

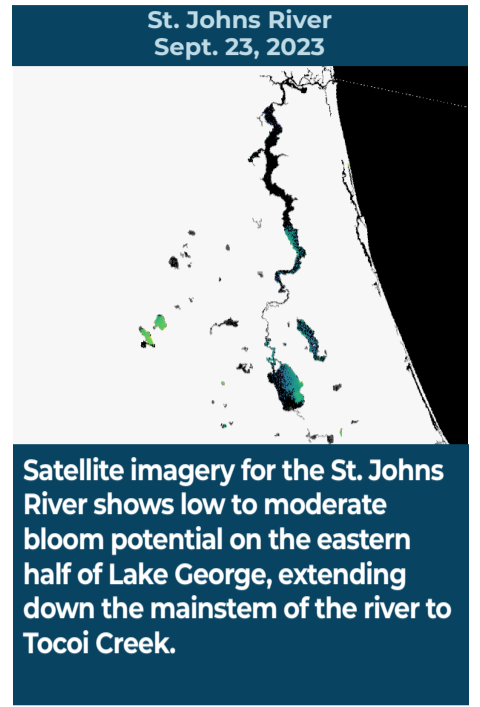
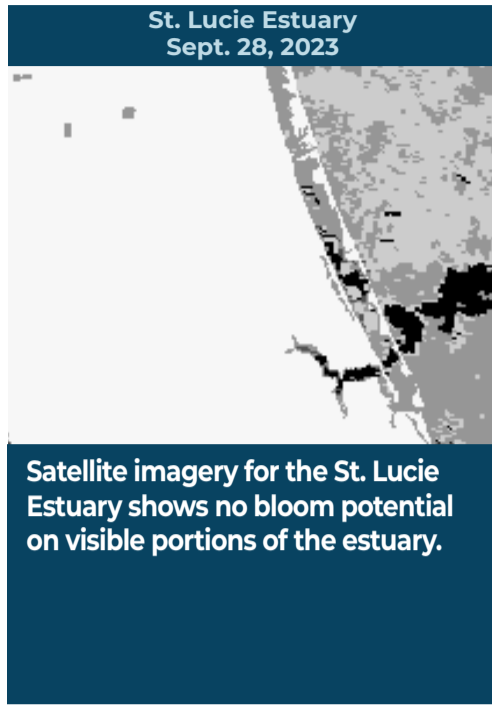
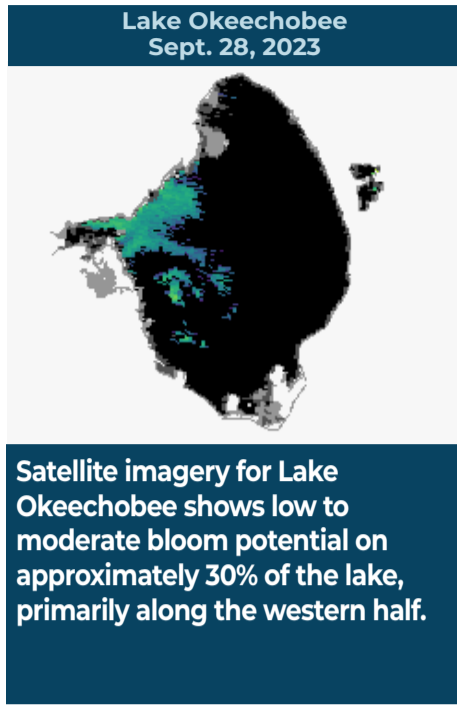
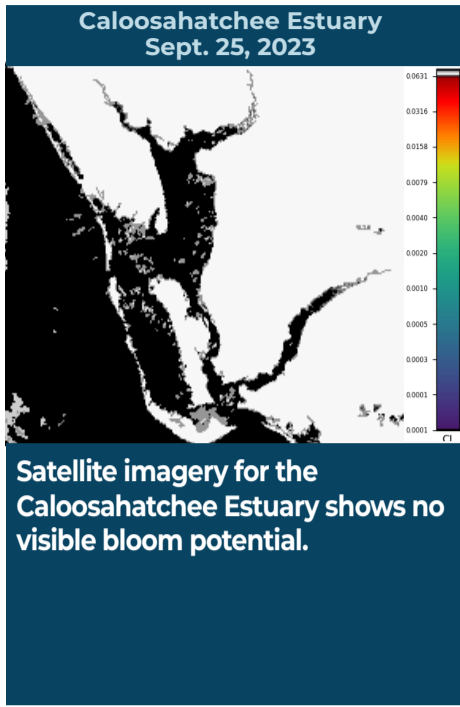


BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING SEPT. 22 - SEPT. 28, 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).



SUMMARY

There were 23 reported site visits in the past seven days with 23 samples collected. Algal bloom conditions were observed by samplers at six of the sites.

On 9/25-9/28, 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.

- **Blanton Lake - South Lobe:** *Microcystis aeruginosa*; 2.7 parts per billion (ppb) microcystins detected.
- **Lake Okeechobee - S308C (lakeside):** No dominant algal taxon; no cyanotoxins detected.
- **C44 Canal - S308C (canal side):** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Lake Howell - Center:** *Microcystis aeruginosa*; trace level (0.17 ppb) cylindrospermopsin detected.
- **Lake Minnehaha - E Dock:** *Microcystis aeruginosa*; trace level (0.14 ppb) cylindrospermopsin detected.
- **South Fork New River - Rio Nuevo A Condo:** *Microcystis wesenbergii* and *Chlamydomonas* sp.; trace level (0.10 ppb) microcystins detected.
- **Palatka River - At marina:** No dominant algal taxon; no cyanotoxins detected.

Results are pending for **South Fork New River - Residential Canal W of I-95**.

On 9/27-9/28, South Florida Water Management District staff collected three HAB response samples. No dominant algal taxon and no cyanotoxins were detected at **Lake Okeechobee - S271** and **Lake Okeechobee - S352**. Results are pending for **C44 Canal - Timer Powers Park**.

On 9/25-9/27, St. Johns River Water Management District staff collected two HAB response and 10 HAB routine samples.

- **Doctors Lake - Pace Island Dock:** No dominant algal taxon; no cyanotoxins detected.
- **Lake Yale - South of center:** *Microcystis aeruginosa*; trace level (0.32 ppb) cylindrospermopsin detected.
- **Stick Marsh - North:** No dominant algal taxon; trace level (0.31 ppb) cylindrospermopsin detected.
- **St. Johns River - Mandarin Point:** No dominant algal taxon; no cyanotoxins detected.
- **Doctors Lake - Center:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Blue Cypress Lake - Center:** No dominant algal taxon; no cyanotoxins detected.
- **St. Johns River - Shands Bridge:** No dominant algal taxon; no cyanotoxins detected.
- **Lake George - Center:** *Planktolyngbya limnetica*; trace level (0.19 ppb) cylindrospermopsin detected.
- **Lake Monroe - Center:** No dominant algal taxon; no cyanotoxins detected.
- **Lake Washington - Center:** No dominant algal taxon; no cyanotoxins detected.
- **Crescent Lake - Mouth of Dunns Creek:** *Microcystis aeruginosa*; no cyanotoxins detected.
- **Lake Jesup - Center:** *Microcystis aeruginosa* and *Cylindrospermopsis raciborskii*; 2.0 ppb cylindrospermopsin detected.

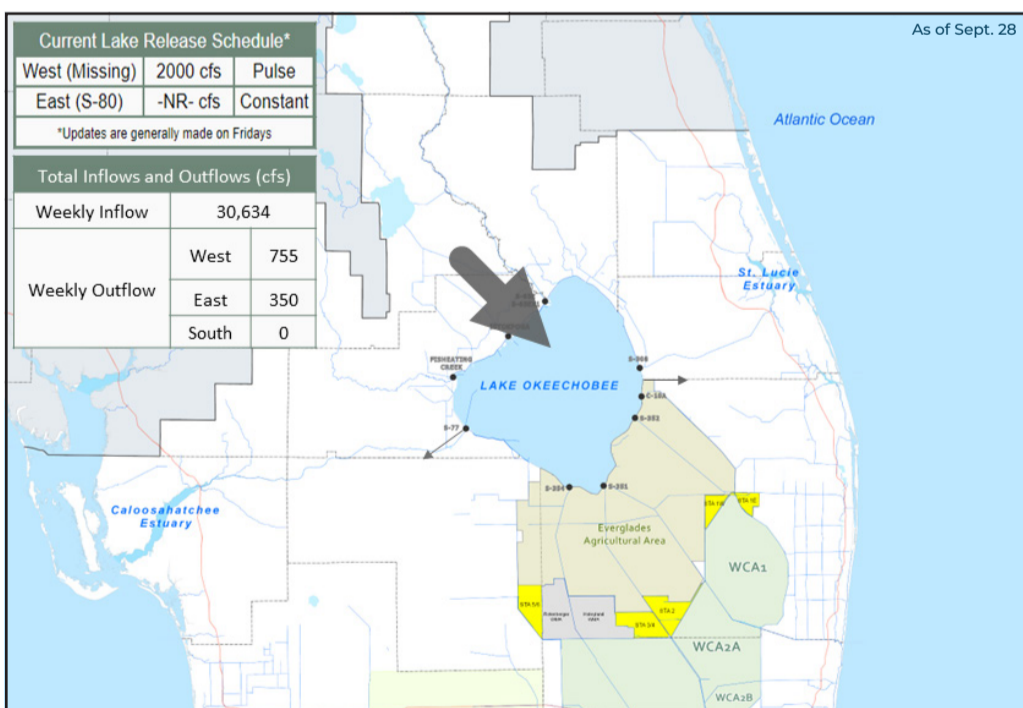
Pending Results from Last Week

On 9/21, DEP staff collected a HAB response sample from **Lake Leon-N side**. The sample was dominated by *Euglena* sp. and no cyanotoxins were detected.

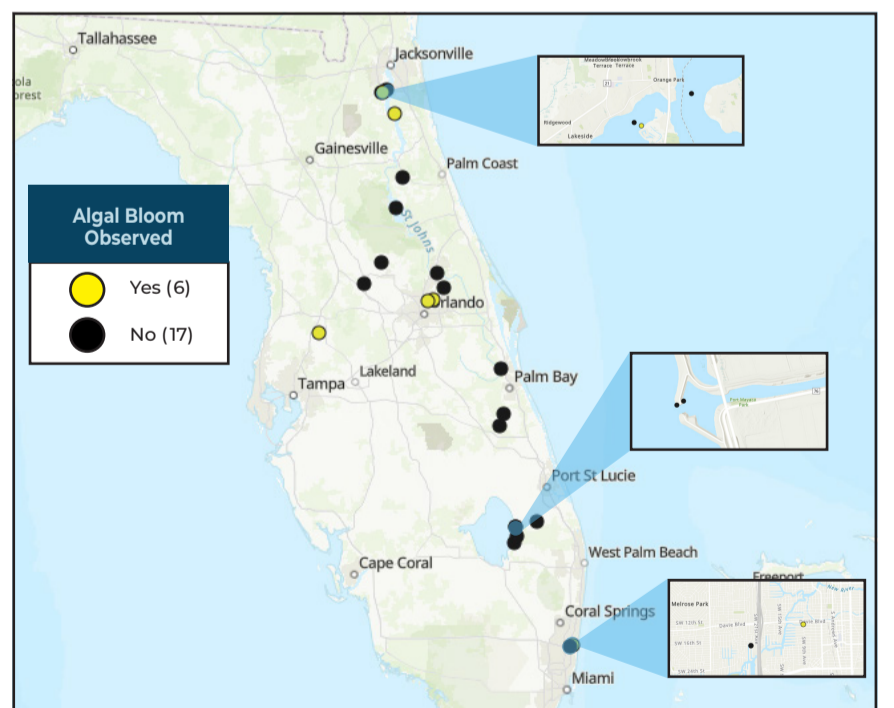
Results for completed analyses are available at FloridaDEP.gov/AlgalBloom.

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

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

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