

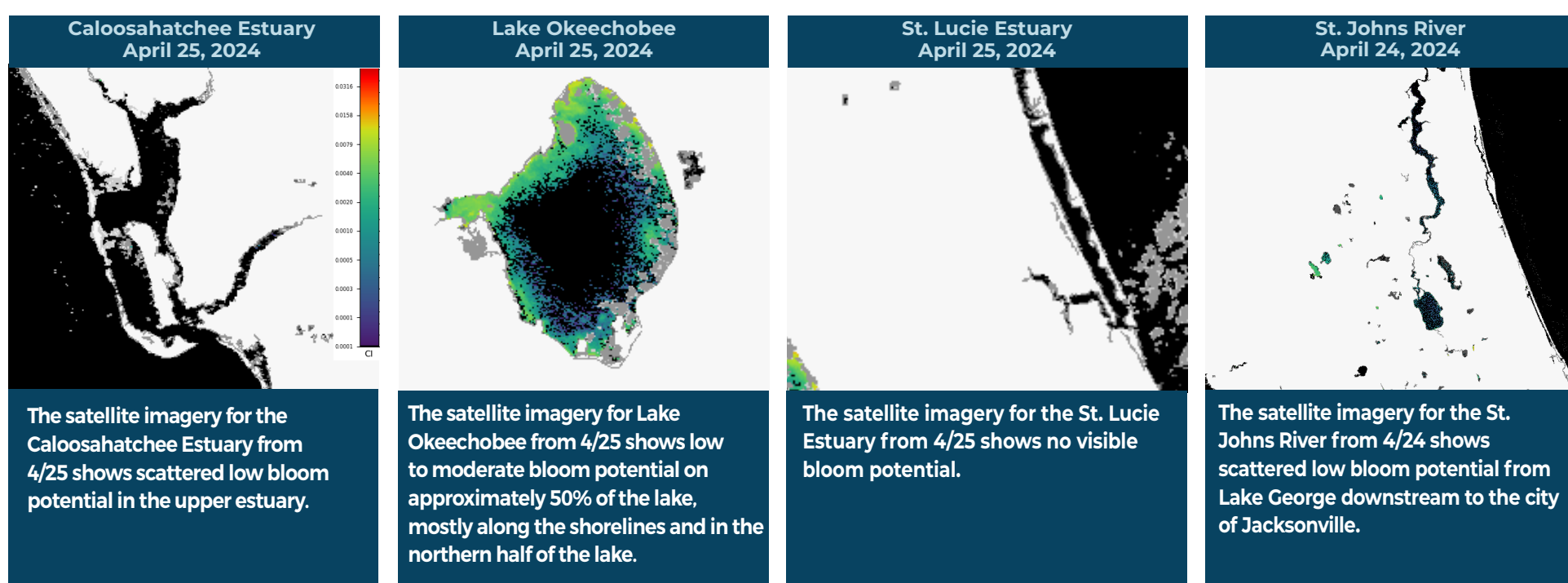


# BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

## REPORTING APRIL 19 - APRIL 25, 2024

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 26 reported site visits in the past seven days with 26 samples collected. Algal bloom conditions were observed by samplers at 13 of the sites.

On 4/22 - 4/25, Florida Department of Environmental Protection (DEP) staff collected eight harmful algal bloom (HAB) response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

**Lake Minnehaha - East Dock:** No dominant algal taxon; no cyanotoxins detected.

**Lake Pearl - Park Dock:** *Microcystis aeruginosa*; no cyanotoxins detected.

**Lake Tarpon - Anderson Park:** *Microcystis aeruginosa* and *Cylindrospermopsis raciborskii* co-dominant; no cyanotoxins detected.

**Caloosahatchee River - North Canal Circle:** No dominant algal taxon; trace level [0.34 parts per billion (ppb)] microcystins detected.

**Lake Buckeye - Ramp:** *Microcystis* sp. and *Dolichospermum circinale* co-dominant; no cyanotoxins detected.

**Lake Arnold - North Shore:** *Microcystis aeruginosa* and *Cylindrospermopsis raciborskii* co-dominant; trace level (0.16 ppb) microcystins and trace level (0.38 ppb) anatoxin-a detected.

**Little Big Econ - Canoe Launch:** *Dolichospermum circinale*; no cyanotoxins detected.

**Little Big Econ - Barr Street:** *Dolichospermum circinale*; no cyanotoxins detected.

**Little Big Econ - Jay Blanchard Park:** results pending.

On 4/23 - 4/24, South Florida Water Management District staff collected three HAB response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

**C51 Canal - S155A (upstream):** *Microcystis aeruginosa*; trace level (0.10 ppb) cylindrospermopsin detected.

**C44 Canal - S308C:** *Microcystis aeruginosa* and *Dolichospermum circinale* co-dominant; 3.6 ppb microcystins detected.

**Lake Okeechobee - Pahokee Marina:** *Microcystis aeruginosa*; an estimated 1.1 ppb microcystins detected.

On 4/22 - 4/25, St. Johns River Water Management District (SJRWMD) staff collected two HAB response samples and 10 routine HAB monitoring samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

**St. Johns River - Mandarin Point:** No dominant algal taxon; no cyanotoxins detected.

**Doctors Lake - Center:** No dominant algal taxon; no cyanotoxins detected.

**St. Johns River - Shands Bridge:** No dominant algal taxon; no cyanotoxins detected.

**Fellsmere Water Management Area - Center:** *Woronichinia naegeliana*; trace level (0.53 ppb) microcystins detected.

**Stick Marsh - North:** No dominant algal taxon; no cyanotoxins detected.

**Blue Cypress Lake - Center:** No dominant algal taxon; no cyanotoxins detected.

**Lake Jesup - Center:** *Cylindrospermopsis raciborskii* and *Planktolyngbya limnetica* co-dominant; trace level (0.21 ppb) cylindrospermopsin detected.

**Lake George - Center:** No dominant algal taxon; cyanotoxin results pending.

**Lake Monroe - Center:** *Cylindrospermopsis raciborskii*; no cyanotoxins detected.

**Crescent Lake - Mouth of Dunns Creek:** No dominant algal taxon; no cyanotoxins detected.

**Little Econ River - Riverside Park:** *Dolichospermum circinale*; no cyanotoxins detected.

**Harris Bayou - Center:** results pending.

On 4/23, Highlands County staff collected two HAB response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

**Lake Placid - Boat Ramp:** *Cylindrospermopsis raciborskii*; no cyanotoxins detected.

**Lake Glenada - Boat Ramp:** *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; trace level (0.47 ppb) microcystins detected.

### Last Week

On 4/18, DEP staff collected three HAB response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

**Blanton Lake - South Lobe:** *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; 0.67 ppb microcystins detected.

**Dowling Lake - Off Dock:** *Microcystis aeruginosa* and *Dolichospermum planctonicum* co-dominant; an estimated 2.5 ppb microcystins detected.

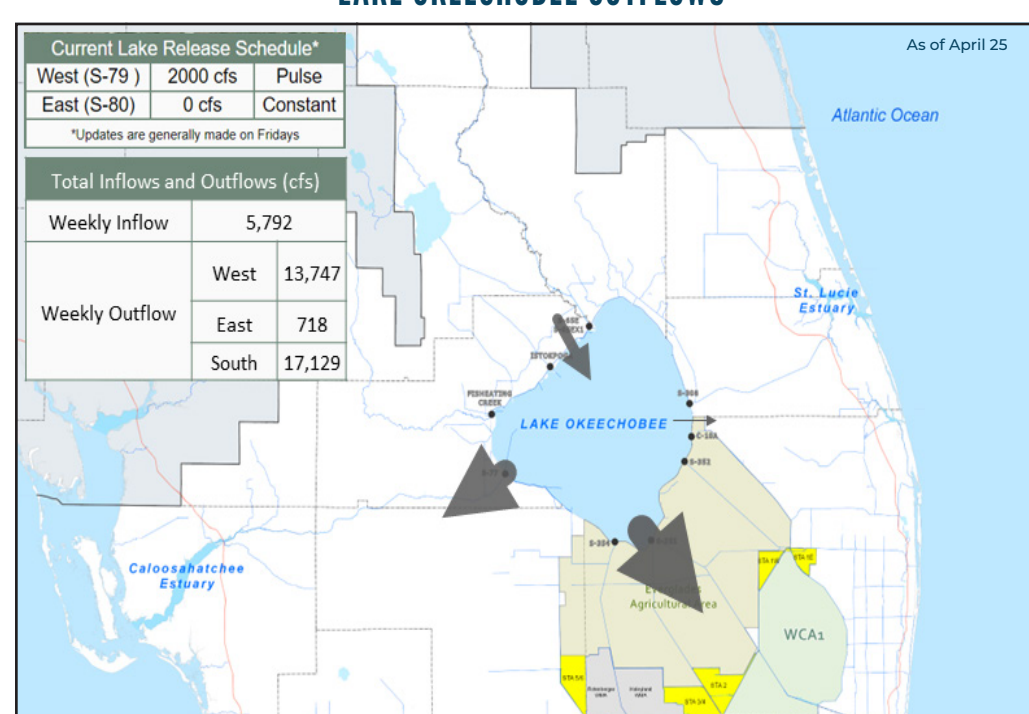
**Weeki Wachee River - Richard Drive:** No dominant algal taxon; no cyanotoxins detected.

On 4/17, SJRWMD staff collected one HAB response sample at **Lake Washington - Center:** No dominant algal taxon; no cyanotoxins detected.

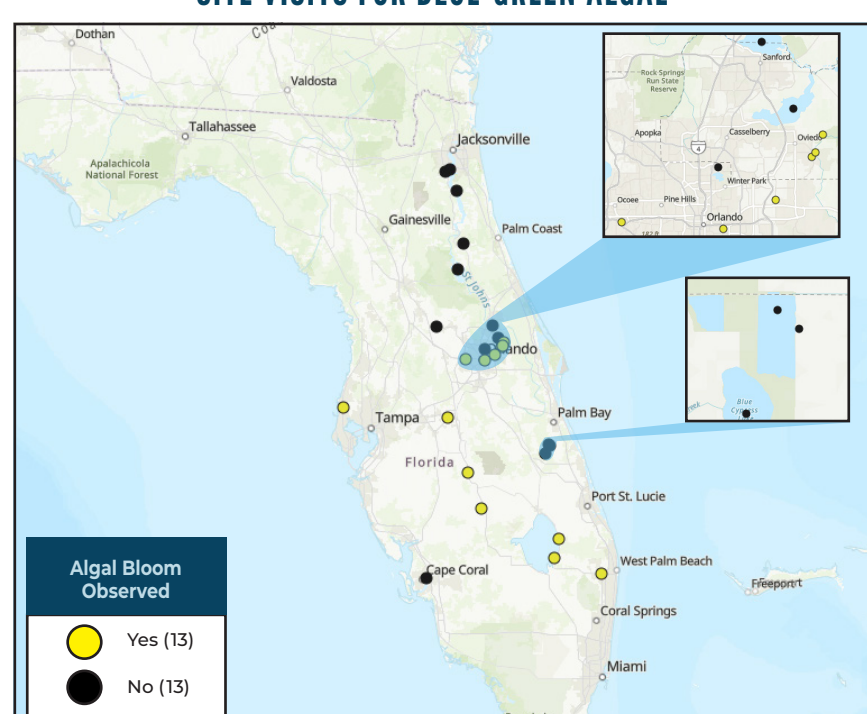
Results for completed analyses are available at [FloridaDEP.gov/AlgalBloom](https://FloridaDEP.gov/AlgalBloom).

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](https://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](https://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](https://FloridaDEP.gov/AlgalBloom)