



BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING FEB. 23 - FEB. 29, 2024

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).

Caloosahatchee Estuary
Feb. 28, 2024

The most recent usable satellite imagery for the Caloosahatchee Estuary is from 2/28 and shows highly scattered low to moderate bloom potential.

Lake Okeechobee
Feb. 28, 2024

The most recent usable satellite imagery for Lake Okeechobee is from 2/28 and shows low to moderate bloom potential on 15% of the lake, predominantly along the western and southern shorelines of the lake.

St. Lucie Estuary
Feb. 28, 2024

The most recent usable satellite imagery for the St. Lucie Estuary is from 2/28 and shows no bloom potential.

St. Johns River
Feb. 27, 2024

The most recent usable satellite imagery for the St. Johns River from 2/27 is partially obscured by scattered cloud cover, but shows lightly scattered low to moderate bloom potential throughout Lake George and the mainstem of the river down to the city of Jacksonville.

SUMMARY

There were 10 reported site visits in the past seven days with 10 samples collected. Algal bloom conditions were observed by samplers at six of the sites.

On 2/26 - 2/29, The Florida Department of Environmental Protection (DEP) staff collected five Harmful Algal Bloom (HAB) response samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

Blanton Lake - South Lobe: *Microcystis aeruginosa* and *Microcystis wesenbergii* co-dominant; 5.0 parts per billion (ppb) microcystins detected.

Lake Uihlein at Lakewood Ranch: *Microcystis aeruginosa*; trace level (0.99 ppb) microcystins detected.

St. Lucie River - North Carolina Drive Canal: No dominant algal taxon; no cyanotoxins detected.

St. Lucie River - Northwest of Roosevelt: Results pending.

St. Lucie River - Banyan Tree Drive: Results pending.

On 2/28, Orange County staff collected one HAB response sample at **Lake Pearl - Center**; *Microcystis aeruginosa* and *Pseudanabaena mucicola* co-dominant; 1.6 ppb microcystins detected.

On 2/27, St. Johns River Water Management District staff collected four routine HAB monitoring samples. Dominant algal taxa and cyanotoxin results follow each waterbody name.

Fellsmere Water Management Area - Center: *Microcystis aeruginosa*; no cyanotoxins detected.

Lake Monroe - Center: *Microcystis aeruginosa*; no cyanotoxins detected.

Stick Marsh - North: *Microcystis aeruginosa*; no cyanotoxins detected.

Blue Cypress Lake - Center: No dominant algal taxon; no cyanotoxins detected.

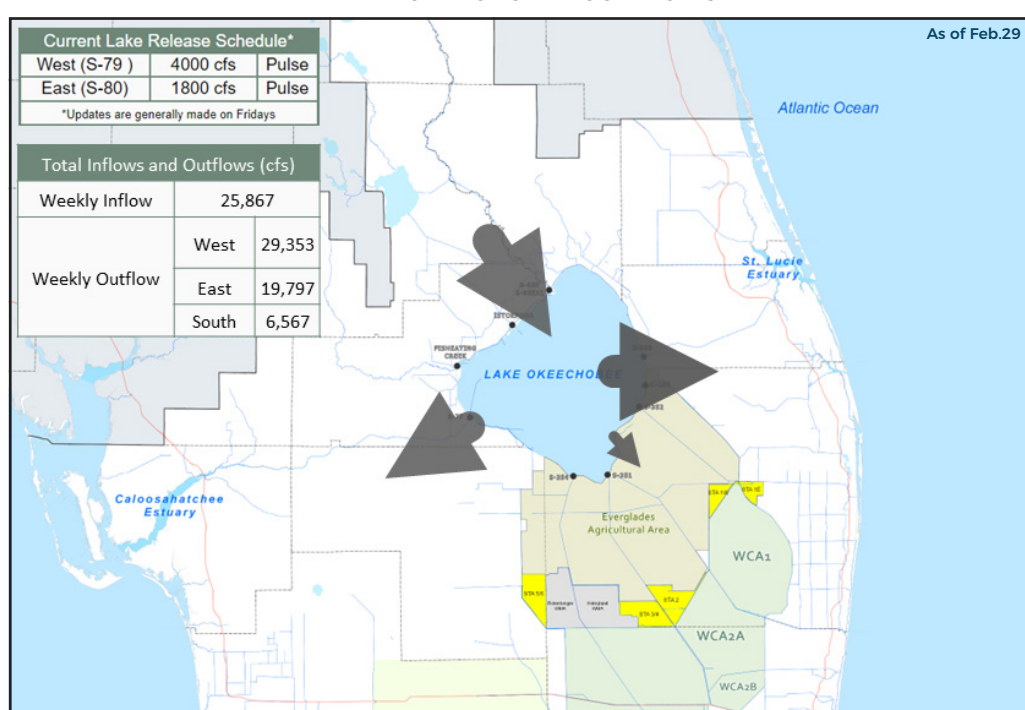
Last Week:

On 2/22, DEP staff collected a HAB response sample at **Lake Harris - East Central Shore**; *Microcystis aeruginosa* and *Cylindrospermopsis raciborskii* co-dominant; no cyanotoxins detected.

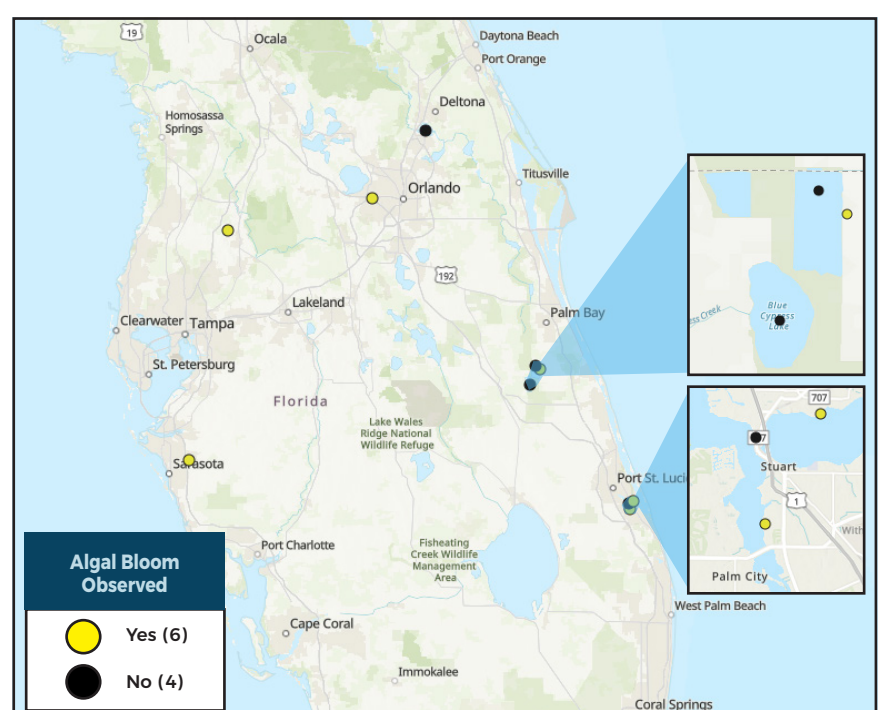
Results for completed analyses are available at FloridaDEP.gov/AlgalBloom.

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