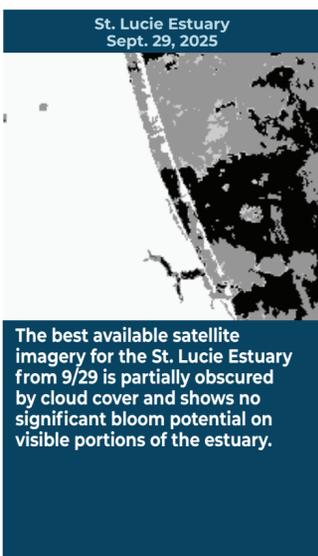
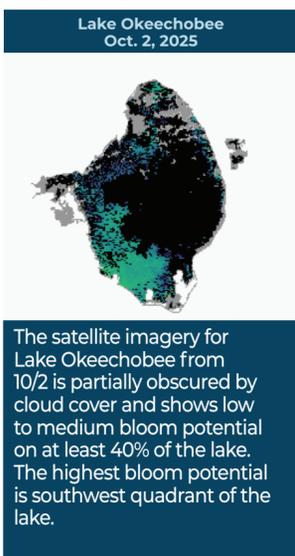
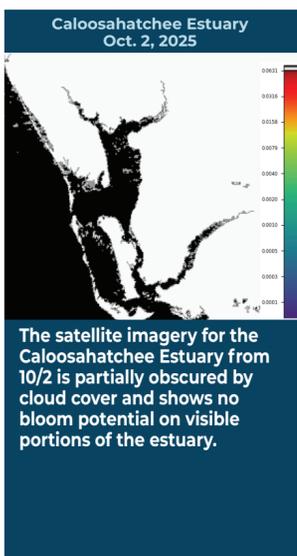




BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

SEPT. 26-OCT. 2, 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 47 reported site visits in the past seven days with 47 samples collected. Algal bloom conditions were observed by samplers at seven of the sites.

On 9/30-10/2, 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.

- Doctors Lake – Pace Island dock:** No dominant algal taxon; no cyanotoxins detected.
- St. Johns River – Cummer Museum of Art:** No dominant algal taxon; no cyanotoxins detected.
- St. Johns River – Arlington Marina:** No dominant algal taxon; no cyanotoxins detected.
- Veterans Memorial Park Pond:** *Planktolyngbya limnetica* and *Planktolyngbya contorta* co-dominant; 1.8 parts per billion (ppb) of microcystins detected.
- Kell-Aire Lake:** *Microcystis aeruginosa* and *Planktolyngbya limnetica* co-dominant; 2.5 ppb of microcystins detected.
- Spring Lake – North end:** *Scytonema arcangelii*; no cyanotoxins detected.
- Harbor Lake – off Norwegian Dr:** Results pending.
- St. Johns River – Buzzard Island:** Results pending.

On 9/29-10/2, South Florida Water Management District staff collected 32 routine HAB monitoring samples on the **C43 Canal, C44 Canal, Lake Okeechobee** and four HAB response samples at **Lake Okeechobee S352 (lakeside), L10 Canal – S352, Lake Okeechobee – Pahokee Marina** and **Lake Okeechobee – S354**: Dominant algal taxa and cyanotoxin results follow each waterbody name.

- Lake Okeechobee – S308C (lakeside):** No dominant algal taxon; trace level (0.10 ppb) of cylindrospermopsin detected.
- C44 canal – S308C:** No dominant algal taxon; no cyanotoxins detected.
- C43 canal – S77 (upstream):** No dominant algal taxon; no cyanotoxins detected.
- L8 Canal – CULV10A:** No dominant algal taxon; no cyanotoxins detected.
- Lake Okeechobee S352 (lakeside):** *Microcystis aeruginosa*; an estimated 1.0 ppb of microcystins detected.
- L10 Canal – S352:** *Microcystis panniformis*; no cyanotoxins detected.
- Lake Okeechobee – Pahokee Marina:** *Microcystis aeruginosa*; 1.4 ppb of microcystins and a trace level (0.12 ppb) of cylindrospermopsin detected.
- Lake Okeechobee – S354 (Lakeside):** *Microcystis aeruginosa* and *Planktolyngbya limnetica* co-dominant; trace levels (0.8 ppb and 0.11 ppb) of microcystins and cylindrospermopsin detected, respectively.
- KISSR0.0:** No dominant algal taxon; no cyanotoxins detected.
- LZ2: *Raphidiopsis raciborskii*:** trace level (0.19 ppb) of cylindrospermopsin detected.
- NES191: *Raphidiopsis raciborskii*:** trace level (0.26 ppb) of cylindrospermopsin detected.
- L001: *Planktolyngbya contorta*:** no cyanotoxins detected.
- NES135: *Raphidiopsis raciborskii* and *Planktolyngbya contorta*** co-dominant; 0.27 ppb of cylindrospermopsin detected.
- NCENTER: *Planktolyngbya contorta*:** no cyanotoxins detected.
- EASTSHORE: *Raphidiopsis raciborskii* and *Planktolyngbya limnetica*** co-dominant; trace level (0.23 ppb) of cylindrospermopsin detected.
- L004:** No dominant algal taxon; no cyanotoxins detected.
- L008: *Planktolyngbya limnetica*** no cyanotoxins detected.
- L005: *Planktolyngbya limnetica* and *Planktolyngbya contorta*** co-dominant; no cyanotoxins detected.
- POLESOUT3: *Planktolyngbya limnetica*** no cyanotoxins detected.
- POLESOUT2: *Microcystis aeruginosa* and *Planktolyngbya limnetica*** co-dominant; trace level (0.12 ppb) of cylindrospermopsin detected.
- POLESOUT1: *Microcystis aeruginosa* and *Planktolyngbya limnetica*** co-dominant; trace level (0.12 ppb) of microcystins detected.
- POLESOUT: *Microcystis aeruginosa* and *Planktolyngbya limnetica*** co-dominant; no cyanotoxins detected.
- KBARSE: *Dolichospermum circinale* and *Planktolyngbya limnetica*** co-dominant; no cyanotoxins detected.
- CLV10A:** Results pending.
- LZ40:** Results pending.
- L006:** Results pending.
- PALMOUT3:** Results pending.
- PALMOUT2:** Results pending.
- PALMOUT1:** Results pending.
- PALMOUT:** Results pending.
- LZ30:** Results pending.
- POLE3S:** Results pending.
- RITTAE2:** Results pending.
- LZ25A:** Results pending.
- L007:** Results pending.
- PELBAY3:** Results pending.

On 10/1, St. Johns River Water Management District (SJRWMD) staff collected one routine HAB monitoring sample at **Lake Washington – Center**. There was no dominant algal taxon and no cyanotoxins detected.

Last week

On 9/25, DEP staff collected five HAB response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- Lake Thonotosassa – Center:** *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; trace level (0.59 ppb) of microcystins detected.
- Dead Lake - South Cove:** No dominant algal taxon; no cyanotoxins detected.
- Dead Lake – Bull Creek Boat Ramp:** No dominant algal taxon; no cyanotoxins detected.
- Lake Powell – Boat ramp:** *Stigeoclonium subsecundum*; no cyanotoxins detected.
- St. Johns River – Buzzard Island:** *Raphidiopsis raciborskii*; trace level (0.20 ppb) of cylindrospermopsin detected.

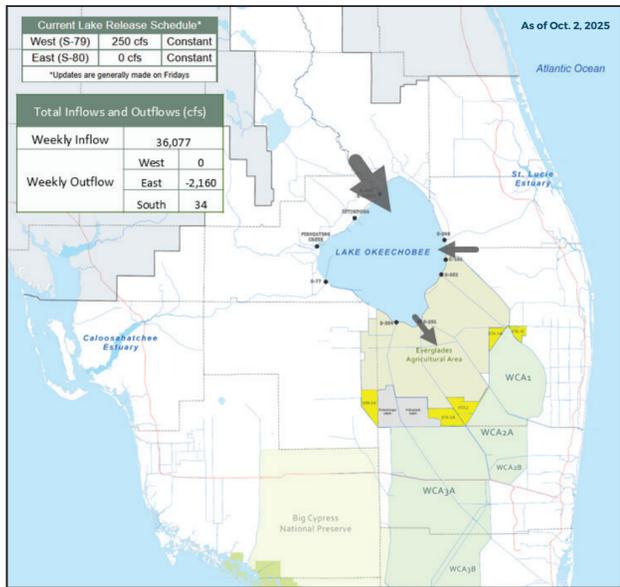
On 9/25, SJRWMD staff collected seven routine HAB monitoring samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- Georges Lake – Center:** *Microcystis panniformis* and *Planktolyngbya limnetica* co-dominant; no cyanotoxins detected.
- Georges Lake – North:** *Planktolyngbya limnetica*; no cyanotoxins detected.
- Georges Lake – Canal off Santa Rosa St:** No dominant algal taxon; no cyanotoxins detected.
- Georges Lake – West:** *Raphidiopsis raciborskii* and *Planktolyngbya limnetica* co-dominant; no cyanotoxins detected.
- Georges Lake – South:** *Microcystis aeruginosa* and *Planktolyngbya limnetica* co-dominant; no cyanotoxins detected.
- Georges Lake – East:** *Microcystis panniformis* and *Planktolyngbya limnetica* co-dominant; no cyanotoxins detected.
- Crescent Lake – mouth of Dunns Creek:** *Microcystis aeruginosa* and *Raphidiopsis raciborskii* co-dominant; trace level (0.11 ppb) of cylindrospermopsin detected.

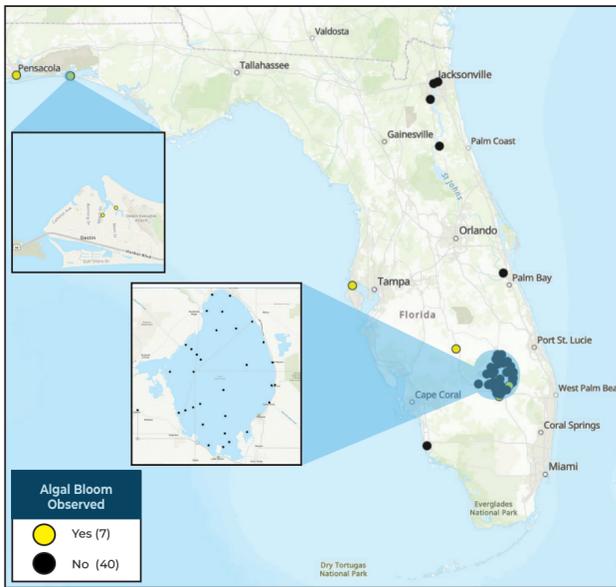
Results for completed analyses are available at FloridaDEP.gov/AlgalBloom.

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 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 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