

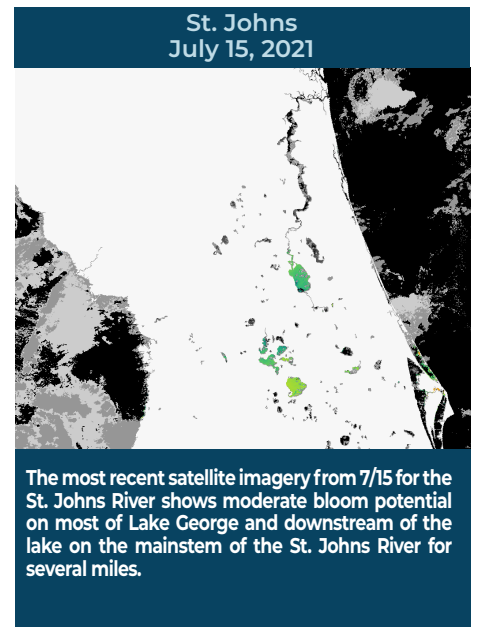
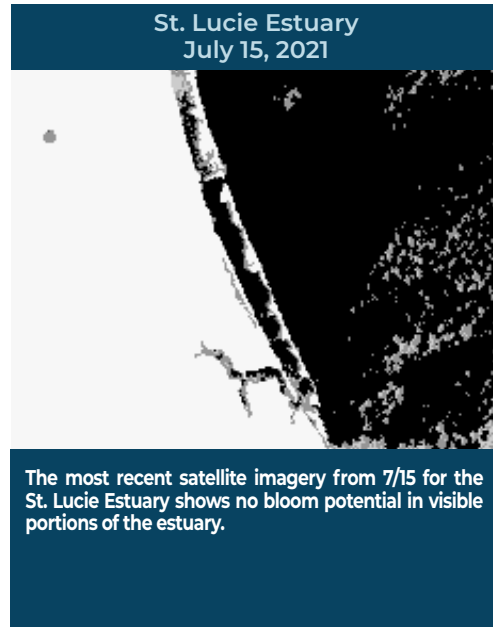
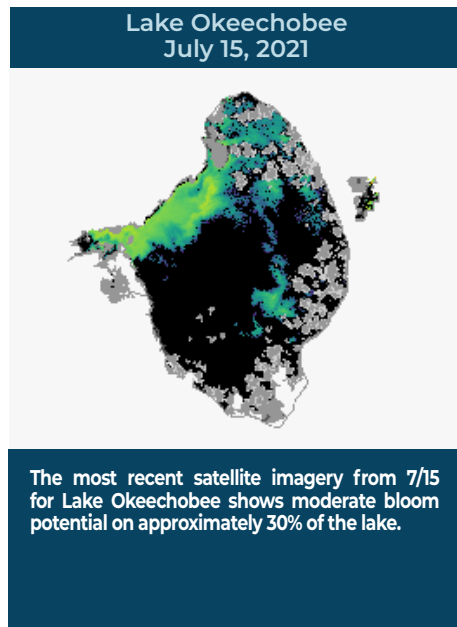
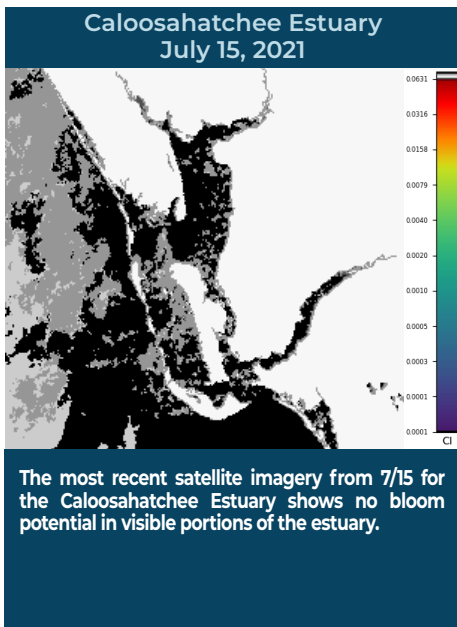


BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING JULY 9 - JULY 15, 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 14 reported site visits in the past seven days (7/9 – 7/15), with 14 samples collected. Algal bloom conditions were observed by the samplers at three of the sites.

On 7/13 and 7/15, Florida Department of Environmental Protection (DEP) staff collected water samples at **13 locations in the area near Port Manatee in Tampa Bay** in response to the Piney Point emergency release. Results for the 7/13 samples were all non-detect for cyanotoxins. Results for the 7/15 samples are still pending. For daily updates and sampling data results, please visit [ProtectingFloridaTogether.org/PineyPointUpdate](https://protectingfloridatogether.org/PineyPointUpdate).

On 7/12, South Florida Water Management District (SFWMD) staff collected samples from **Lake Okeechobee – S308C (lakeside); C44 Canal – S308C (canal side); Lake Okeechobee – Pahokee Marina Boat Ramp; C43 Canal – S77 (upstream of rim canal); and Lake Okeechobee – Hoover Dike Road City Boat Ramp (rim canal)**. Only the **Lake Okeechobee – S308C (lakeside)** sample had a dominant algal taxon (*Microcystis aeruginosa*). The **Lake Okeechobee – S308C (lakeside)** and **Lake Okeechobee – Pahokee Marina Boat Ramp** samples had trace levels [0.44 parts per billion (ppb) and 0.34 ppb, respectively], and the other samples were non-detect for cyanotoxins.

On 7/13 – 7/15, St. Johns River Water Management District (SJRWMD) staff collected samples at **St. Johns River – Mandarin Point; Doctors Lake; Crescent Lake – Mouth of Dunns Creek; Stick Marsh North; Blue Cypress Lake - Center; Lake Jesup - Center; and Lake Monroe – Center**. The **St. Johns River – Mandarin Point** and **Doctors Lake** samples had no dominant algal taxon and no cyanotoxins were detected, with saxitoxin results still pending. The **Crescent Lake – Mouth of Dunns Creek** sample was dominated by *Cylindrospermopsis raciborskii* and no cyanotoxins were detected. Results for **Stick Marsh North, Blue Cypress Lake - Center, Lake Jesup – Center** and **Lake Monroe – Center** are still pending.

On 7/14, SFWMD staff collected a sample from **Lake Okeechobee – CULV10A**. The sample was dominated by *Microcystis aeruginosa* and had 4.4 ppb microcystins detected.

On 7/15, DEP staff collected a sample from **Lake Otis – Boat Ramp**. Sample results are still pending.

Last Week

On 7/7 and 7/8, SFWMD staff collected samples from Lake Okeechobee at the following stations. Cyanotoxin results are included in parentheses following each station name: **KISSRO.0** (trace, 0.37 ppb); **LZ2** (non-detect); **NES191** (trace, 0.35 ppb); **L001** (1.7 ppb); **NES135** (21 ppb); **NCENTER** (trace, 0.84 ppb); **EASTSHORE** (5.2 ppb); **L004** (trace, 0.69 ppb); **L008** (7.5 ppb); **L005** (trace, 0.47 ppb); **POLESOUT** (trace, 0.27 ppb); **POLESOUT1** (2.5 ppb); **POLESOUT2** (12 ppb); **POLESOUT3** (37 ppb); **KBARSE** (trace, 0.74 ppb); **CLV10A** (7.3 ppb); **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 the samples with microcystin levels greater than 1 ppb except for **POLESOUT3**, which was co-dominated by *Microcystis aeruginosa* and *Cylindrospermopsis raciborskii*.

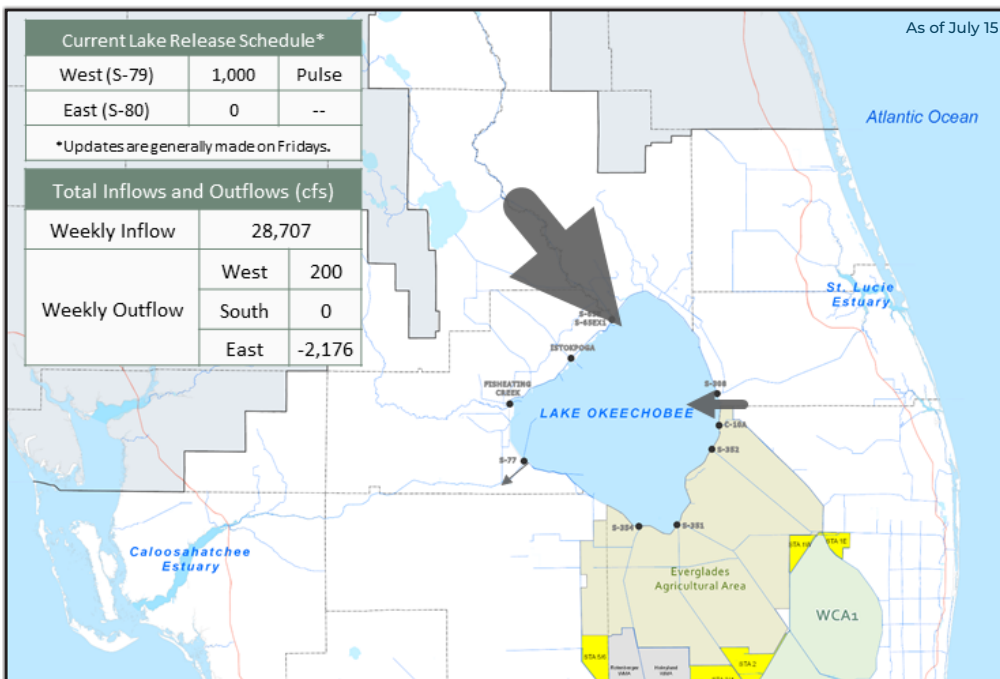
On 7/8, DEP staff collected samples at **Caloosahatchee River – South Olga Drive; C51 Canal – Military Trail; C51 Canal – Forest Hill Blvd.; C51 Canal – S155 (upstream); Lake Okeechobee – S308C (lakeside); C44 Canal – S308C (canalside); and Lake Howell – Southwest Corner**. Only the **Lake Howell – Southwest Corner** sample had a dominant algal taxon (*Microcystis aeruginosa*) or toxins detected, with a trace level (0.26 ppb) of microcystins detected.

On 7/8, Highlands County staff collected a sample from **Lake Huckleberry – Canal Entrance**. The sample had no dominant algal taxon and no cyanotoxins detected.

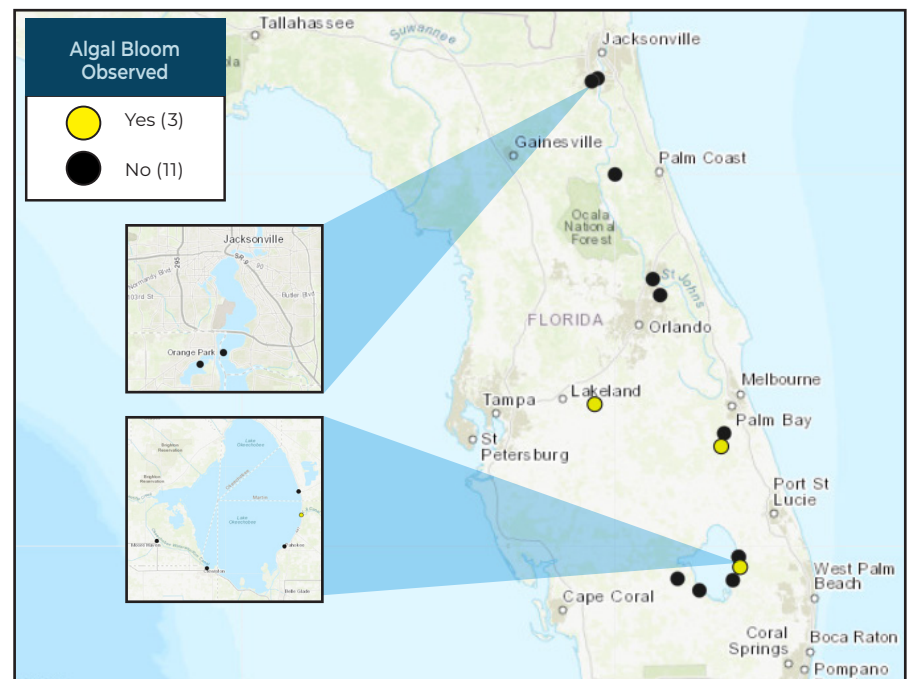
On 7/8, SJRWMD staff collected a sample from **Lake Monroe – Center**. The sample had no dominant algal taxon and no cyanotoxins detected.

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/](https://www.floridahealth.gov/)
[all-county-locations.html](https://www.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](https://www.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](https://www.floridadep.gov/AlgalBloom)

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

PROTECTING TOGETHER
[ProtectingFloridaTogether.gov](https://protectingfloridatogether.gov)