Blue-Green Algal Bloom Weekly Update
Reporting Nov. 5 – 11, 2021

SUMMARY

There were four reported site visits in the past seven days, with four samples collected. Algal bloom conditions were not observed by samplers at any of the sites.

On 11/8-11/9, SFWMD staff collected samples from the S77 structure on the C43 Canal and the S80 structure on the C44 Canal. There was no dominant algal taxon in either of these samples and no cyanotoxins were detected.

On 11/9, the Florida Department of Environmental Protection collected one sample on Lake Eustis in a canal near Linda Lane. The sample had no dominant algal taxon and had no cyanotoxins detected.

On 11/9, St. Johns River Water Management District staff collected a sample on Lake George. The sample was dominated by Microcystis aeruginosa and had no cyanotoxins detected.

Last Week

On 11/1 – 11/4, the Florida Department of Environmental Protection collected 14 samples. Twelve of those samples were collected at areas along the St. Johns River previously affected by a Microcystis aeruginosa bloom. Of those 12 samples, only the Doctors Lake at Mill Cove sample had a dominant algal taxon, Microcystis aeruginosa. None of the twelve samples had cyanotoxins detected. The other two samples were collected at Lake Lorraine and Lake Haines. The Lake Lorraine sample was dominated by Microcystis aeruginosa and had a trace level (0.26 parts per billion (ppb)) microcystins detected. The Lake Haines sample had no dominant algal taxon and no cyanotoxins detected.

On 11/4, Orange County staff collected samples from Lake Speer and Lake Anderson. Both samples were dominated by Microcystis aeruginosa and had trace levels (0.45 ppb and 0.15 ppb, respectively) of microcystins detected.

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

As of Nov. 11

**Lake Okeechobee Outflows**

- **Weekly Inflow:** 25,007
- **Weekly Outflow:** 447, 28, -681

**Site Visits for Blue-Green Algae**

- **Lake Okeechobee:**
  - Doctors Lake at Mill Cove: Microcystis aeruginosa, trace level microcystins
  - Lake Haines: No dominant algal taxon, no cyanotoxins detected
  - Lake Lorraine: Microcystis aeruginosa, trace level microcystins detected
- **St. Lucie Estuary:**
  - Lake Anderson: Microcystis aeruginosa, no cyanotoxins detected
  - Lake Eustis: Microcystis aeruginosa, no cyanotoxins detected
- **St. Johns River:**
  - Lake George: Microcystis aeruginosa, no cyanotoxins detected
  - Lake Anderson: Microcystis aeruginosa, no cyanotoxins detected

**Reports from Hotline**

- **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)

- **Saltwater Bloom:**
  - Observe stranded wildlife or a fish kill
  - Information about red tide and other saltwater algal blooms

- **Freshwater Bloom:**
  - Observe an algal bloom in a lake or freshwater river
  - Information about blue-green algal blooms

**Reports to Algal Bloom**

- **Contact FWC**
  - 800-636-0611 (Fish kill)
  - 888-404-3922 (wildlife Alert)
  - MyFWC.com/RedTide

- **Contact DEP**
  - 855-305-3903 (to report freshwater blooms)
  - FloridaDEP.gov/AlgalBloom

Learn more about Florida’s Algal Bloom Monitoring and Response visit our Water Quality website to check the current status and to receive updates.

ProtectingFloridaTogether.gov