johns River Water Management District staff collected HAB response samples at **Newnans Lake - Center**. There was no dominant algal taxon and microcystins were estimated to be 1.4 ppb.

On 3/30, Orange County collected a HAB response sample from **Lake Ola - NE Shore**. There was no dominant algal taxon and no cyanotoxins were detected.

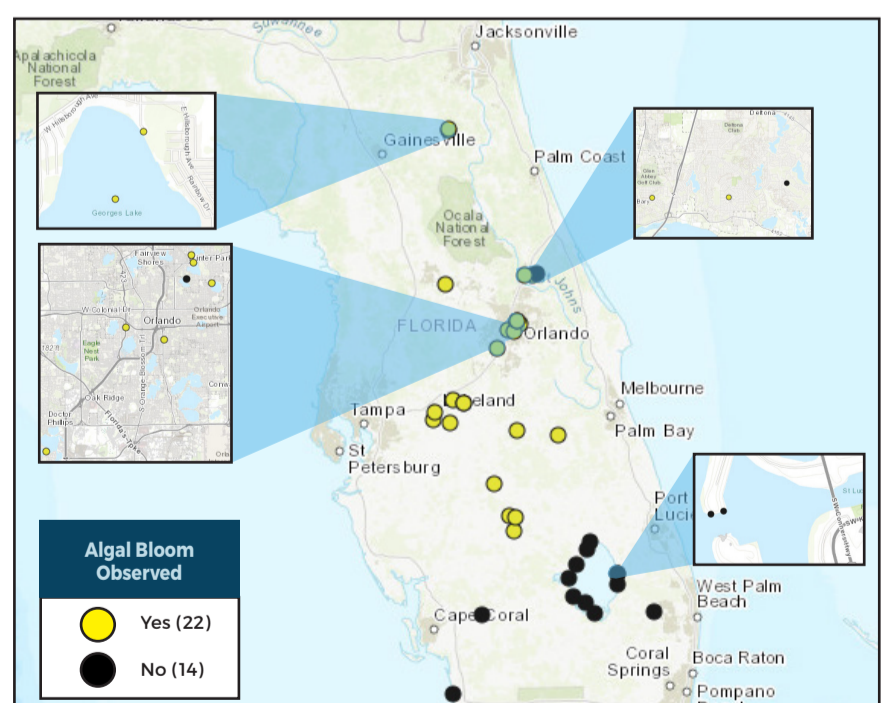
Results for completed analyses are available at [FloridaDEP.gov/AlgalBloom](https://FloridaDEP.gov/AlgalBloom).

This is a high-level summary of the sampling events for the reported week. For all field visit and analytical result details, please refer to the complete algal bloom map with data table by clicking the "Field and Lab Details" Quick Link from the Algal Bloom Dashboard. Different types of blue-green algal bloom species can look different and have different impacts. However, regardless of species, many types of blue-green algae can produce toxins that can make you or your pets sick if swallowed or possibly cause skin and/or eye irritation due to contact. We advise staying out of water where algae is visibly present as specks or mats or where water is discolored pea-green, blue-green or brownish-red. Additionally, pets or livestock should not come into contact with algal bloom-impacted water or with algal bloom material or fish on the shoreline.

### LAKE OKEECHOBEE OUTFLOWS



### SITE VISITS FOR BLUE-GREEN ALGAE



### SIGN-UP FOR UPDATES

To receive personalized email notifications about blue-green algae and red tide, visit

**PROTECTING TOGETHER**  
ProtectingFloridaTogether.gov

### REPORT PUBLIC HEALTH ISSUES

#### HUMAN ILLNESS

Florida Poison Control Centers can be reached 24/7 at 800-222-1222

(DOH provides grant funding to the Florida Poison Control Centers)

#### OTHER PUBLIC HEALTH CONCERNS

**CONTACT DOH**

(DOH county office)

FloridaHealth.gov/  
all-county-locations.html



#### SALTWATER BLOOM

- Observe stranded wildlife or a fish kill.
- Information about red tide and other saltwater algal blooms.

**CONTACT FWC**

800-636-0511 (fish kills)  
888-404-3922 (wildlife Alert)

MyFWC.com/RedTide



### REPORT ALGAL BLOOMS

#### FRESHWATER BLOOM

- Observe an algal bloom in a lake or freshwater river.
- Information about blue-green algal blooms.

**CONTACT DEP**

855-305-3903  
(to report freshwater blooms)

FloridaDEP.gov/AlgalBloom

