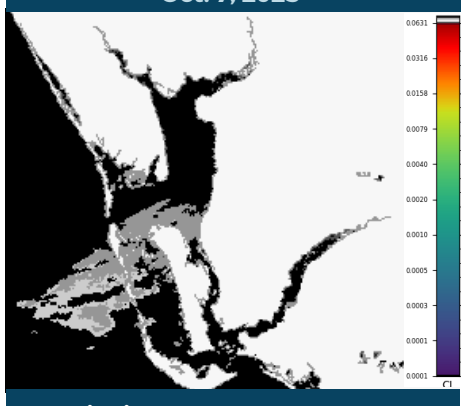
BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING OCT. 6 - OCT. 12, 2023

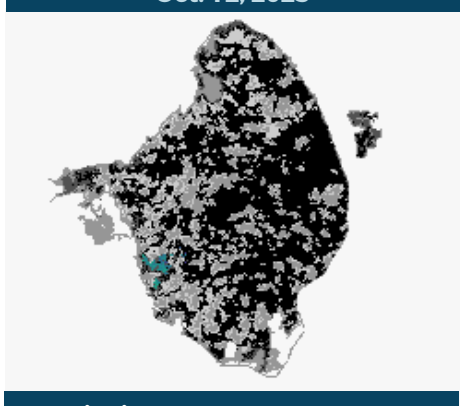
Satellite imagery provided by NOAA - Images are impacted by cloud cover.
A value of 0.004 is nominally equivalent to approximately 20-30 ug/L chlorophyll a of cyanobacteria, and 0.06 would be in the 300-500 ug/L chlorophyll a range.
Please keep in mind that bloom potential is subject to change due to rapidly changing environmental conditions or satellite inconsistencies (i.e., wind, rain, temperature or stage).

Caloosahatchee Estuary
Oct. 7, 2023



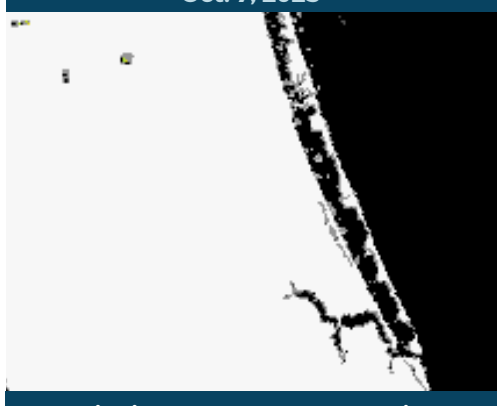
Satellite imagery for the Caloosahatchee Estuary shows no visible bloom potential.

Lake Okeechobee
Oct. 12, 2023



Satellite imagery for Lake Okeechobee is partially obscured by cloud cover but shows low bloom potential on approximately 5% of the lake, primarily in the southwestern quadrant.

St. Lucie Estuary
Oct. 7, 2023



Satellite imagery for the St. Lucie Estuary shows no visible bloom potential.

St. Johns River
Oct. 7, 2023

Satellite imagery for the St. Johns River shows scattered low bloom potential on Lake George and an area of low bloom potential on the mainstem of the river between Deep Creek and Colee Cove.

SUMMARY

There were 25 reported site visits in the past seven days with 25 samples collected. Algal bloom conditions were observed by samplers at one of the sites.

On 10/9-10/12, Florida Department of Environmental Protection staff collected 17 harmful algal bloom (HAB) response samples. The **Tiger Lake – Center** sample was dominated by *Microcystis wesenbergii* and had trace level (0.14 parts per billion [ppb]) microcystins detected. The **South Fork New River - Rio Nuevo A Condo** sample was co-dominated by *Microcystis aeruginosa* and *Chlamydomonas* sp. and had no cyanotoxins detected.

There was no dominant algal taxon and no cyanotoxins detected in samples from **Hancock Creek - Moody Ramp; Able Canal - Connie Ave N;** and 11 samples from the **Caloosahatchee River (West First St. and Altamont Ave; N of Loftons Island; Coral Point Dr; End of Coon Rd; Overiver Dr; Whitecap Cir Dock; End of Canal Cir; SE 32nd St; Jaycee Park; Horton Park;** and **McGregor Colonial Park**).

Results are pending for **Georges Lake - Boat Ramp** and **Doctors Lake - Doctors Lake Park**.

On 10/9-10/11, St. Johns River Water Management District staff collected one HAB response and seven HAB routine samples. The **St. Johns River - Shands Bridge; Doctors Lake – Center; St. Johns River - Mandarin Point; Lake George – Center;** and **M-canal just north of Blue Cypress Lake** samples had no dominant algal taxon and no cyanotoxins detected. The **Stick Marsh – North** and **Blue Cypress Lake – Center** samples were dominated by *Microcystis aeruginosa* and had no cyanotoxins detected. The **Crescent Lake - Mouth of Dunns Creek** sample was co-dominated by *Microcystis aeruginosa* and *Cylindrospermopsis raciborskii* and had no cyanotoxins detected.

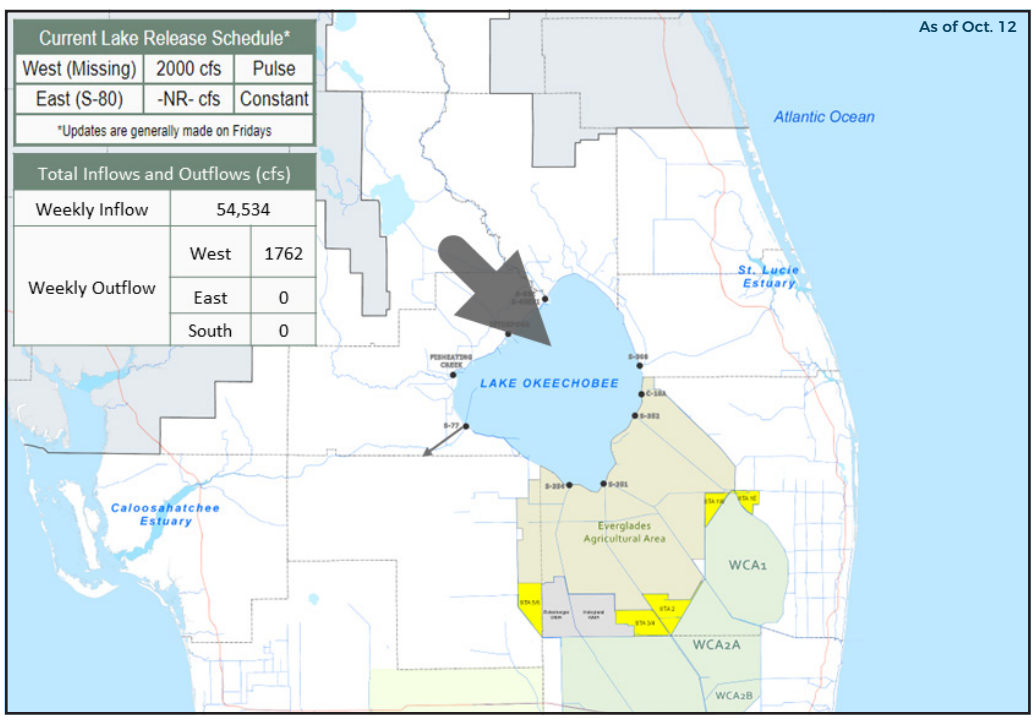
Results for completed analyses are available at FloridaDEP.gov/AlgalBloom.

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.

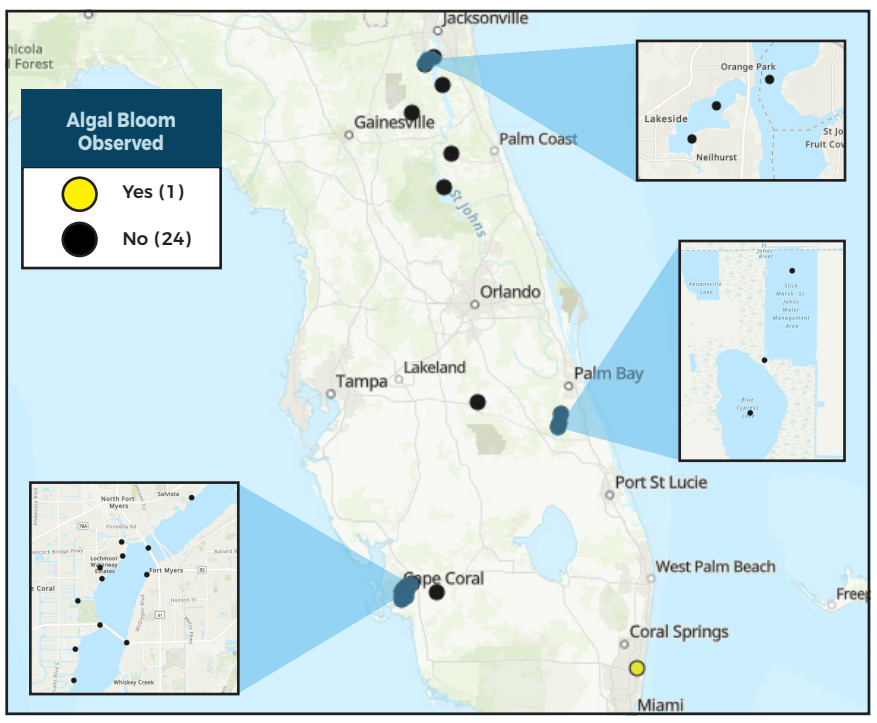
LAKE OKEECHOBEE OUTFLOWS

Current Lake Release Schedule*		
West (Missing)	2000 cfs	Pulse
East (S-80)	-NR- cfs	Constant
*Updates are generally made on Fridays		

Total Inflows and Outflows (cfs)		
Weekly Inflow	54,534	
Weekly Outflow	West	1762
	East	0
	South	0



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