



BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

Reporting August 2 - 8, 2019

SUMMARY

There were 19 reported site visits in the past week (8/02 - 8/08) with 18 site visits resulting in samples collected.

NOAA satellite imagery for Lake Okeechobee continues to indicate medium bloom potential, with approximately 35% coverage in the northern portion of the lake. Imagery of estuaries is not showing any bloom potential currently. South Florida Water Management District visited seven locations on Lake Okeechobee, as well as the S79 structure. The samples collected at North Lake 03, Poles Out, and North Northwest of Pelbay3 stations did not have any dominant species, and microcystins were trace (0.34 l), trace (0.34 l) and 1.2 parts per billion, respectively. The samples collected at Northeast of L007, LZ30, L004, and North of Lake 05 were all dominated by *Microcystis aeruginosa*, and microcystins were 2.8, trace (0.94 l), 1.0, and 1.1 parts per billion, respectively. No algae was visible at the S79 structure at the time of sampling and no toxins were detected. DEP will be performing sampling on Lake Okeechobee next week in areas with the highest bloom potential.

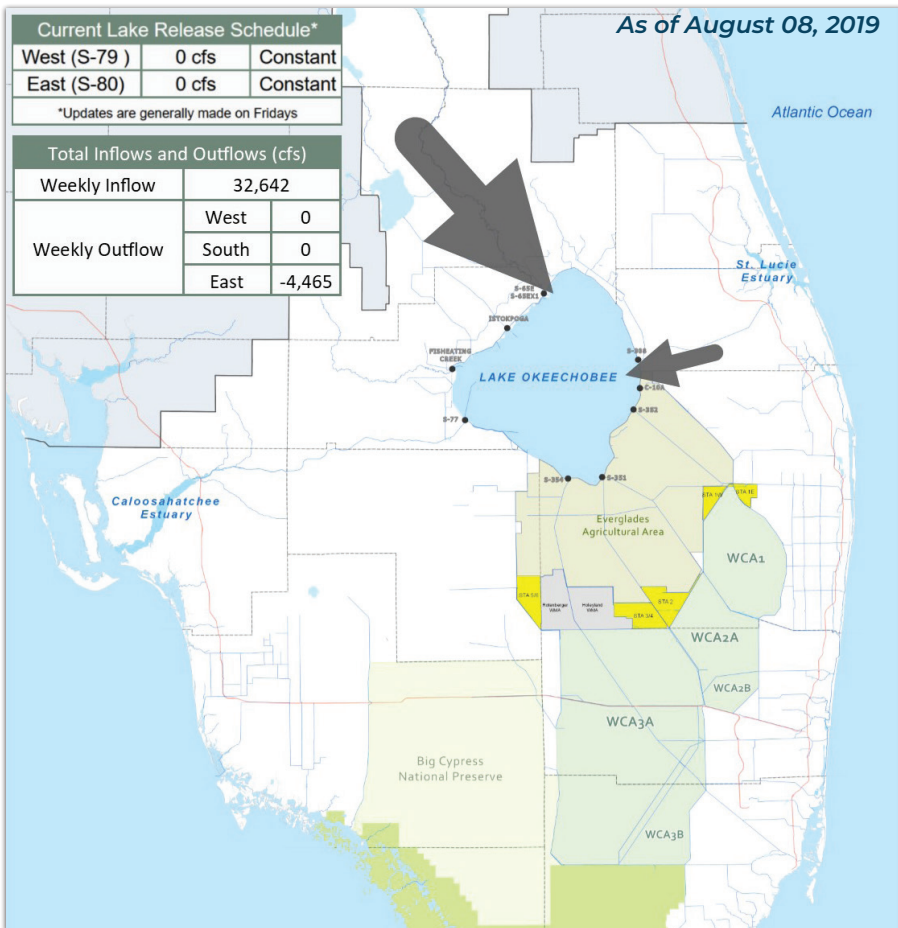
Satellite imagery of the St. Johns River continues to show no bloom potential. St. Johns River Water Management District staff will be on the river next week monitoring the previous bloom area. DEP staff visited Lake Washington on 8/05 and found no visible algal bloom on the entire lake. A water sample collected near the drinking water facility intake found no detectable toxins.

Algae continues to be observed in Fort Lauderdale canals and along New River. Samples collected south of the New River Boat Ramp, 16th Street Bridge, East of Bill Keith Preserve, and at Canal at 9th were all dominated by *Microcystis aeruginosa*, while a sample collected at Hendricks Isle Bridge had no dominant species. All toxin results were non-detect except for 2.04 parts per billion in the Canal at 9th sample.

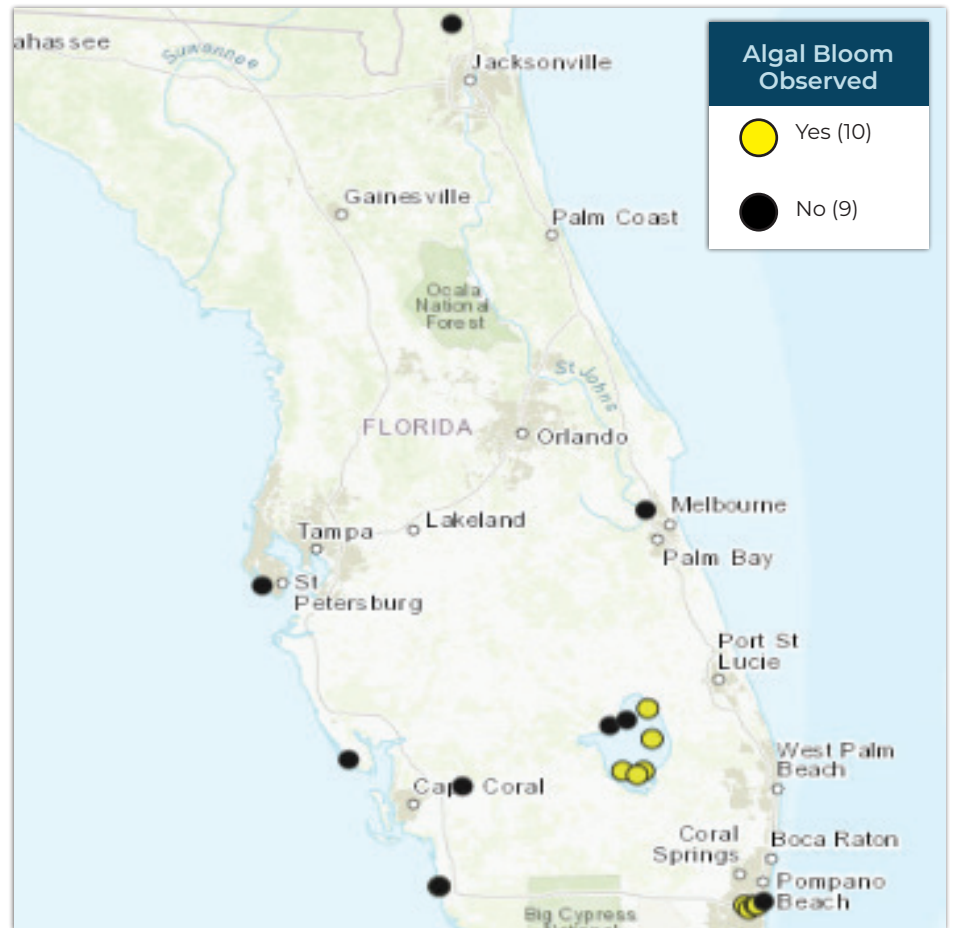
A couple of algal mat samples were collected in Collier County at Pirates Bight and Moorings Bay. The Pirates Bight sample was dominated by the filamentous cyanobacteria *Spirulina subsalsa*, and toxin results are still pending. Moorings Bay sample results are still pending.

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.

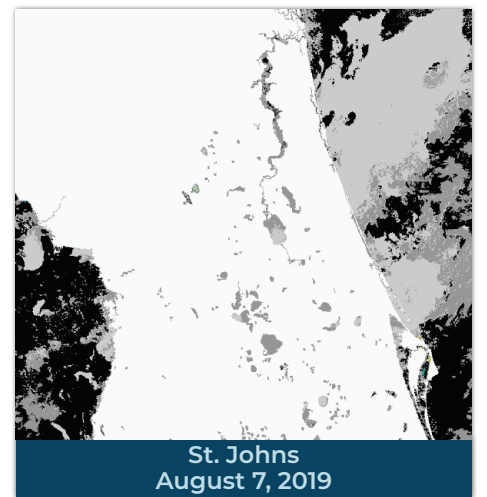
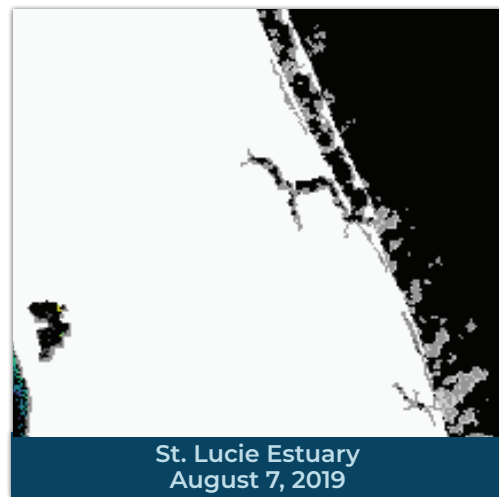
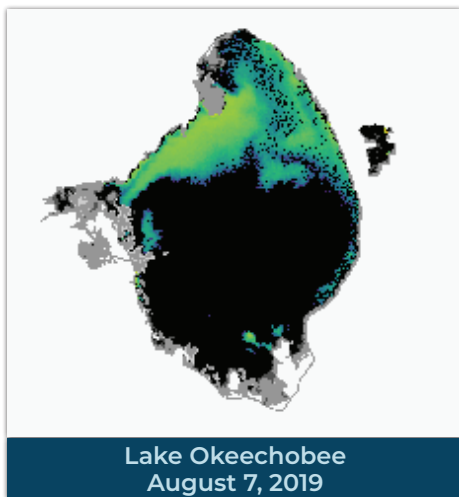
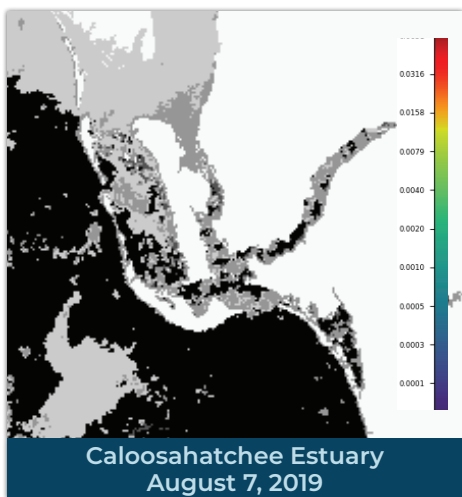
LAKE OKEECHOBEE OUTFLOWS



SITE VISITS FOR BLUE-GREEN ALGAE



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



REPORTS FROM HOTLINE



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