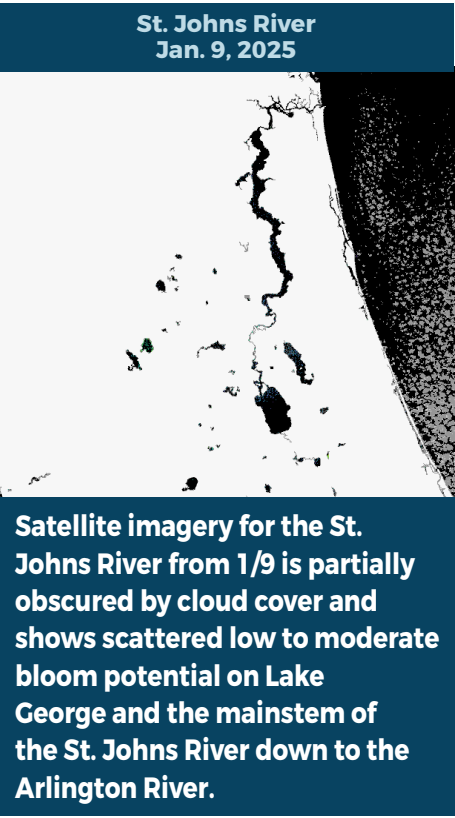
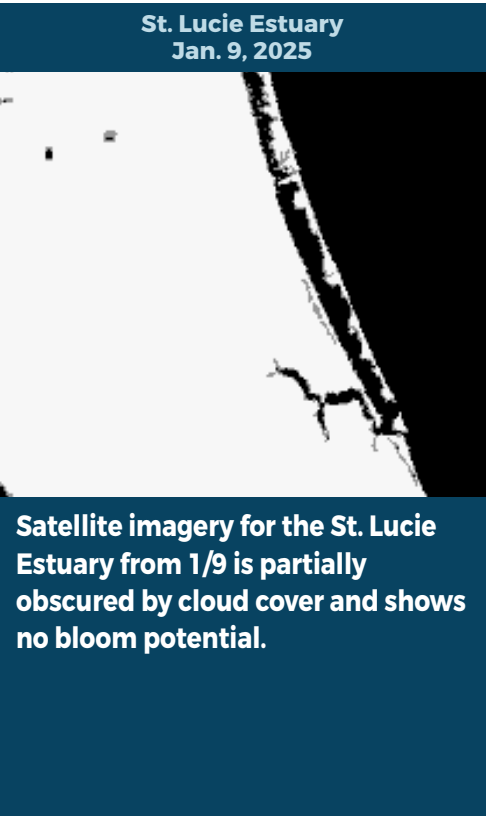
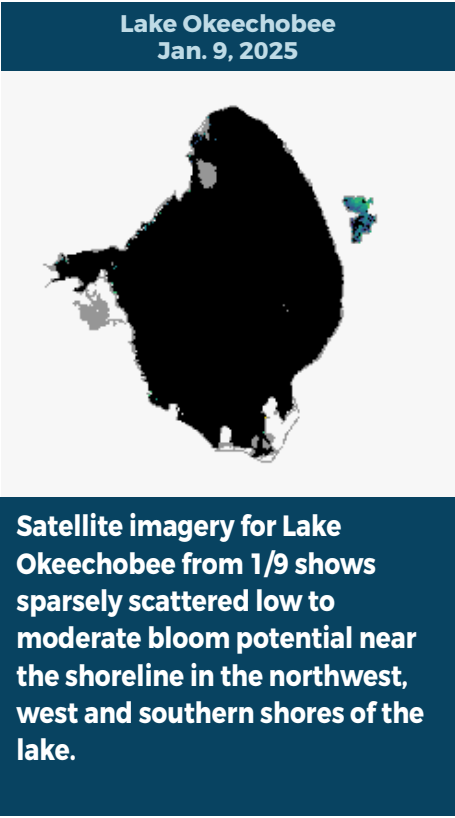
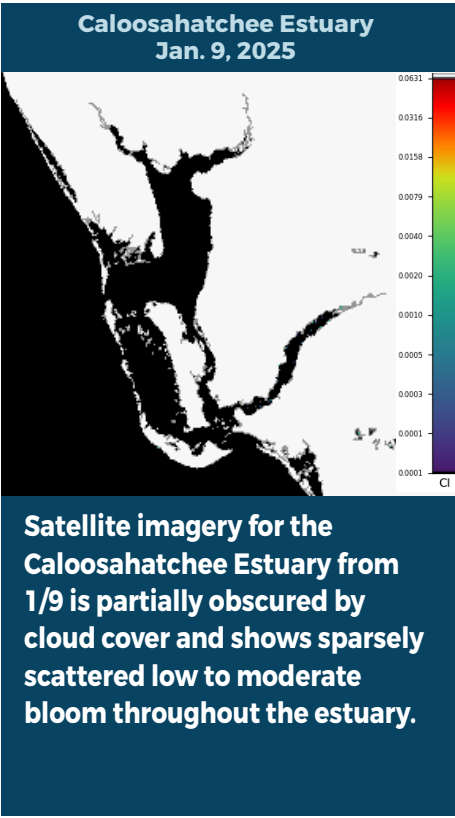




# BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

## REPORTING DEC. 20, 2024-JAN. 9, 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).



### SUMMARY

There were 28 reported site visits in the past 21 days with 28 samples collected. Algal bloom conditions were observed by samplers at 12 of the sites.

On 12/26-1/9, Florida Department of Environmental Protection (DEP) staff collected Harmful Algal Bloom (HAB) response samples from 15 locations. Dominant algal taxa and cyanotoxin results follow each waterbody name.

**Lake Umatilla – Lakeview Street Boat Ramp:** *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; trace level [0.22 parts per billion (ppb)] of microcystins detected.

**Lake Apopka – Newton Park Dock:** *Microcystis aeruginosa* and *Planktolyngbya microspira*; no cyanotoxins detected.

**Lake Highland – Northwest Shore:** *Microcystis aeruginosa* and *Woronichinia naegeliana*; no cyanotoxins detected.

**Lake Rowena – West Shore:** *Microcystis aeruginosa*; trace level (0.22 ppb) of microcystins detected.

**Lake Howell – Northwest Shore:** *Microcystis aeruginosa* and *Raphidiopsis raciborskii*; trace level (0.11 ppb) of cylindrospermopsin detected.

**Lake Arnold – North Shore:** *Microcystis aeruginosa*; trace level (0.19 ppb) of microcystins detected.

**Lorraine Lake – West Shore:** *Microcystis aeruginosa*; no cyanotoxins detected.

**Lake Ola – Northeast Dock:** *Microcystis* sp. and *Botryococcus braunii* co-dominant; trace level (0.11 ppb) of microcystins detected.

**St. Lucie Estuary – Manatee Pocket South:** *Microcystis aeruginosa* and *Aphanizomenon flos-aquae* co-dominant; no cyanotoxins detected.

**Blanton Lake – South Lobe:** *Microcystis aeruginosa*; trace level (0.56 ppb) of microcystins detected.

**Lake Roberts – South Dock:** Results pending.

**Lake Cannon:** Results pending.

**Lake Butler:** Results pending.

**Lake Hancock – John Hancock Drive Boat Ramp:** Results pending.

**Hillsborough River – Eugene Holstinger Bridge:** Results pending.

On 1/6-1/8, South Florida Water Management District staff collected nine routine HAB monitoring samples on **Lake Okeechobee**. Dominant algal taxa and cyanotoxin results follow each station name.

**Lake Okeechobee – S308C (lakeside):** No dominant algal taxon; no cyanotoxins detected.

**KISSR0.0:** No dominant algal taxon; no cyanotoxins detected.

**LZ2:** No dominant algal taxon; no cyanotoxins detected.

**L005:** No dominant algal taxon; no cyanotoxins detected.

**POLESOUT:** No dominant algal taxon; no cyanotoxins detected.

**CLV10A:** No dominant algal taxon; no cyanotoxins detected.

**PALMOUT:** No dominant algal taxon; no cyanotoxins detected.

**LZ30:** No dominant algal taxon; no cyanotoxins detected.

**RITTAE2:** No dominant algal taxon; no cyanotoxins detected.

On 12/26-1/7, St. Johns River Water Management District (SJRWMD) staff collected three routine HAB monitoring samples and two HAB response samples.

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

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

**Harris Bayou – Center:** *Microcystis aeruginosa*; no cyanotoxins detected.

**Lake Eustis – Northeast:** *Microcystis* sp. and *Botryococcus braunii* co-dominant; no cyanotoxins detected.

### Previous Pending Results

On 12/19, DEP staff collected a HAB response sample from **Lake Waunatta – West Shore**. The sample was co-dominated by *Microcystis aeruginosa* and *Botryococcus braunii* and had no cyanotoxins detected.

On 12/18, SJRWMD staff collected two routine HAB monitoring samples from **Lake Jesup** and **Lake Monroe**. The **Lake Jesup** sample was dominated by *Raphidiopsis raciborskii* and no cyanotoxins were detected. The **Lake Monroe** sample had no dominant algal taxon and no cyanotoxins detected.

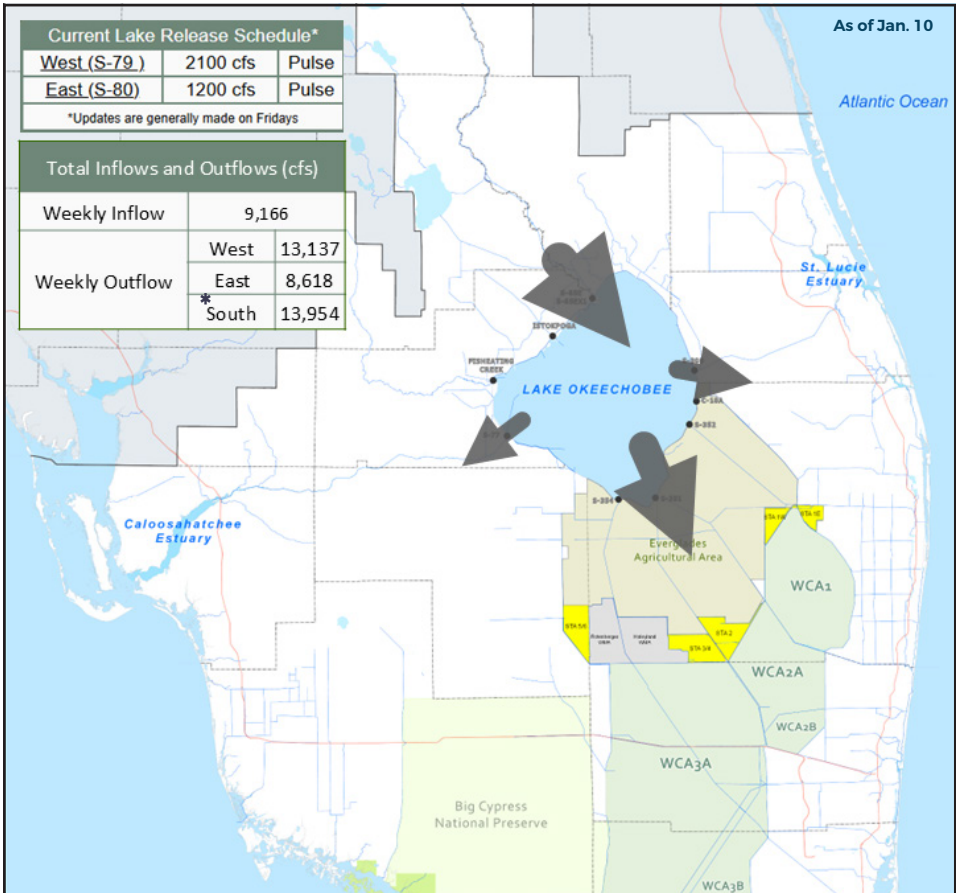
On 12/19, Highlands County staff collected two HAB response samples from **Lake Apthorpe** and **Lake Glenada**. Both lake samples were co-dominated by *Microcystis aeruginosa* and *Microcystis wesenbergii* and had 0.94 ppb and an estimated 1.9 ppb of microcystins detected, respectively.

On 12/19, Orange County staff collected one HAB response sample from **Lake Mabel – Center**. The sample was dominated by *Oscillatoria* sp. and had no cyanotoxins detected.

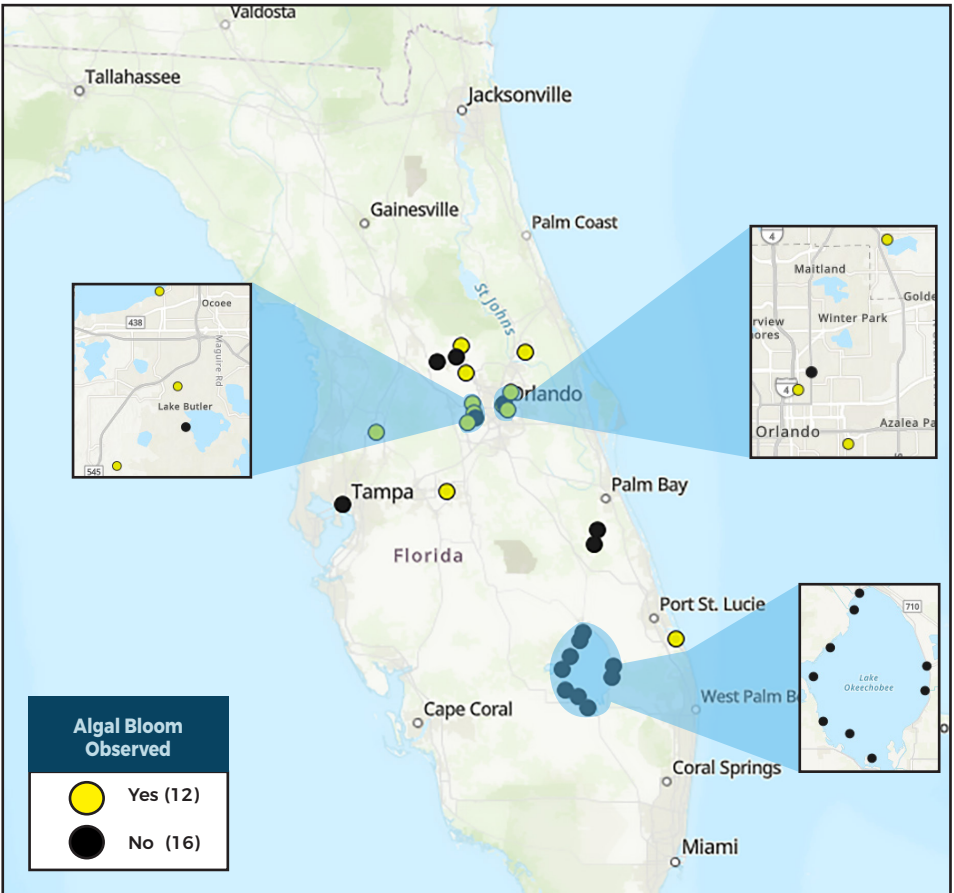
Results for completed analyses are available at [FloridaDEP.gov/AlgalBloom](https://FloridaDEP.gov/AlgalBloom).

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

CONTACT FWC  
800-636-0511 (fish kills)  
888-404-3922 (wildlife Alert)  
MyFWC.com/RedTide

### REPORT ALGAL BLOOMS

SALTWATER BLOOM

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