



# BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

## REPORTING JANUARY 8 - JANUARY 14, 2021

### SUMMARY

There were nine reports of visits in the past seven days (1/8 - 1/14), with nine samples collected. Algal bloom conditions were observed by the samplers at three of the sites.

The best available satellite imagery for Lake Okeechobee and the Caloosahatchee and St. Lucie estuaries from 1/11 showed no significant bloom potential on visible portions of these water bodies. Satellite imagery for the St. Johns River from 1/14 showed scattered low bloom potential on visible portions of Lake George and the main stem of the St. Johns River; however, there have been no reports of visible algae on these waters. 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).

On 1/11, South Florida Water Management District staff collected a sample from **Lake Okeechobee - S308C**. No dominant taxon or cyanotoxins were observed in the sample.

On 1/12, Florida Department of Environmental Protection (DEP) staff collected a sample from **Lake Estelle - Near OMA** and at **Lake Rowena - Near NE Corner**. *Microcystis aeruginosa* and *Cuspidothrix issatschenkoi* were co-dominant in the **Lake Estelle - Near OMA** sample and a trace level (0.35 parts per billion) of total microcystins was detected. *Microcystis aeruginosa* was the dominant algal taxon in the **Lake Rowena - Near NE Corner** sample and a trace level (0.65 ppb) of total microcystins was detected.

On 1/13, St. Johns River Water Management District staff collected a sample from **Lake George - Center**. There was no dominant algal taxon and no cyanotoxins were detected.

On 1/13, DEP staff collected samples at **Lake Mabel - 25 meters from NW Shore**. *Microcystis aeruginosa* was the dominant algal taxon and no cyanotoxins were detected.

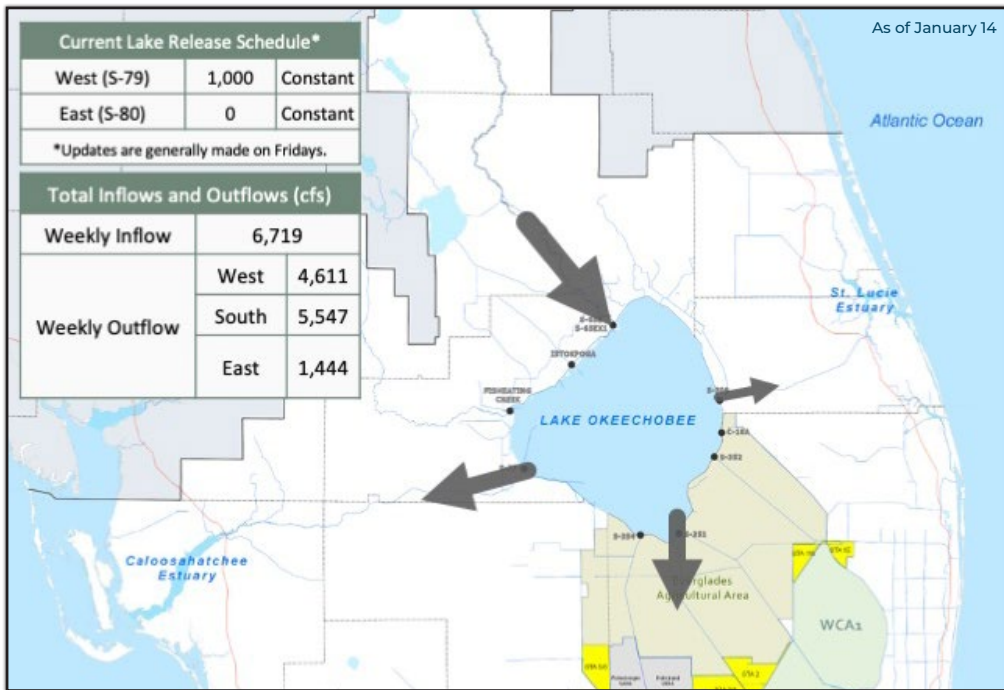
On 1/14, DEP staff collected samples from **Indian River Lagoon - Cocoa Village Marina**, **Indian River Lagoon - N of Magnolia Point**, **Indian River Lagoon - 528 Bridge S** and **Indian River Lagoon - 528 Bridge N**. Results are still pending.

### Last Week

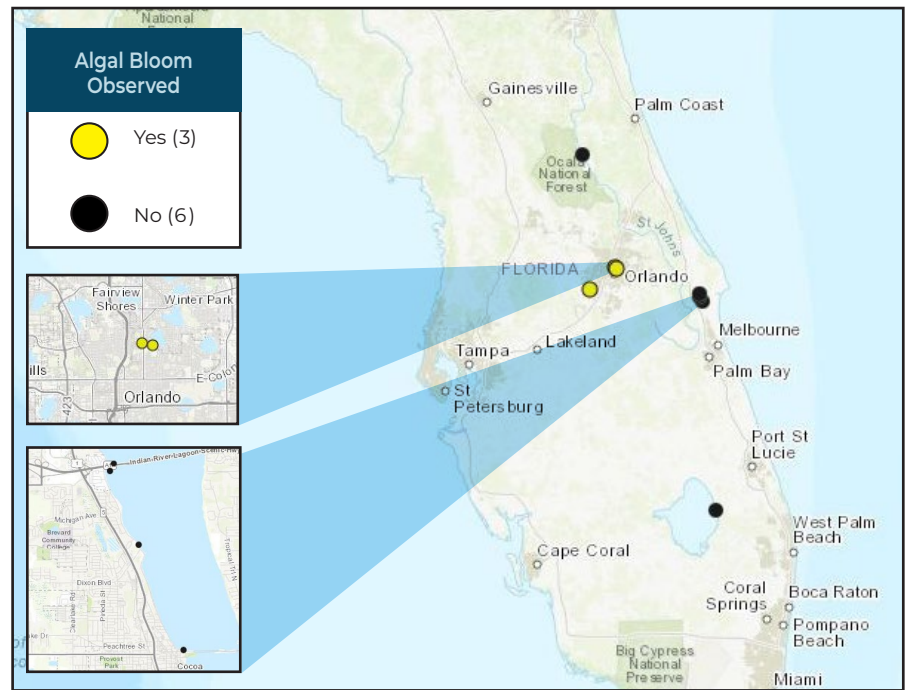
On 1/7, DEP staff collected samples at **Lake Formosa**, **Lake Melva** and **Lake Highland-Near West Shore**. Results were still pending last week but are now available. All three lake samples were dominated by the algal taxon *Microcystis aeruginosa*. All three lake samples had a trace level of total microcystin: **Lake Formosa** (1.17 ppb), **Lake Melva** (0.61 ppb) and **Lake Highland-Near West Shore** (0.75 ppb).

*This is a high-level summary of the sampling events for the reported week. For all field visit and analytical result details, please refer 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 to stay out of water where algae is visibly present as specks, mats or 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.*

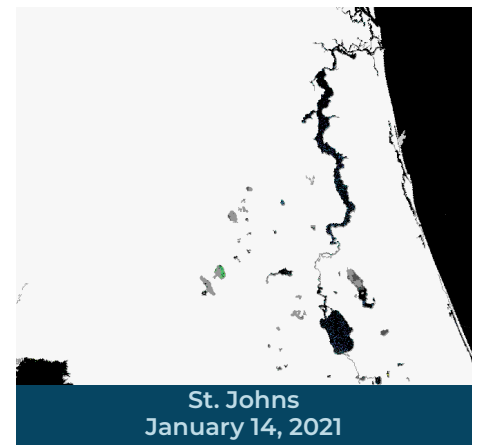
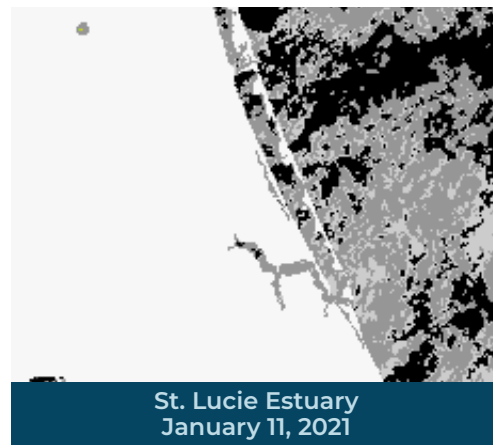
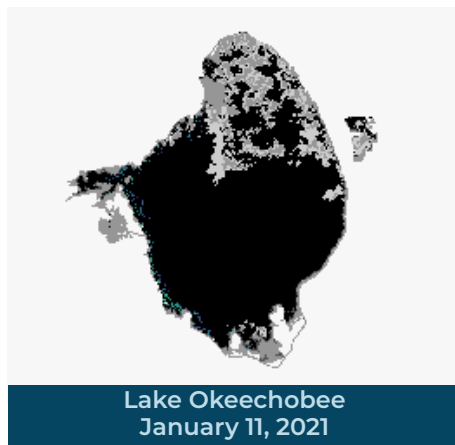
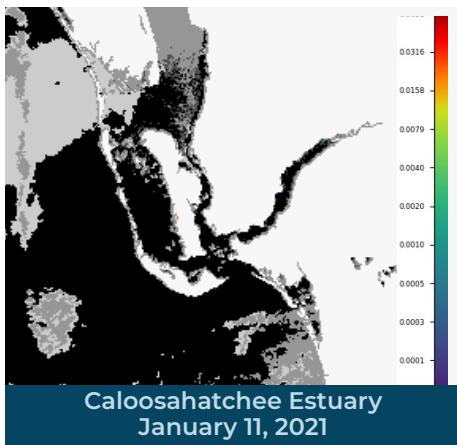
### LAKE OKEECHOBEE OUTFLOWS



### SITE VISITS FOR BLUE-GREEN ALGAE



Satellite Imagery provided by NOAA - Images are impacted by cloud-cover.



### REPORTS FROM HOTLINE

1 December 18-27  
4 December 28-January 3  
2 January 4-7  
5 January 8-14

### 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