



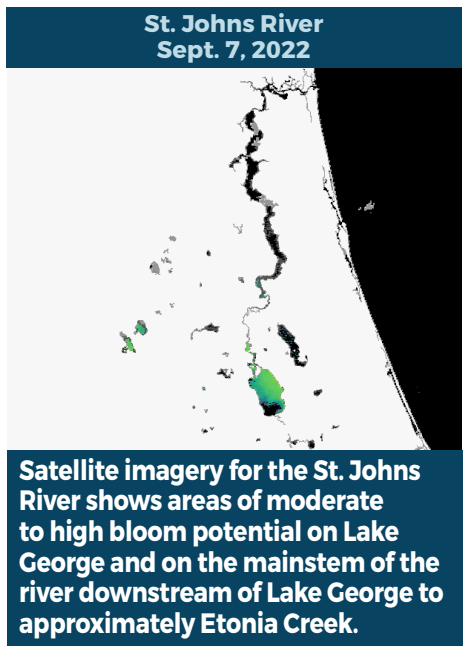
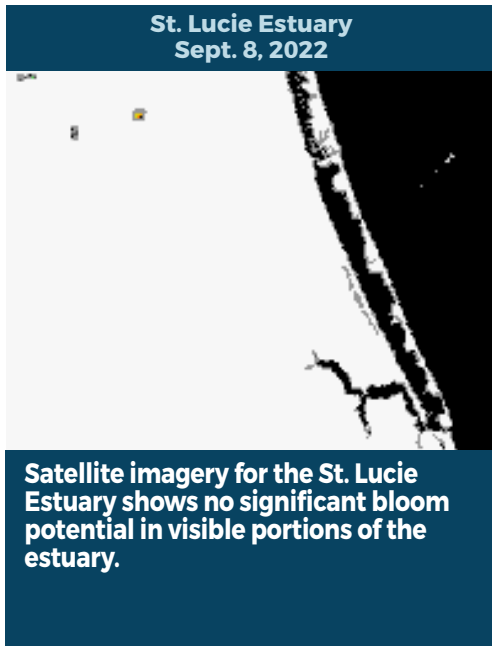
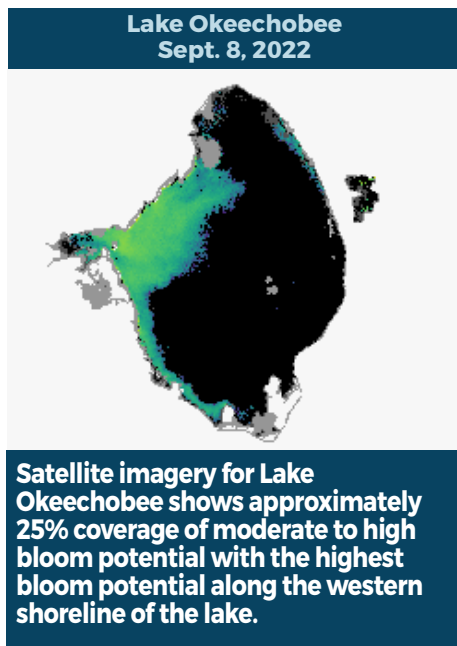
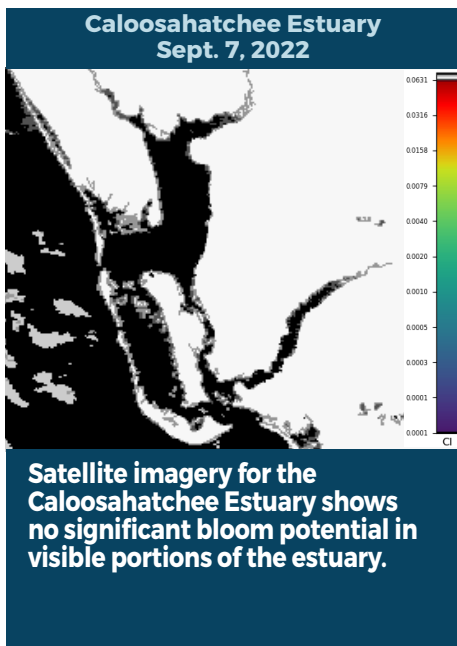
BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING SEPT. 2 - SEPT. 8, 2022

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).



SUMMARY

There were 48 reported site visits in the past seven days with 48 samples collected. Algal bloom conditions were observed by samplers at 13 sites.

On 9/6-9/7, the South Florida Water Management District (SFWMD) performed five site visits. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- C43 Canal - S77 Structure (upstream): *Microcystis aeruginosa* dominant algal taxon, no cyanotoxins detected.
- C43 Canal - S79 Structure (upstream): No dominant algal taxon, no cyanotoxins detected.
- C51 Canal - S155 Structure (upstream): No dominant algal taxon, no cyanotoxins detected.
- C44 Canal - S308 Structure (canal side): *Microcystis aeruginosa* dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - S308 Structure (lakeside): *Carteria cordiformis* dominant algal taxon, no cyanotoxins detected.

On 9/6-9/7, SFWMD staff collected routine harmful algal bloom (HAB) monitoring samples at 28 stations on Lake Okeechobee. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- Lake Okeechobee - POLESOUT3: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - POLESOUT2: *Planktolyngbya limnetica*, no cyanotoxins detected.
- Lake Okeechobee - POLESOUT1: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - NCENTER: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - EASTSHORE: *Microcystis aeruginosa*, no cyanotoxins detected.
- Lake Okeechobee - L004: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - L008: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - L005: *Planktolyngbya limnetica*, no cyanotoxins detected.
- Lake Okeechobee - POLESOUT: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - KBARSE: *Microcystis aeruginosa*, no cyanotoxins detected.
- Lake Okeechobee - KISSR0.0: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - LZZ: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - NES191: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - L001: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - NES135: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - RITTAE2: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - LZ25A: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - L007: *Microcystis aeruginosa*, no cyanotoxins detected.
- Lake Okeechobee - PALMOUT3: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - PALMOUT2: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - PALMOUT1: *Cylindrospermopsis raciborskii*, no cyanotoxins detected.
- Lake Okeechobee - PALMOUT: *Microcystis aeruginosa*, no cyanotoxins detected.
- Lake Okeechobee - LZ30: *Microcystis aeruginosa*, no cyanotoxins detected.
- Lake Okeechobee - POLES3: *Planktolyngbya limnetica* and *Cylindrospermopsis raciborskii* co-dominant, no cyanotoxins detected.
- Lake Okeechobee - PELBAY3: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - CLV10A: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - LZ40: No dominant algal taxon, no cyanotoxins detected.
- Lake Okeechobee - L006: No dominant algal taxon, no cyanotoxins detected.

On 9/1, Florida Department of Environmental Protection (DEP) staff performed 12 HAB response site visits. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- Lake Mariam - Boat Ramp: *Dolichospermum circinale* dominant, no cyanotoxins detected.
- Lake Mann - McQueen Park: *Planktolyngbya limnetica* dominant, 0.46 parts per billion (ppb) cylindrospermopsin detected.
- Lake Estelle - Dorchester and Mills: *Microcystis aeruginosa* dominant, no cyanotoxins detected.
- Caloosahatchee River - Shell Point Blvd: No dominant algal taxon, toxin results pending.
- Lake Christie - NE Shore: No dominant algal taxon, toxin results pending.
- Caloosahatchee River - Killer Canal: No dominant algal taxon, toxin results pending.
- Caloosahatchee River - Near Dimple Canal: No dominant algal taxon, toxin results pending.
- Lake Jackson - Rhoden Cove: *Plectonema wollei* dominant, no cyanotoxins detected.
- Caloosahatchee River - Waterway Estates Deadend: Results pending.
- Lake Monroe - NW Corner Under I-4: Results pending.
- Caloosahatchee River - Waterway Estates Entrance: Results pending.
- Sawgrass Lake - From CWC dock: Results pending.

On 9/8, the St. Johns River Water Management District collected two routine HAB monitoring samples and one HAB response sample.

- Lake Jesup - Center (OW-CTR): Results pending.
- Lake Monroe - Center (LMAC): Results pending.
- Trout Creek - Trout Creek Park Boat Ramp: Results pending.

Last Week

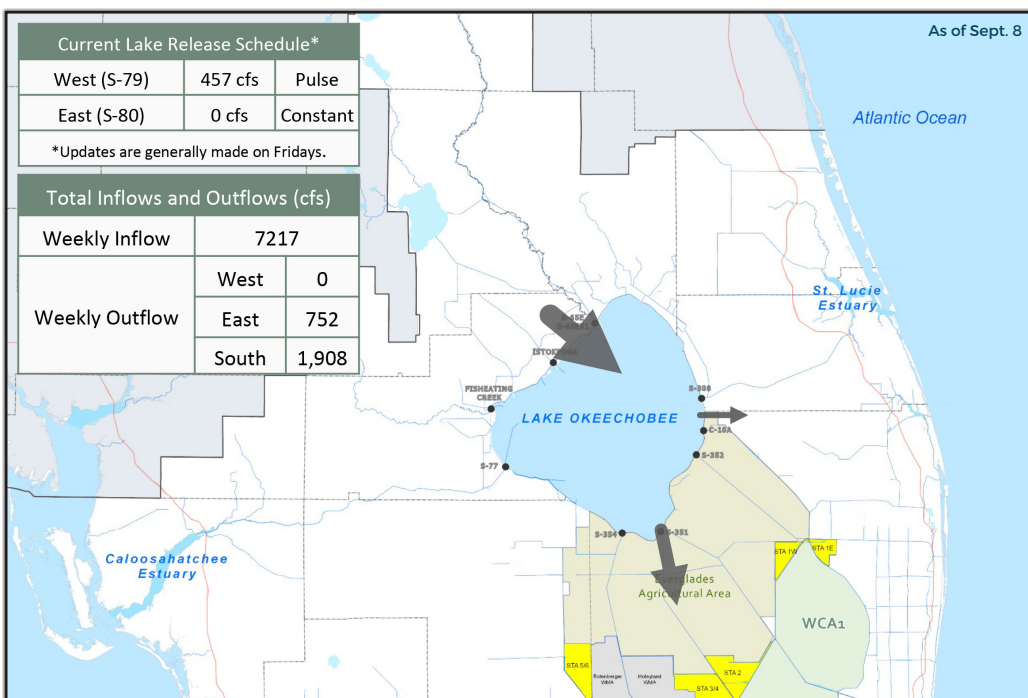
On 9/1, DEP staff performed 11 HAB response site visits. Dominant algal taxa and cyanotoxin results follow each waterbody name.

- Three Sisters Springs Canal - Between 3rd Ave and 4th Ave: *Chlamydomonas sp.*, no cyanotoxins detected.
- St. Johns River - At Buckman Bridge Fenders: No dominant algal taxon, no cyanotoxins detected.
- Doctors Lake - At Camp Echowokotee: *Microcystis aeruginosa* dominant taxon, trace (0.29 ppb) microcystins detected.
- Doctors Lake - Near Lucy Branch: No dominant algal taxon, trace (0.47 ppb) microcystins detected.
- Doctors Lake - End of Lawrence Rd: *Microcystis aeruginosa* dominant taxon, trace (0.42 ppb) microcystins detected.
- Lake Griffin - South Lobe: *Microcystis aeruginosa* dominant taxon, no cyanotoxins detected.
- Doctors Lake - Mill Cove: No dominant algal taxon, trace (0.33 ppb) microcystins detected.
- Lake Harris - S of Monkey Island: No dominant algal taxon, no cyanotoxins detected.
- Swimming Pen Creek - Whitey's Fish Camp: *Microcystis aeruginosa* dominant taxon, trace (0.41 ppb) microcystins detected.
- Lake Kinsale - East End Near Weir: No dominant algal taxon, trace (0.12 ppb) microcystins detected.
- St. Johns River - 2930 SR 13: *Microcystis aeruginosa* dominant taxon, no cyanotoxins detected.

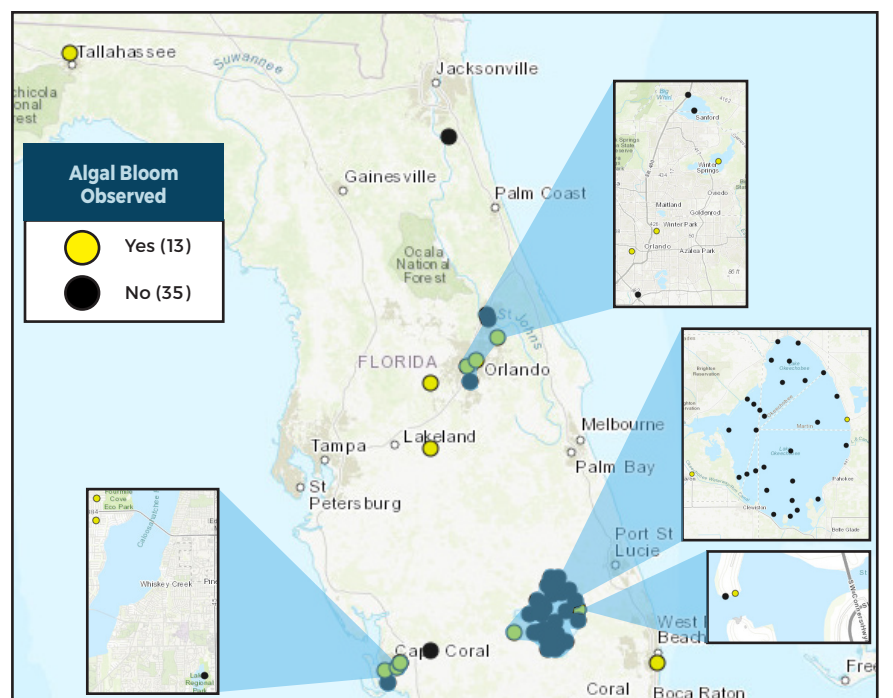
Results for completed analyses are available and posted at FloridaDEP.gov/AlgalBloom.

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



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

