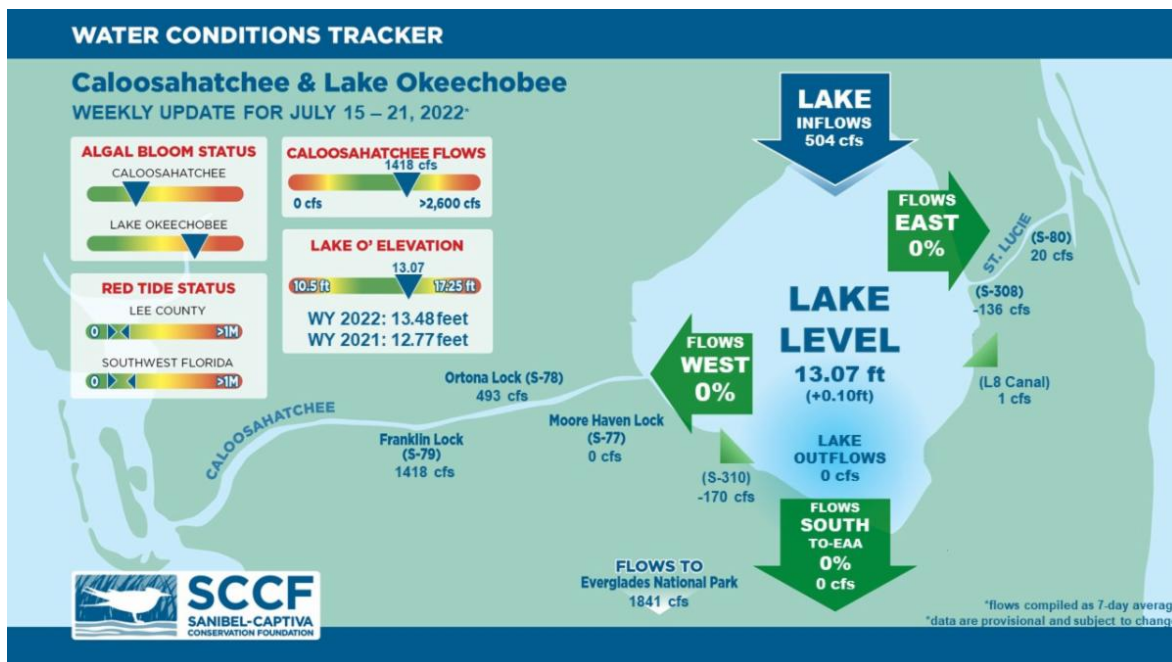




This Week's Water Conditions Update

July 21, 2022

Water Conditions Tracker



Lake Okeechobee Levels & Caloosahatchee Flow Impacts

On 7/21/22 Lake Okeechobee was at 13.07 feet, increasing by 0.10 feet in the past week. The weekly average flow at S-79 was 1,418 cfs (cubic feet per second) and flow from the Lake at S-77 was an average of 0 cfs. The 14-day average flow on 7/21/22 was **1,338 cfs** and has been in the optimal flow envelope (750 - 2100 cfs) for 2 days.

For more information on Lake Okeechobee and estuary conditions go to the latest [Caloosahatchee Conditions Report](#)



Virtual Water Quality Tour from Lighthouse Beach

[Click here](#) or on the image above to take a virtual tour from above Lighthouse Beach Park to see how the water looked this week.

Photo was taken on 7/15/22 at 1:27 PM on a rising tide (High tide @ 1:35 PM (3.63ft)).

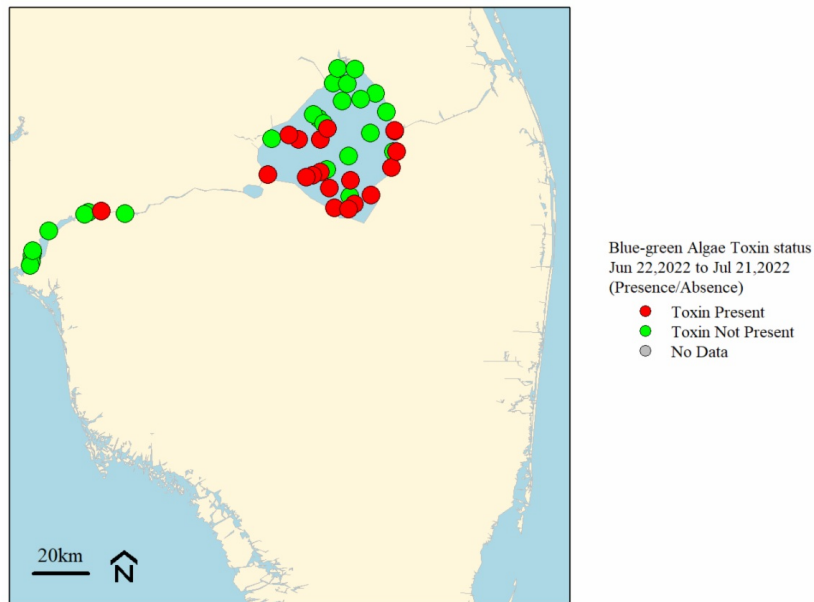
Red Tide

[Satellite imagery](#) over the past week has not detected any blooms off the coast of Southwest Florida.

On 7/15/22, the FWC reported that the red tide organism, *Karenia brevis* was observed at background concentrations in Northwest Florida over the past week. In Southwest Florida over the past week, *K. brevis* was not observed.

Blue-Green Algae

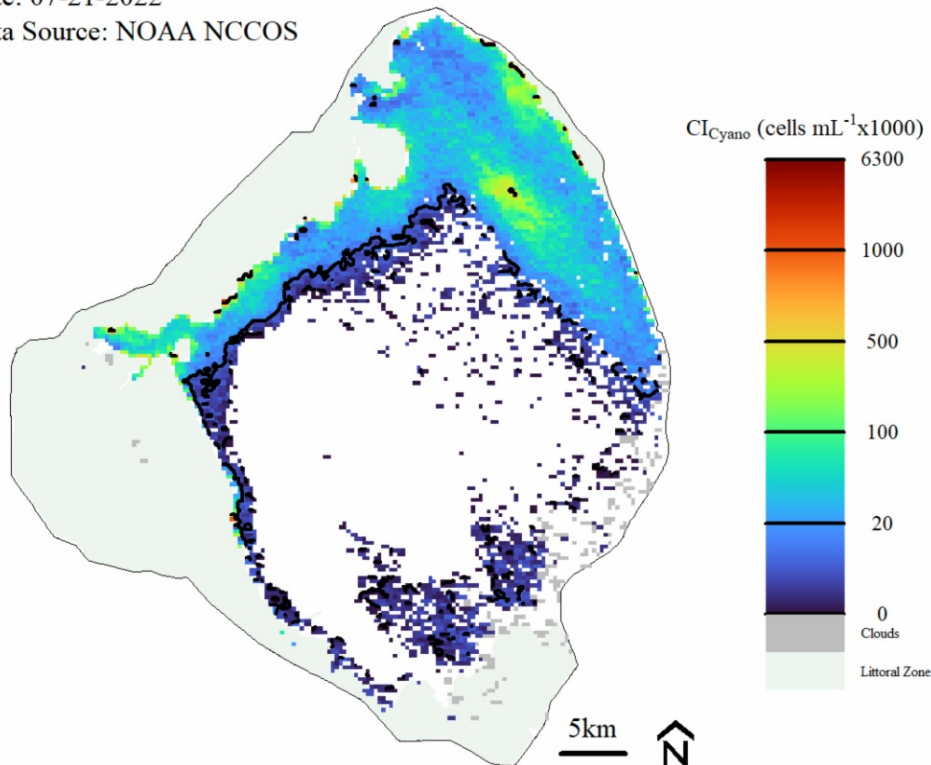
On 7/18/22 sampling for cyanobacteria by the Lee County Environmental Lab reported the presence of *Planktothrix*, *Dolichospermum*, and *Microcystis* at the Alva Boat Ramp and *Microcystis* at the Davis Boat Ramp.



Data from the [FDEP blue-green algae dashboard](#) reported 100 samples collected over the past 30 days for the 10 county area. 21 samples had toxins present ranging from 0.21 to 180 μg per L which is **above** the EPA recommended standard for recreational waters (8 μg per L).

On 7/21/22, [satellite imagery](#) from Lake Okeechobee showed moderate bloom potential in the Western and Northern shores of the lake and elevated bloom potential in the offshore areas in the Northern part of the lake. Overall, algal blooms covered about 215 square miles (31%) of the Lake.

Date: 07-21-2022
Data Source: NOAA NCCOS



Become a Citizen Scientist and Get the Algae Reporting App Today!

SCCF wants to know when and where all types of algae sightings

occur to monitor conditions around the islands and to investigate algae bloom occurrence with patterns in seasonal weather changes and Lake Okeechobee water management practices.



Download the algae reporting app on your phone by [clicking here](#) or by searching for the ArcGIS Survey123 app in the app store. Once installed, give the app permission to access your phone's location to receive GPS coordinates of your sighting and camera/media to capture and attach pictures. When you open the app, click "Continue Without Signing In."

Next, download the algae reporting survey by scanning the QR code above or [clicking here](#) on your phone. Once the survey is downloaded, fill out the required fields and click the check mark in the lower right corner to submit your sighting. Note: If you do not have cellular coverage, you can still fill out the survey and save it in the outbox to be sent later. [Click here](#) to download instructions.

Resources To Follow:

To learn more about our current water conditions, click on the following links:

[Caloosahatchee Conditions Report](#)

A collaborative, weekly analysis, including recommendations for water managers regarding Lake Okeechobee flows.

[RECON](#)

SCCF's River, Estuary, and Coastal Observing Network is a network of eight optical water quality sensors deployed throughout the Caloosahatchee and the Pine Island Sound estuary to provide real-time water quality data.

[Red Tide Resources](#)

[NOAA HAB Monitoring System - Lake Okeechobee](#)

[Algae Reporting App](#)

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