

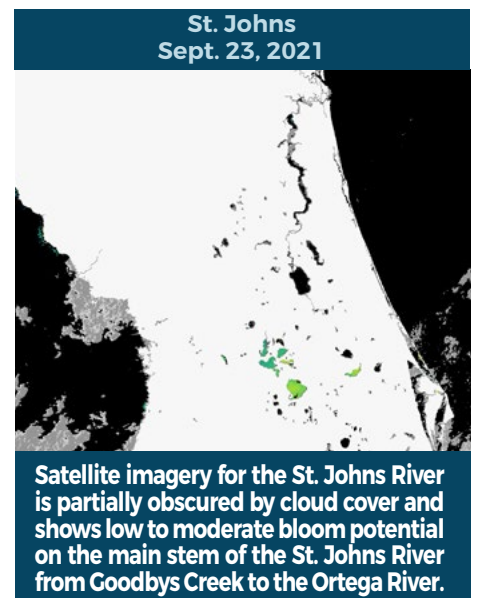
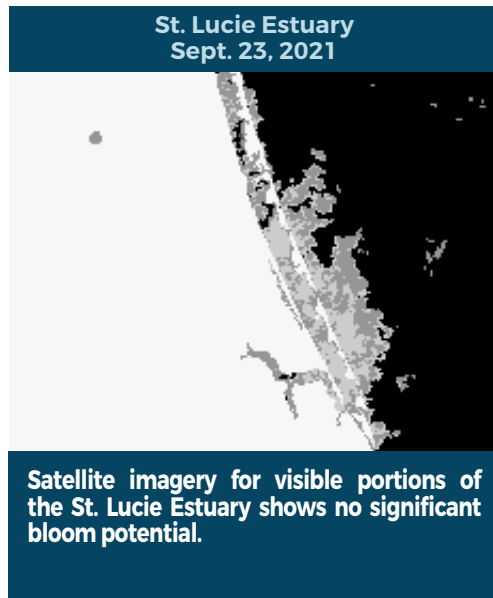
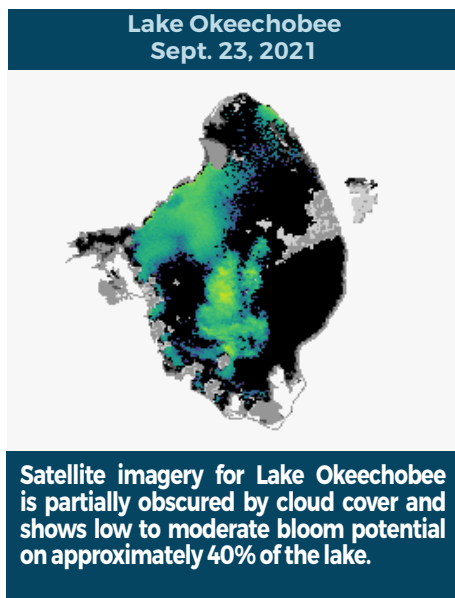
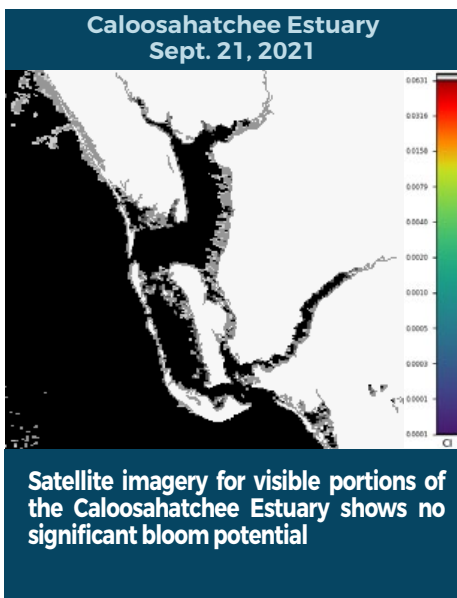


BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING SEPT. 17 - 23, 2021

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 53 reported site visits in the past seven days, with 50 samples collected. Algal bloom conditions were observed by samplers at 24 of the sites.

On 9/20-22, South Florida Water Management District staff collected routine samples from the **S77** structure on the **C43 Canal**, the **S308C** and **S80** structures on the **C44 Canal** and on **Lake Okeechobee**. No cyanotoxins were detected at the **S77** or **S308C** structures and a trace level [0.44 parts per billion (ppb)] of microcystins was detected at the **S80** structure. Approximately 60% of the 28 routine monitoring samples from **Lake Okeechobee** were dominated by *Microcystis aeruginosa*, with the balance being dominated or co-dominated by *Cylindrospermopsis raciborskii* and *Planktolyngbya limnetica* or having no dominant algal taxon. Only six sites; **L004** (1.4 ppb), **L006** (21 ppb), **LZ30** (3.4 ppb), **PALMOUT2** (2.9 ppb), **PALMOUT3** (2.2 ppb) and **LZ40** (13 ppb) had quantifiable levels of cyanotoxins, with all other sites having non-detect to trace levels (less than 1 ppb) of microcystins detected.

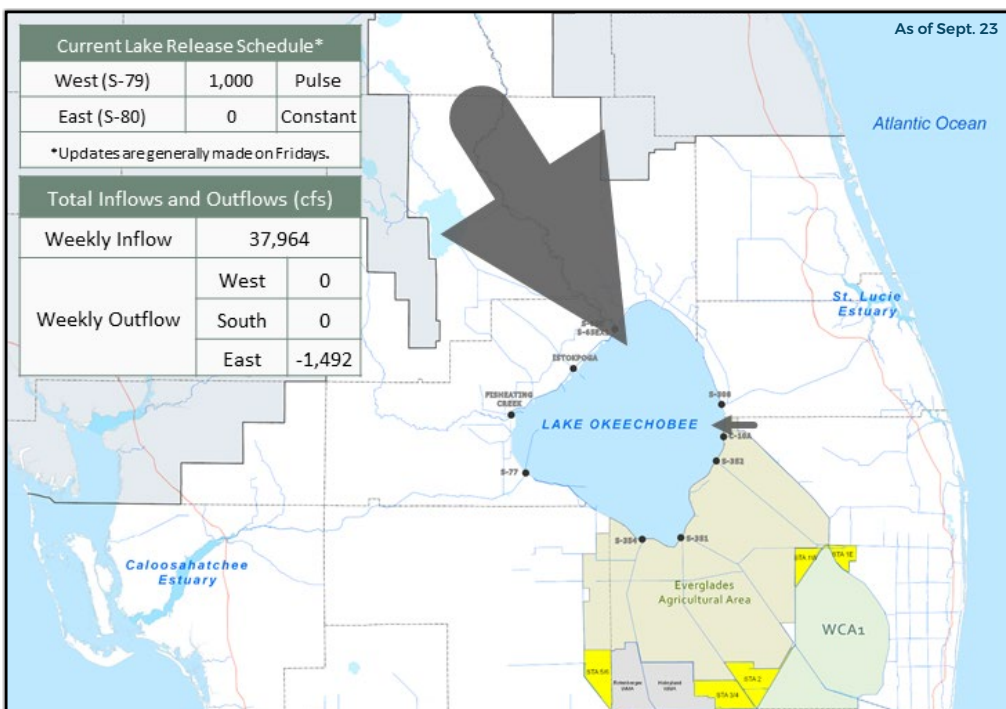
On 9/20-23, DEP staff collected samples from 14 locations. The majority of those samples were from the St. Johns River and tributaries several miles upstream of downtown Jacksonville area. Some sample results are still pending, but for those that are available, microcystin concentrations ranged from trace level to 20 ppb.

On 9/23, St. Johns River Water Management District collected a sample from **Lake Washington**, **St. Johns River near San Mateo** and **Crescent Lake**. Sample results are still pending.

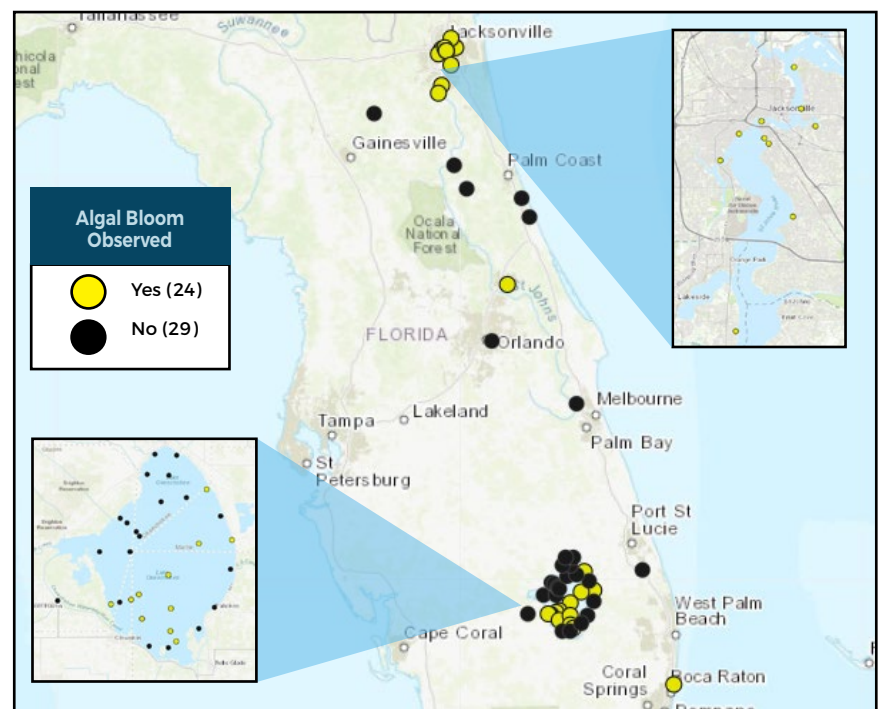
Results for completed analyses are available at FloridaDEP.gov/AlgalBloom.

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.

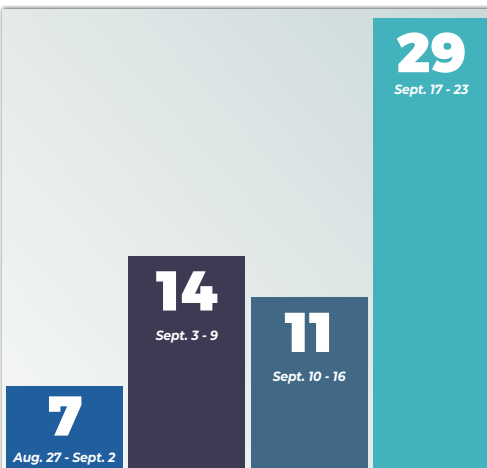
LAKE OKEECHOBEE OUTFLOWS



SITE VISITS FOR BLUE-GREEN ALGAE



REPORTS FROM HOTLINE



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

Learn more about Florida's Algal Bloom Monitoring and Response visit our [Water Quality](http://WaterQuality) website to check the current status and to receive updates.

PROTECTING TOGETHER
ProtectingFloridaTogether.gov