

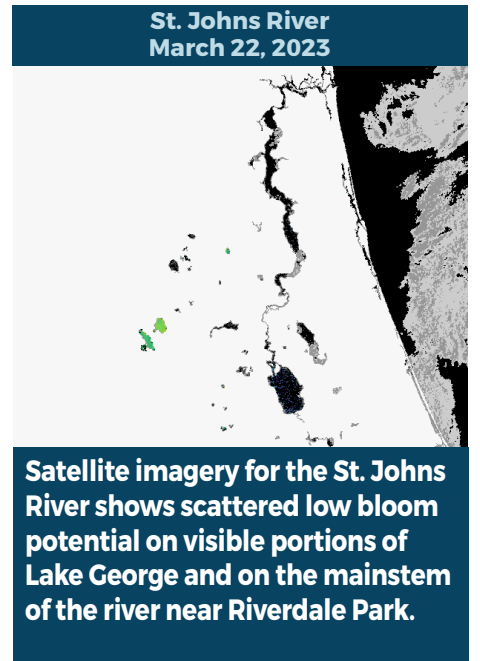
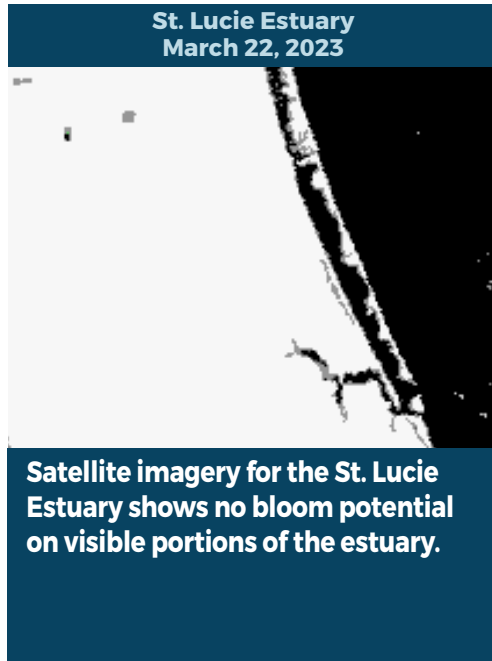
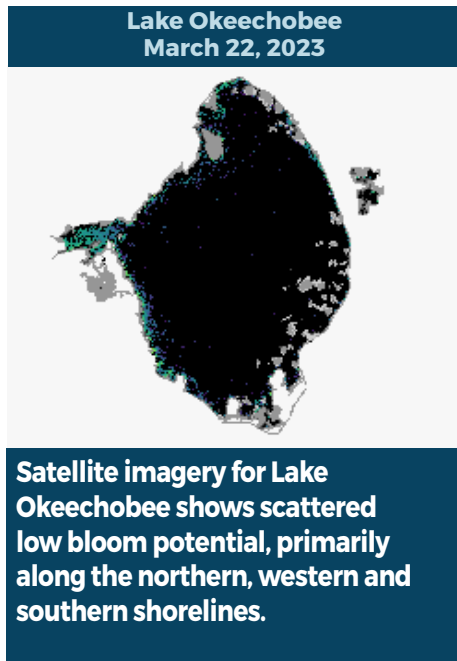
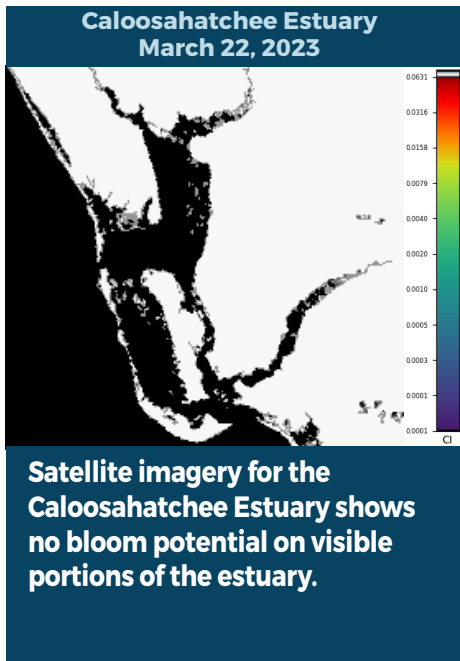


BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING MARCH 17 - MARCH 23, 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 21 reported site visits in the past seven days with 21 samples collected. Algal bloom conditions were observed by samplers at 17 of the sites.

On 3/17-3/23, Florida Department of Environmental Protection (DEP) staff collected harmful algal bloom (HAB) response samples at 16 locations. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- **Georges Lake - Center:** *Microcystis aeruginosa*; microcystins were estimated to be 2.4 parts per billion (ppb). DEP continues to monitor the persistent algal bloom in **Georges Lake**. The Putnam County Health Department has a Cyanobacteria Health Advisory notification posted for **Georges Lake** and it remains in effect.
- **Georges Lake - Boat Ramp:** *Microcystis aeruginosa*; microcystins were estimated to be 2.4 ppb. DEP continues to monitor the persistent algal bloom in **Georges Lake**. The Putnam County Health Department has a Cyanobacteria Health Advisory notification posted for **Georges Lake** and it remains in effect.
- **Johns Lake - W Lobe:** *Zygnema sp.* (a filamentous green alga); no cyanotoxins detected.
- **Tiger Lake - Center:** *Microcystis aeruginosa*; microcystins were estimated to be 6.5 ppb.
- **Louise Lake - NW Lobe:** *Microcystis aeruginosa*; 3.7 ppb microcystins detected.
- **Lake Tsala Apopka - Church Lake North:** *Microcystis aeruginosa* and *Aphanizomenon flos-aquae*; no cyanotoxins detected.
- **Lake Pearl - Woodside Village Ramp:** *Microcystis aeruginosa*; trace level (0.28 ppb) microcystins detected.
- **Lake Pineloch - E Shore:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Lake Glenada - Boat Ramp:** Results pending.
- **Blue Lake:** Results pending.
- **Lake Placid - Boat Ramp:** Results pending.
- **Lake Cherokee - SE Shore:** Results pending.
- **Lake Maitland - Kraft Azalea Garden:** Results pending.
- **Lake Osceola - Canton Ave:** Results pending.
- **Lake Virginia - Dinky Dock:** Results pending.
- **Lake Baldwin - Fleet Peoples Park:** Results pending.

On 3/23, Orange County staff collected two HAB response samples at two locations.

- **Caywood Pond - SW Dock:** Results pending.
- **Lake Speer - NW Lobe:** Results pending.

On 3/20, South Florida Water Management District (SFWMD) staff collected HAB response samples at two locations.

- **Lake Okeechobee - S308C (lakeside):** No dominant algal taxon; no cyanotoxins detected.
- **C44 canal - S308C (canal side):** No dominant algal taxon; no cyanotoxins detected.

On 3/23, St. Johns River Water Management District (SJRWMD) staff collected a routine HAB monitoring sample at **Lake Washington - Center (LWC)**. Results are pending.

Last Week

On 3/16, DEP staff collected HAB response samples at seven locations.

- **Lake Marian - Boat Ramp:** *Microcystis aeruginosa*; 2.5 ppb microcystins detected.
- **Lake Sue - Fawsett Ramp:** *Microcystis aeruginosa*; an estimated trace level (0.17 ppb) of microcystins detected.
- **Deep Lake - N Shore:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Louise Lake - NW Lobe:** *Microcystis aeruginosa*; 7.2 ppb microcystins detected.
- **Lake Howell - NW Shore:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Lake Mann - McQueen Park:** No dominant algal taxon; trace level (0.13 ppb) cylindrospermopsin detected.
- **Sunset Lake - W Shore:** *Microcystis aeruginosa*; microcystins were estimated to be 1.9 ppb.

On 3/16, SFWMD staff collected one HAB response sample at **L8 M Canal - CWPB2S (upstream)** that had no dominant algal taxon and no cyanotoxins detected.

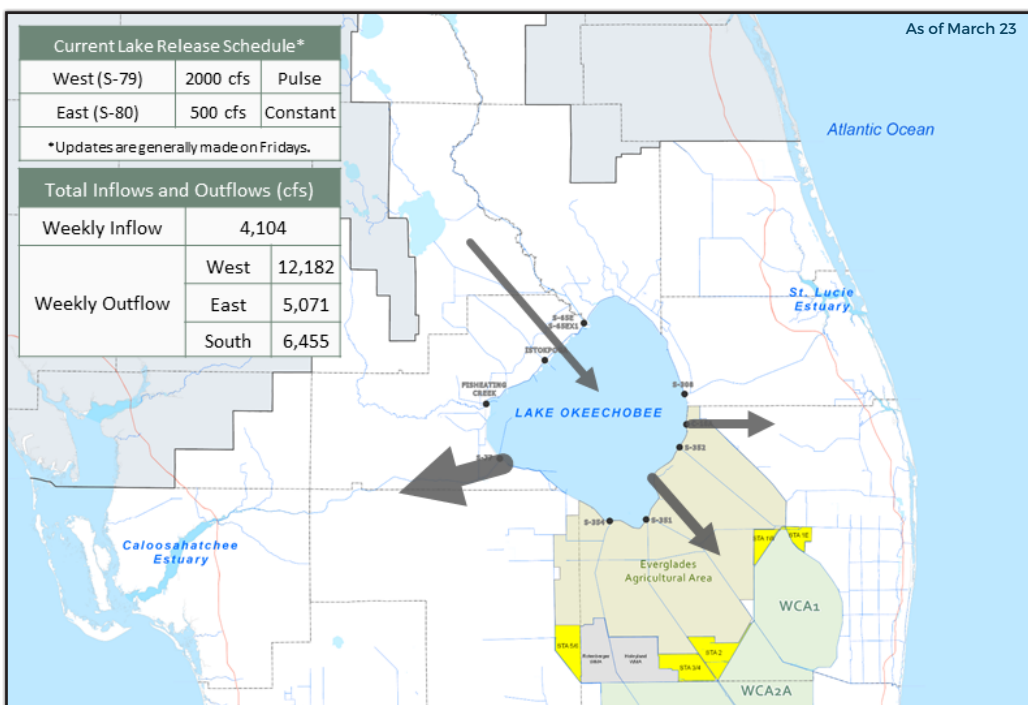
On 3/16, SJRWMD staff collected a routine HAB monitoring sample at **Crescent Lake - mouth of Dunns Creek (CRESLM)** that had no dominant algal taxon and no cyanotoxins detected.

On 3/16, Highlands County staff collected one HAB response sample at **Lake Viola - Boat Ramp** that was co-dominated by *Microcystis aeruginosa* and *Cylindrospermopsis raciborskii* and had no cyanotoxins detected.

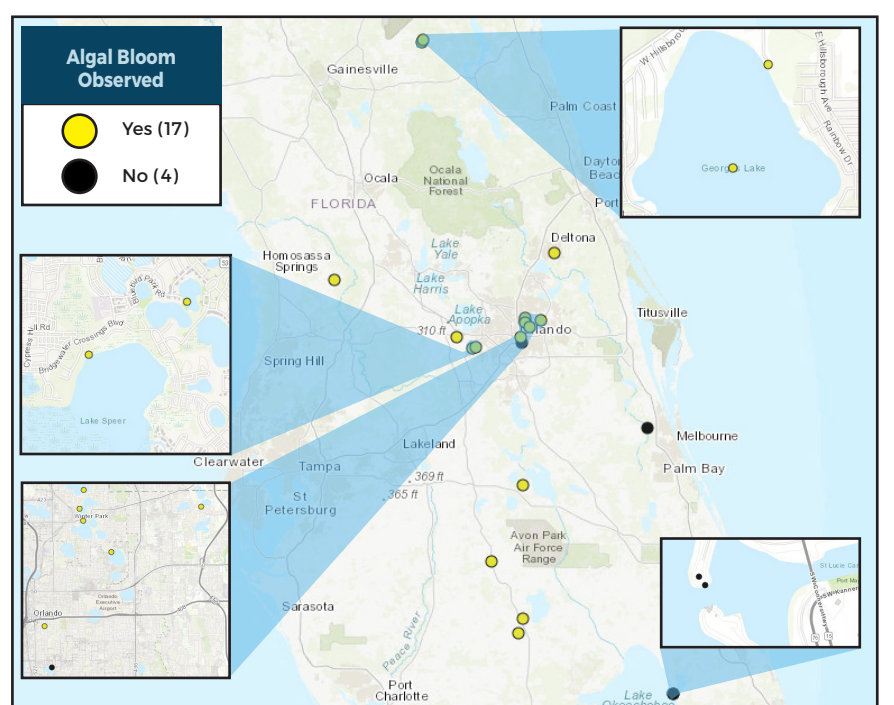
Results for completed analyses are available at FloridaDEP.gov/AlgalBloom.

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

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



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

