



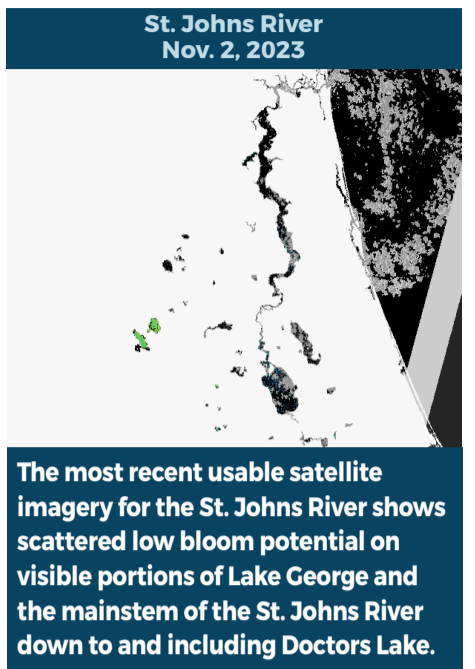
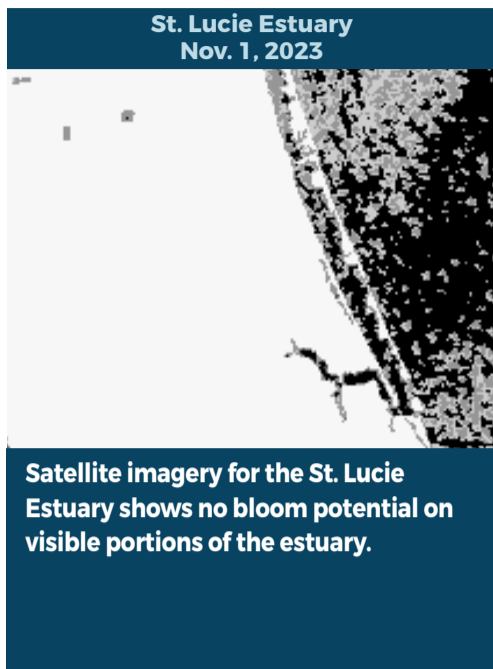
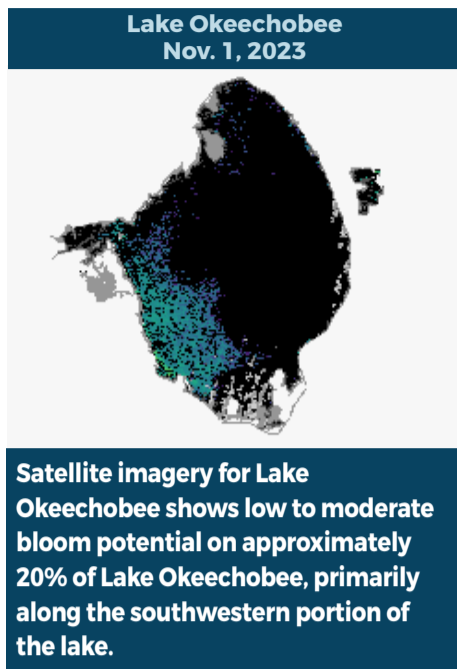
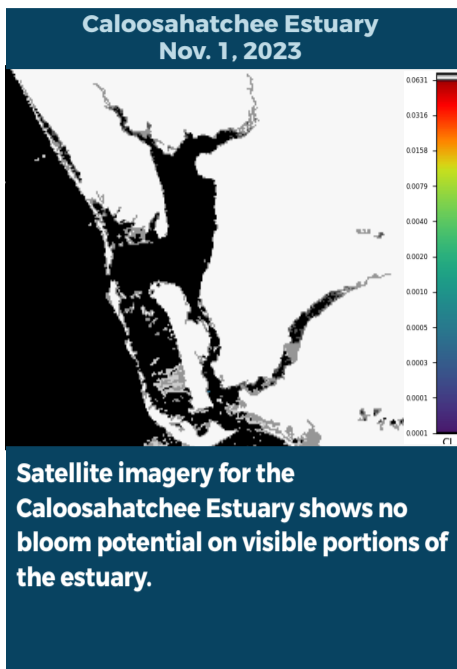
BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING OCT. 27 - NOV. 2, 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 seven reported site visits in the past seven days with seven samples collected. Algal bloom conditions were observed by samplers at four of the sites.

On 10/30 - 11/1, 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.

Lake Drawdy - S Shore: *Microcystis aeruginosa*; microcystins estimated to be 1.7 parts per billion (ppb).

Clayton Park: no dominant algal taxon; no cyanotoxins detected.

Lake Leon - N side: *Oscillatoria* sp.; no cyanotoxins detected.

Tiger Lake - Center: *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; trace level (0.10 ppb) microcystins detected.

On 10/30, South Florida Water Management District staff collected one HAB response sample at **C43 Canal - S77 (upstream)**. The dominant algal taxon was *Microcystis aeruginosa* and no cyanotoxins were detected.

On 10/30 - 11/1, St. Johns River Water Management District (SJRWMD) collected one HAB response and one HAB routine sample. **Lake Yale - Center** had no dominant taxon and a trace level (0.34 ppb) of cylindrospermopsin detected. **Lake Washington - Center** had no dominant taxon and no cyanotoxins detected.

Pending Results from Last Week

On 6/1, DEP staff collected one HAB response sample from **Peace River - Veterans Park Ramp**. There was no dominant algal taxon and no cyanotoxins detected.

On 8/3, SJRWMD staff collected three HAB routine samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

Crescent Lake - mouth of Dunns Creek: *Microcystis aeruginosa*; no cyanotoxins detected.

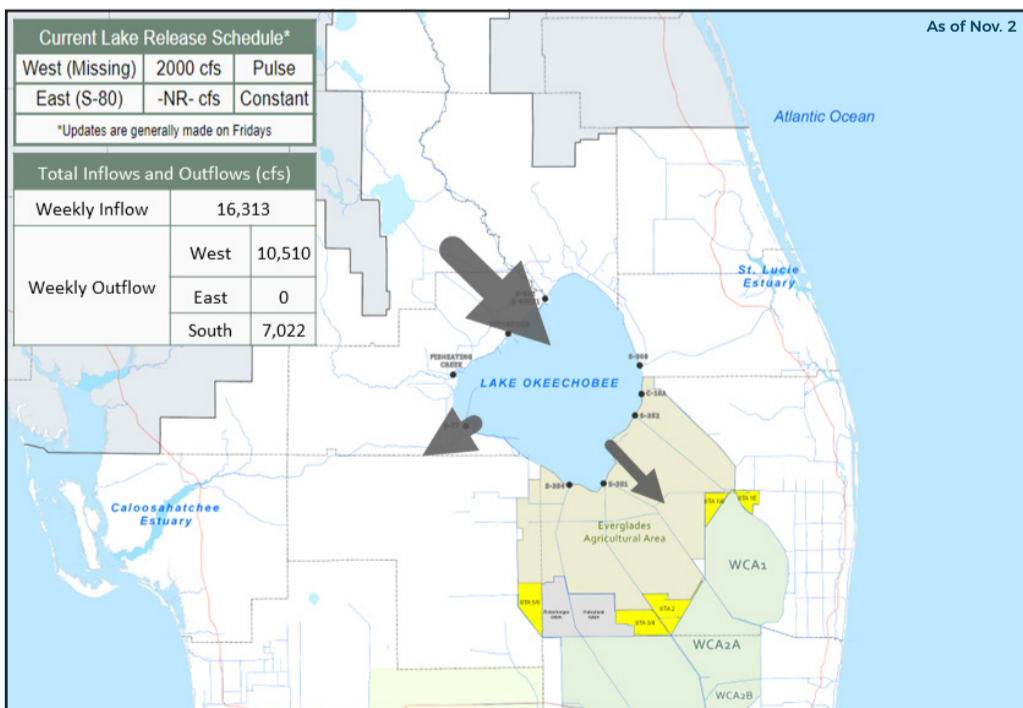
Lake George - Center: *Microcystis aeruginosa*; trace level (0.12 ppb) cylindrospermopsin detected.

Lake Monroe - Center: no dominant algal taxon; no cyanotoxins detected.

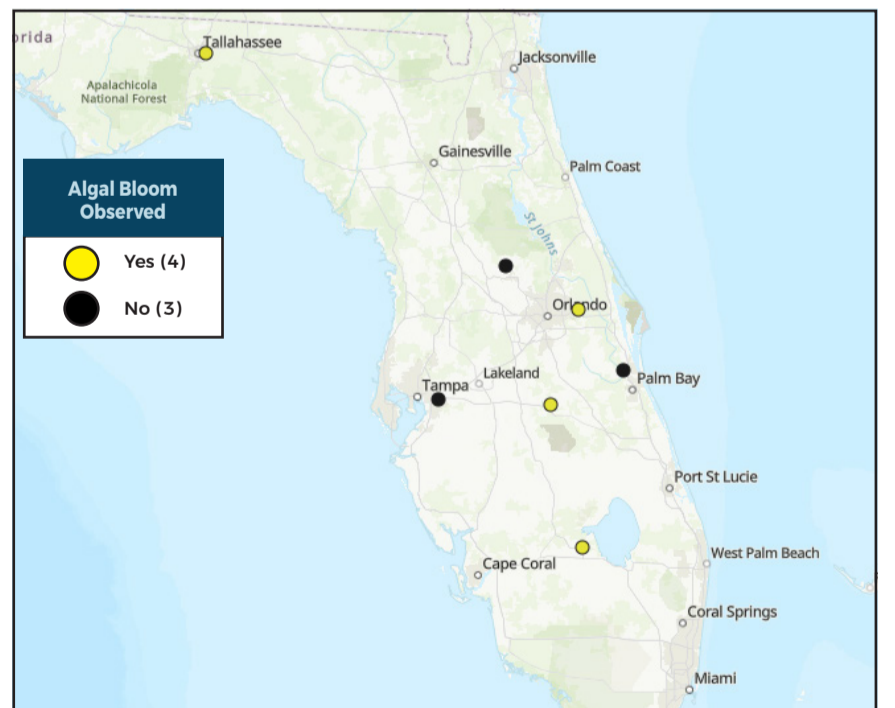
Results for completed analyses are available at FloridaDEP.gov/AlgalBloom.

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