

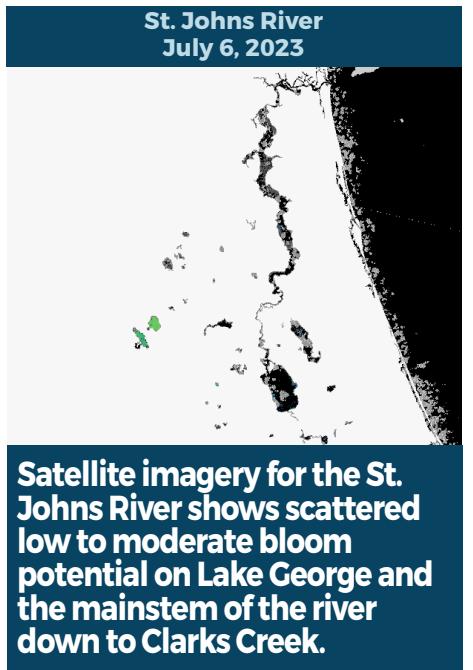
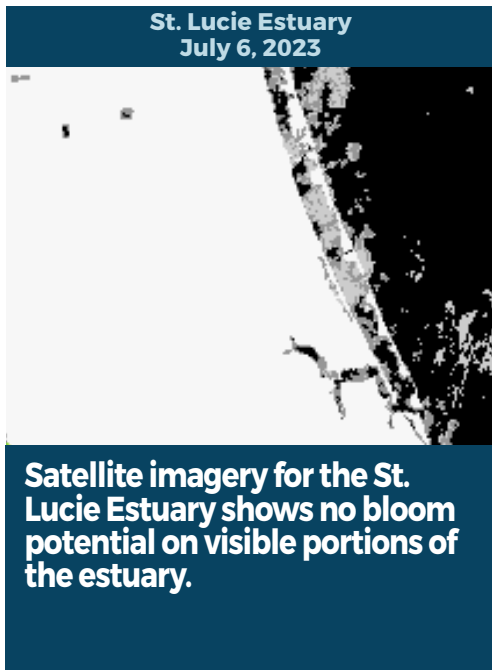
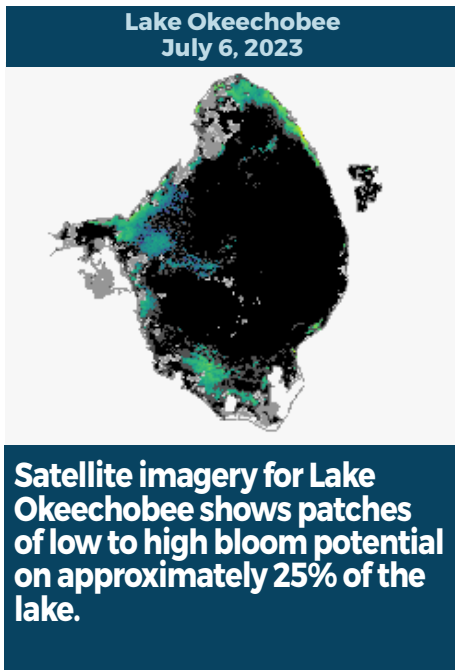
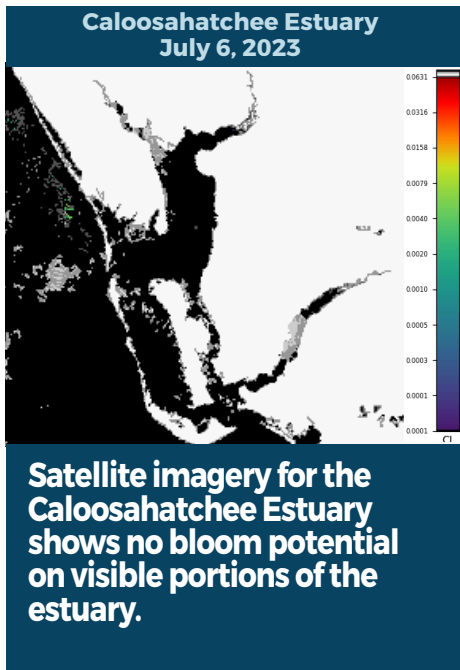


# BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

## REPORTING JUNE 30 - JULY 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).



DEP in coordination with its state and local partners extensively monitors and samples locations throughout Florida to evaluate water quality. Since January, DEP's Division of Environmental Assessment and Restoration has performed over 782 site visits and more than 1,130 sets of cyanotoxin analyses at DEP's state-of-the-art laboratory to protect public health and the environment. Learn more about the [roles and responsibilities](#) of the agencies within this network when responding to blue-green algal blooms as well as how local county health departments issue caution and health alert notices.

### SUMMARY

There were 31 reported site visits in the past seven days with 29 samples collected. Algal bloom conditions were observed by samplers at 20 of the sites.

On 7/5-7/6, Florida Department of Environmental Protection (DEP) staff visited 24 locations and collected 22 HAB response samples. No blooms were observed and no samples were collected at the **Caloosahatchee - Sebastian Ct** and **Caloosahatchee - Alva Boat Ramp** locations. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- **Louise Lake - NW Lobe:** *Planktolyngbya limnetica*; trace level (0.13 parts per billion [ppb]) microcystins detected.
- **Caloosahatchee - End of SE 13th Ave:** *Sphaerospermopsis torques-reginae*; no cyanotoxins detected.
- **Caloosahatchee - Jaycee Park:** *Microcystis aeruginosa*; 2.8 ppb microcystins detected.
- **Caloosahatchee - End of Canal Cir:** *Microcystis aeruginosa*; 2.5 ppb microcystins detected.
- **Caloosahatchee - Whitecap Cir Dock:** *Microcystis aeruginosa*; 3.2 ppb microcystins detected.
- **Pioneer Lake - NE Shore:** *Microcystis aeruginosa*; 0.45 ppb microcystins detected.
- **Caloosahatchee - Coral Point Dr:** *Microcystis aeruginosa*; 16.8 ppb microcystins detected.
- **Bonita Lake - S Shore:** *Oedogonium sp.*; trace level (0.26 ppb) anatoxin-a detected.
- **C-107 at NW Volucia Drive:** *Oedogonium sp.*; no cyanotoxins detected.

Results are pending for samples collected at **Peace River - Veterans Park Ramp**; **Peace River - at Bartow**; **Peace River - Crews Park Boat Ramp**; **Peace River - Brownville**; **Peace River - at Fort Meade**; **Lake Aphorpe - Boat Ramp**; **Lake Hancock - South Central**; **Lake Okeechobee - Pahokee Marina**; **Lake Weir - Eatons Beach**; **Lake Okeechobee - S308C (lakeside)**; **C44 canal - S308C (canal side)**; **Lake Rowena - near NE corner**; and **Blue Lake - Western Shore**.

On 7/5, South Florida Water Management District staff collected six HAB response samples.

- **C43 Canal - S77 (upstream):** No dominant algal taxon; no cyanotoxins detected.
- **C43 Canal - S78 (upstream):** No dominant algal taxon; no cyanotoxins detected.
- **C43 Canal - S79 (upstream):** No dominant algal taxon; no cyanotoxins detected.
- **Lake Okeechobee - S271 (lakeside):** *Microcystis aeruginosa*; 3.3 ppb microcystins detected.
- **Lake Okeechobee - S352 (lakeside):** *Microcystis aeruginosa*; 2.6 ppb microcystins detected.
- **Lake Okeechobee - S354 (lakeside):** *Microcystis aeruginosa*; 1.0 ppb microcystins detected.

On 7/6, Highlands County staff collected a HAB response sample at **Lake Istokpoga**. Results are pending.

### Pending Results from Last Week

On 6/28-6/29, DEP staff collected HAB response samples at five sites. The samples for **Caloosahatchee River - Harbor View Canal** and **Caloosahatchee River - Rubicon Canal** were not received by the laboratory due to a shipping delay.

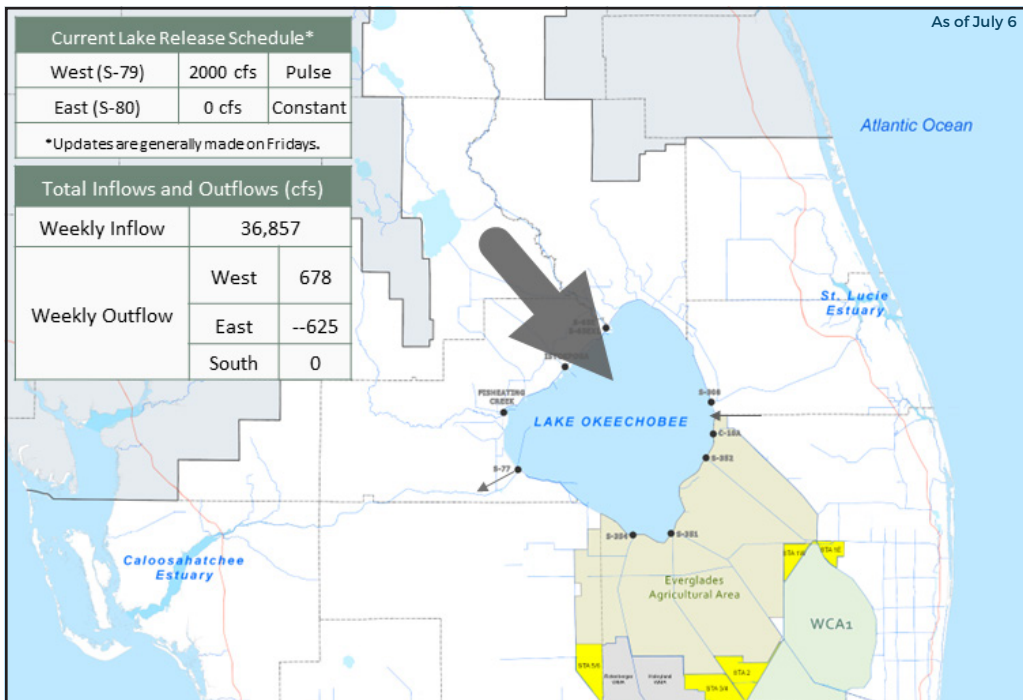
- **Caloosahatchee River - Rivers Condo:** No dominant algal taxon; no cyanotoxins detected.
- **Georges Lake - Boat Ramp:** *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant.
- **Caloosahatchee River - Overiver Dr:** *Microcystis aeruginosa*; trace level (0.76 ppb) microcystins detected.

On 6/29, St. Johns River Water Management District staff collected one routine HAB monitoring sample at **Lake Washington - Center** and one HAB response sample at **Bull Creek**. The **Lake Washington - Center** sample was dominated by *Dolichospermum circinale*, and the **Bull Creek** sample was dominated by *Microcystis aeruginosa*. Neither sample had cyanotoxins detected.

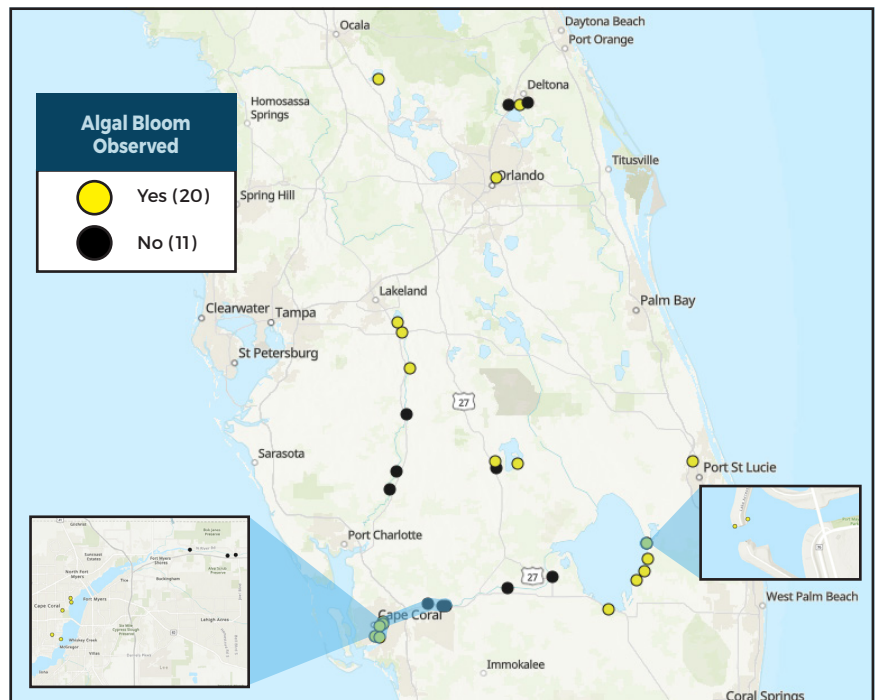
Results for completed analyses are available at [FloridaDEP.gov/AlgalBloom](http://FloridaDEP.gov/AlgalBloom).

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](http://FloridaHealth.gov/all-county-locations.html)

### REPORT ALGAL BLOOMS

#### 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](http://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](http://FloridaDEP.gov/AlgalBloom)