

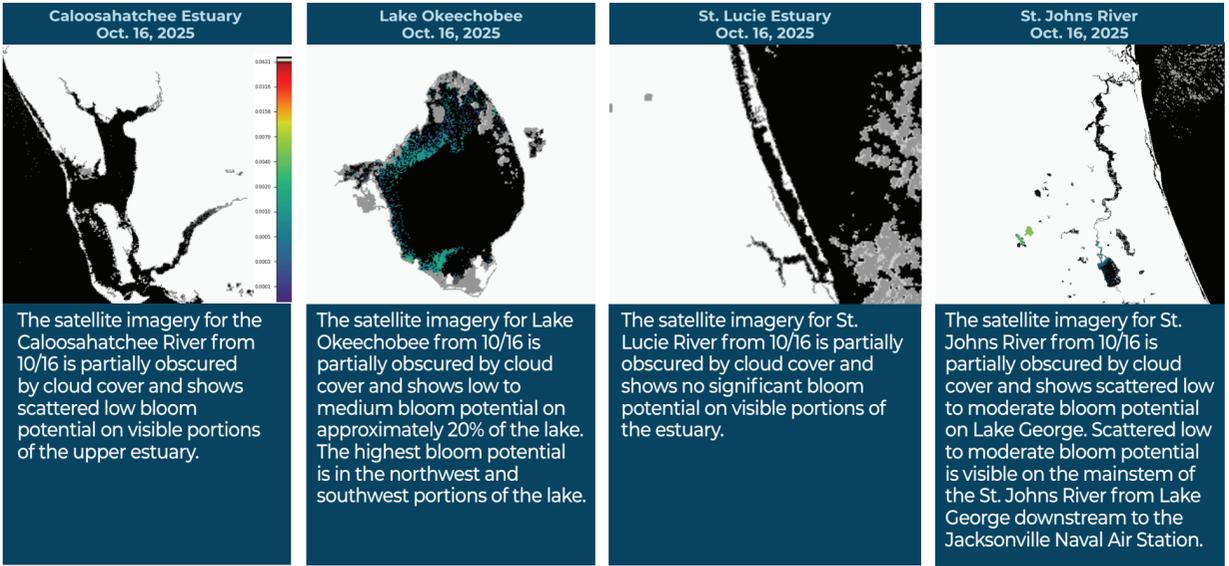


# BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

OCT. 10-OCT. 16, 2025

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).



Effective Oct. 31, 2025, the weekly blue-green algae report will be phased out as we transition to the [water quality dashboard](#) at [ProtectingFloridaTogether.gov](#). This interactive platform provides real-time statewide data on water quality, blue-green algae and red tide.

Sign up for email or text alerts at [ProtectingFloridaTogether.gov](#) to stay informed about conditions in your area.

## SUMMARY

There were 47 reported site visits in the past seven days with 47 samples collected. Algal bloom conditions were observed by samplers at six of the sites.

On 10/13-10/15, Florida Department of Environmental Protection (DEP) staff collected four Harmful Algal Bloom (HAB) response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- Harbor Lake – off Norwegian Drive:** No dominant algal taxon; trace level [0.51 parts per billion (ppb)] of cylindrospermopsin detected.
- Veterans Memorial Park Pond:** *Microcystis aeruginosa* and *Planktolyngbya contorta* co-dominant; 2.0 ppb of microcystins detected.
- Kell-Aire Lake:** *Microcystis aeruginosa* and *Dolichospermum circinale* co-dominant; trace level (0.90 ppb) of microcystins detected.
- St. Johns River – Buzzard Island:** *Microcystis aeruginosa* and *Raphidiopsis raciborskii* co-dominant; trace level (0.14 ppb) of cylindrospermopsin detected.

On 10/13-10/15, South Florida Water Management District (SFWMD) staff collected 31 routine HAB monitoring sample on **Lake Okeechobee** and in the **C44** and **C43** canals, along with five HAB response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- C43 canal – S77 (upstream):** No dominant algal taxon; no cyanotoxins detected.
- Lake Okeechobee – CLV10A:** No dominant algal taxon; trace level (0.10 ppb) of cylindrospermopsin detected.
- Lake Okeechobee – S308C (lakeside):** No dominant algal taxon; no cyanotoxins detected.
- C44 canal – S308C:** No dominant algal taxon; no cyanotoxins detected.
- LZ40:** *Planktolyngbya limnetica*; trace level (0.23 ppb) of cylindrospermopsin detected.
- L006:** *Microcystis aeruginosa*; trace level (0.28 ppb) of cylindrospermopsin detected.
- PALMOUT3:** *Microcystis aeruginosa* and *Planktolyngbya limnetica* co-dominant; trace level (0.18 ppb) of cylindrospermopsin detected.
- PALMOUT2:** *Microcystis aeruginosa* and *Planktolyngbya limnetica* co-dominant; trace level (0.11 ppb) of cylindrospermopsin detected.
- PALMOUT1:** *Microcystis aeruginosa* and *Raphidiopsis raciborskii* co-dominant; trace level (0.13 ppb) of cylindrospermopsin detected.
- PALMOUT:** *Raphidiopsis raciborskii* and *Planktolyngbya limnetica* co-dominant; trace level (0.19 ppb) of cylindrospermopsin detected.
- LZ30:** *Microcystis aeruginosa* and *Dolichospermum circinale* co-dominant; trace level (0.35 ppb) of cylindrospermopsin detected.
- POLES3:** *Microcystis aeruginosa*; trace level (0.31 ppb) of microcystins detected.
- RITTAE2:** *Microcystis aeruginosa*; trace level (0.11 ppb) of cylindrospermopsin detected.
- LZ25A:** *Dolichospermum circinale*; trace level (0.12 ppb) of cylindrospermopsin detected.
- L007:** *Microcystis aeruginosa*; trace levels (0.50 ppb and 0.12 ppb) of microcystins and cylindrospermopsin detected, respectively.
- PELBAY3:** *Microcystis aeruginosa*; trace level (0.13 ppb) of cylindrospermopsin detected.
- KISSR0.0:** No dominant algal taxon; no cyanotoxins detected.
- LZ2:** *Raphidiopsis raciborskii*; trace level (0.21 ppb) of cylindrospermopsin detected.
- NES191:** No dominant algal taxon; trace level (0.11 ppb) of cylindrospermopsin detected.
- L001:** *Planktolyngbya contorta*; trace level (0.15 ppb) of cylindrospermopsin detected.
- NES135:** *Planktolyngbya limnetica*; trace level (0.21 ppb) of cylindrospermopsin detected.
- NCENTER:** No dominant algal taxon; no cyanotoxins detected.
- EASTSHORE:** No dominant algal taxon; trace level (0.13 ppb) of cylindrospermopsin detected.
- L004:** No dominant algal taxon; trace level (0.11 ppb) of cylindrospermopsin detected.
- L008:** No dominant algal taxon; trace level (0.12 ppb) of cylindrospermopsin detected.
- L005:** *Planktolyngbya limnetica*; trace level (0.13 ppb) of cylindrospermopsin detected.
- POLESOUT3:** No dominant algal taxon; trace level (0.10 ppb) of cylindrospermopsin detected.
- POLESOUT2:** *Raphidiopsis raciborskii* and *Planktolyngbya limnetica* co-dominant; trace level (0.18 ppb) of cylindrospermopsin detected.
- POLESOUT1:** *Raphidiopsis raciborskii* and *Planktolyngbya limnetica* co-dominant; trace level (0.18 ppb) of cylindrospermopsin detected.
- POLESOUT:** *Raphidiopsis raciborskii* and *Planktolyngbya limnetica* co-dominant; trace level (0.12 ppb) of cylindrospermopsin detected.
- KBARSE:** *Raphidiopsis raciborskii* and *Planktolyngbya limnetica* co-dominant; trace level (0.16 ppb) of cylindrospermopsin detected.
- L8 Canal – CULV10A:** No dominant algal taxon; no cyanotoxins detected.
- Lake Okeechobee – S352:** No dominant algal taxon; trace level (0.15 ppb) of cylindrospermopsin detected.
- L10 Canal – S352:** *Microcystis aeruginosa*; trace level (0.13 ppb) of cylindrospermopsin detected.
- Lake Okeechobee – Pahokee Marina:** *Microcystis aeruginosa*; 1.9 ppb of microcystins and a trace level (0.19 ppb) of cylindrospermopsin detected.
- Lake Okeechobee – S354:** *Microcystis aeruginosa* and *Dolichospermum circinale* co-dominant; 35 ppb of microcystins and a trace level (0.10 ppb) of cylindrospermopsin detected.

On 10/14-10/16, St. Johns River Water Management District staff collected seven routine HAB monitoring samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- St. Johns River – Mandarin Point:** No dominant algal taxon; trace level (0.10 ppb) of microcystins detected.
- Doctors Lake – Center:** *Microcystis aeruginosa* and *Planktolyngbya limnetica* co-dominant; trace level (0.33 ppb) of microcystins detected.
- St. Johns River – Shands Bridge:** *Microcystis aeruginosa*; trace level (0.16 ppb) of cylindrospermopsin detected.
- Lake George – Center:** *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; trace level (0.11 ppb) of cylindrospermopsin detected.
- Blue Cypress Lake – Center:** Results pending.
- Stick Marsh – North:** Results pending.
- Crescent Lake – mouth of Dunns Creek:** Results pending.

### Last week

On 10/9, DEP staff collected two HAB response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- Lake Marian – Pavilion:** *Microcystis aeruginosa*; an estimated 1.6 ppb of microcystins detected.
- Lake Cherokee – Northwest Corner:** *Microcystis aeruginosa* and *Raphidiopsis raciborskii* co-dominant; trace level (0.23 ppb) of cylindrospermopsin detected.

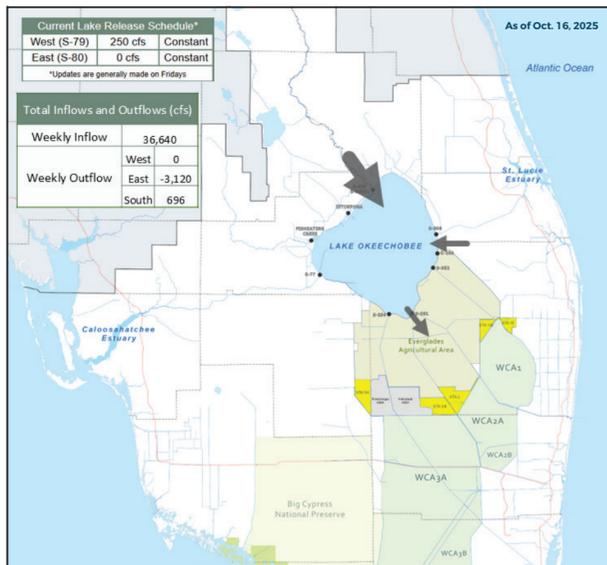
On 10/9, SFWMD staff collected five HAB response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- L8 Canal – CULV10A:** No dominant algal taxon; no cyanotoxins detected.
- Lake Okeechobee – S352:** No dominant algal taxon; trace level (0.12 ppb) of cylindrospermopsin detected.
- L10 Canal – S352:** *Dinophyceae*; no cyanotoxins detected.
- Lake Okeechobee – Pahokee Marina:** No dominant algal taxon; trace level (0.13 ppb) of cylindrospermopsin detected.
- Lake Okeechobee – S354:** *Microcystis aeruginosa*; trace levels (0.25 ppb and 0.12 ppb) of microcystins and cylindrospermopsin detected, respectively.

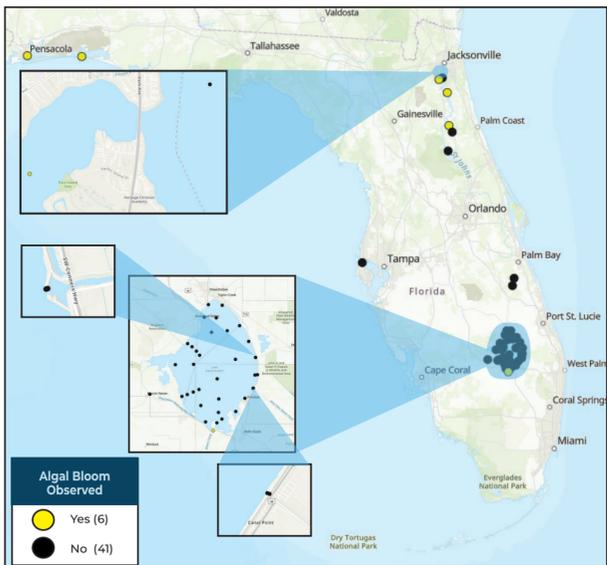
Results for completed analyses are available at [FloridaDEP.gov/AlgalBloom](#).

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 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



[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](#)

### REPORT ALGAL BLOOMS

#### SALTWATER BLOOM

- Observe a fish kill 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](#)