

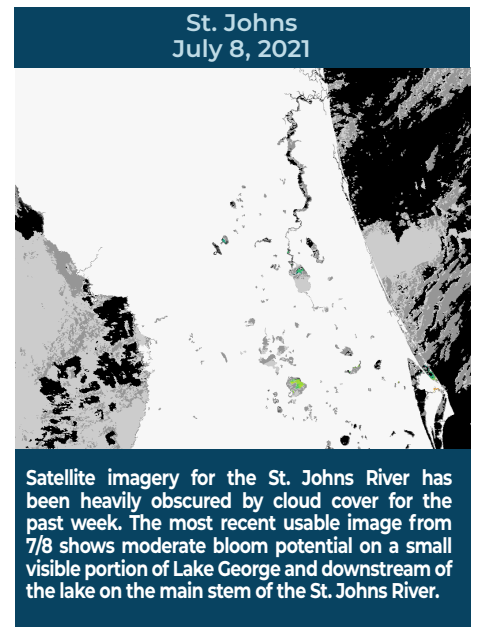
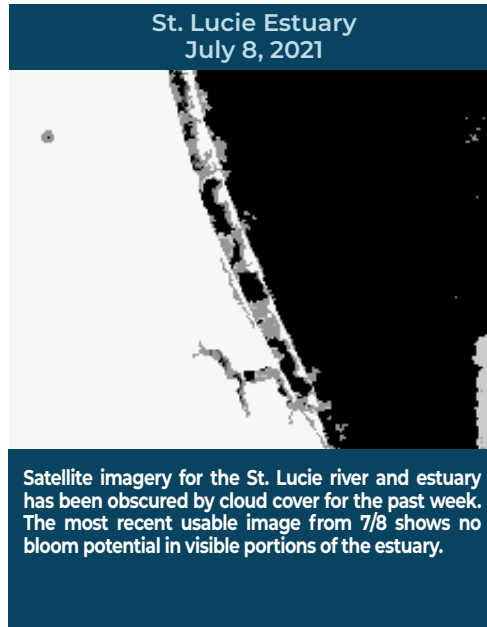
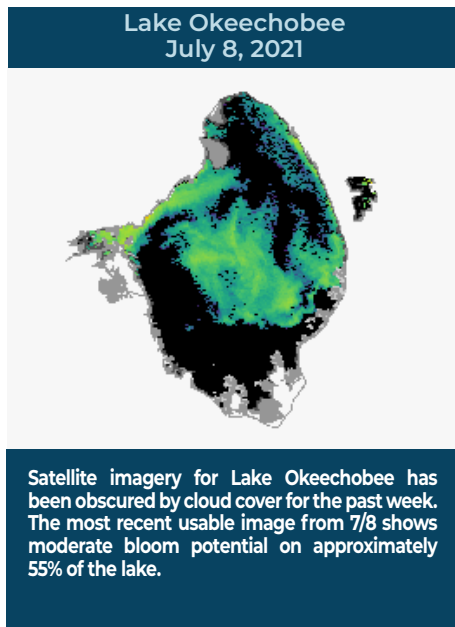
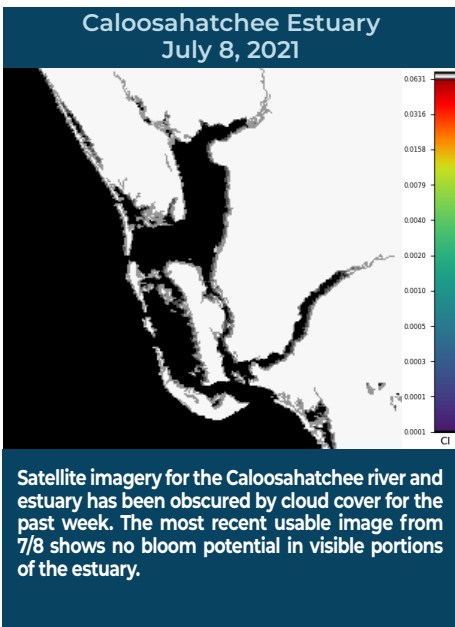


BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING JULY 2 - JULY 8, 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 40 reported site visits in the past seven days (7/2 - 7/8), with 40 samples collected. Algal bloom conditions were observed by the samplers at 16 of the sites.

On 7/8, Florida Department of Environmental Protection (DEP) staff collected water samples at **nine locations in the area near Port Manatee in Tampa Bay** in response to the Piney Point emergency release. Results for the 7/8 samples are still pending. For daily updates and sampling data results, please visit ProtectingFloridaTogether.org/PineyPointUpdate.

On 7/7 and 7/8, South Florida Water Management District (SFWMD) staff collected samples at Lake Okeechobee at the following stations. Cyanotoxin results are included in parentheses following each station name: **KISSRO.0** (pending); **LZ2** (pending); **NES191** (pending); **L001** (pending); **NES135** (pending); **NCENTER** (pending); **EASTSHORE** (pending); **L004** (pending); **L008** (pending); **L005** (pending); **POLESOUT** (pending); **POLESOUT1** (pending); **POLESOUT2** (pending); **POLESOUT3** (pending); **KBARSE** (pending); **CLV10A** 7.3 ppb (parts per billion); **LZ40** (5.3 ppb); **PALMOUT** (non-detect); **PALMOUT1** (2.3 ppb); **PALMOUT2** (trace, 0.48 ppb); **PALMOUT3** (1.8 ppb); **LZ30** (trace, 0.79 ppb); **POLE3S** (non-detect); **RITTAE2** (non-detect); **LZ25A** (trace, 0.25 ppb); **L007** (trace, 0.26 ppb); **L006** (trace, 0.30 ppb); **PELBAY3** (non-detect); and **CULV10A** (pending). *Microcystis aeruginosa* was the dominant taxon in all of the samples with microcystin levels greater than 1 ppb.

On 7/7, SFWMD staff collected samples at **7C43 Canal - S77 Structure (upstream)** and **C-43 Canal - S79 (upstream)**. The **7C43 Canal - S77 Structure (upstream)** was dominated by *Cylindrospermopsis raciborskii* and no cyanotoxins were detected. The **C-43 Canal - S79 (upstream)** sample was dominated by *Microcystis aeruginosa* and had no cyanotoxins detected.

On 7/8, DEP staff collected samples at **Caloosahatchee River - South Olga Drive**; **C51 Canal - Military Trail**; **C51 Canal - Forest Hill Blvd.**; **C51 Canal - S155 (upstream)**; **Lake Okeechobee - S308C (lakeside)**; **C44 Canal - S308C (canalside)**; and **Lake Howell - Southwest Corner**. Results are still pending.

On 7/8, Highlands County staff collected a sample at **Lake Huckleberry - Canal Entrance**. Results are still pending.

On 7/8, St. Johns River Water Management District collected a sample at **Lake Monroe - Center**. Results are still pending.

Last Week

On 7/1, DEP staff collected a sample at **Orange River - Manatee Park (kayak launch)**. There was no dominant algal taxon and no cyanotoxins were detected.

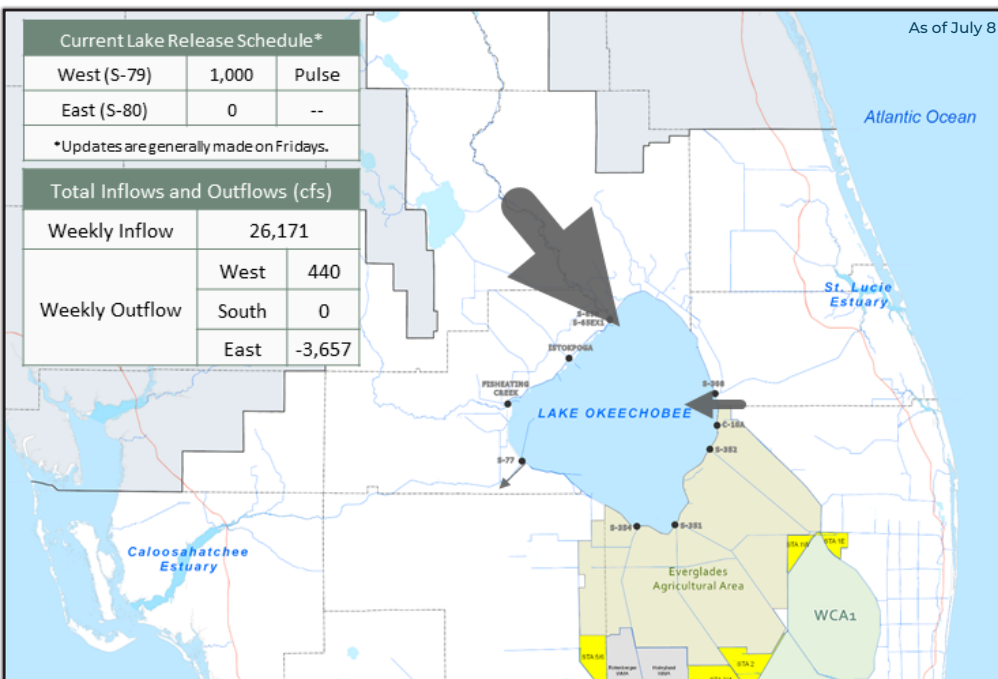
On 7/1, SFWMD staff collected a sample at **C44 Canal - Timer Powers Park**. The sample was dominated by *Microcystis aeruginosa* and had a trace level (0.55 ppb) of microcystins detected.

On 7/6, SFWMD staff collected a sample at **Lake Okeechobee - Pahokee Marina Boat Ramp**. The sample had no dominant algal taxon and a trace level (0.32 ppb) of microcystins was detected.

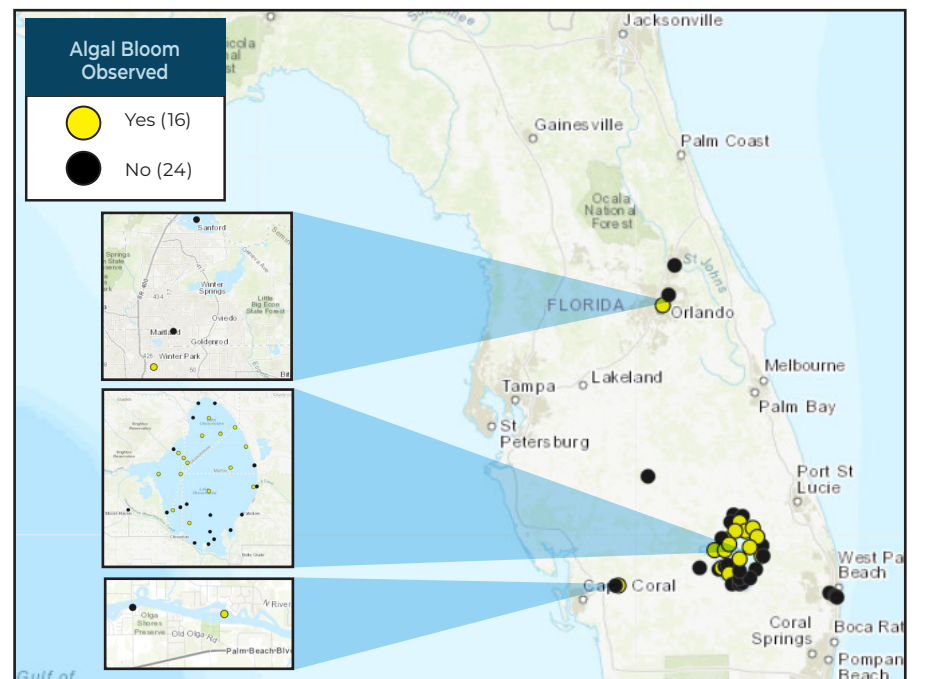
On 7/6 DEP staff collected samples at **Lake Okeechobee - S308C (lakeside)**, **C44 Canal - S308C (canalside)** and **Lake Rowena - Northeast Corner**. The **Lake Okeechobee - S308C (lakeside)** and **C44 Canal - S308C (canalside)** samples had no dominant algal taxon and had trace levels of microcystins detected (0.71 ppb and 0.41 ppb, respectively). The **Lake Rowena - Northeast Corner** sample was dominated by *Microcystis aeruginosa* and a trace level (0.18 ppb) of cylindrospermopsin was detected.

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 the algal bloom-impacted water, or the 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 website](https://WaterQuality.com) to check the current status and to receive updates.

PROTECTING TOGETHER
ProtectingFloridaTogether.gov