SUMMARY

There were 11 reports of visits in the past seven days (10/9 – 10/15), with 11 samples collected. Algal bloom conditions were observed by the samplers at seven sites.

Satellite imagery for the Lake Okeechobee and the Caloosahatchee and St. Lucie estuaries from 10/15 was partially obscured by cloud cover but showed approximately 40%-coverage of medium to high algal bloom potential on the lake. No bloom potential was observed on the visible portions of either estuaries.

Satellite imagery for the St. Johns River from 10/15 was heavily obscured by cloud cover but did not show any significant bloom potential on Lake George or visible portions of the main stem of the St. Johns River. 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).

On 10/14, South Florida Water Management District staff collected samples from S308C (Lakeside) and the C43 Canal – S77 (Upstream). No dominant algal taxon and no cyanotoxins were detected in the two samples.

On 10/10, South Florida Water Management District staff collected a sample from Blue Cypress Lake-Middleton Fish Camp. The sample was dominated by Microcystis aeruginosa and no cyanotoxins were detected.

On 10/11, S3RWMD staff collected a sample from Lake George-Center. The sample had no dominant algal taxon and no cyanotoxins were detected.

Florida Department of Environmental Protection (DEP) staff collected four samples this week. The Lake Bradford-Western Shore sample collected 10/9 was dominated by Botryococcus braunii. The Indian River – Pebble Bay sample collected 10/12 was dominated by dinoflagellates. The C44-S80 sample collected 10/13 had no dominant algal taxon. There were no cyanotoxins detected in these three samples.

On 10/14, DEP collected a sample from Direct Run-off upstream of Laurel Drive. Results are pending.

On 10/14, staff from the Florida Fish and Wildlife Conservation Commission and Wildlife Research Institute (FWC/FWRI) collected samples from Indian River-Parish Park Boat Ramp, Indian River Eau Gallie Pier and Banana River- S20 Slick Boat Ramp. Algal identifications are being performed by FWC/FWRI (results pending). No cyanotoxins were detected.

Last Week

On 10/7, FWC/FWRI collected samples from Indian River-Parish Park Boat Ramp, Indian River Eau Gallie Pier and Banana River- S20 Slick Boat Ramp. Algal identifications are being performed by FWC/FWRI (results pending). No cyanotoxins were detected.

On 10/8, DEP staff collected a sample from Three Forks Marsh (2.8 miles south of boat ramp). The sample was co-dominated by Phormidium sp. and Ulothrix sp., and no cyanotoxins were detected.

On 10/9, DEP staff collected a sample from C43 Canal – S77 (Upstream). The sample had no dominant algal taxon and no cyanotoxins were detected.

This is a high-level summary of the sampling events for the reported week. For all field visit and analytical results details, please refer to the “Field and Lab Details” Quick Link in the “Algal Bloom Dashboard.”

LAKE OKEECHOBEE OUTFLOWS

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

(800-222-1222 or CHIP)

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

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

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

REPORT ALGAL BLOOMS

LAKE OKEECHOBEE OUTFLOWS

As of October 15, 2020

Current Lake Release Schedule*

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<thead>
<tr>
<th></th>
<th>West (6-7)</th>
<th>East (5-8)</th>
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<tbody>
<tr>
<td>Pulse</td>
<td>650</td>
<td>0</td>
</tr>
<tr>
<td>Constant</td>
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*Updates are generally made on Fridays.

Total Inflows and Outflows (cfs)

Weekly Inflow 64,343

Weekly Outflow

<table>
<thead>
<tr>
<th></th>
<th>West</th>
<th>South</th>
<th>East</th>
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</thead>
<tbody>
<tr>
<td>Weekly</td>
<td>783</td>
<td>6,922</td>
<td>-30</td>
</tr>
</tbody>
</table>

SITE VISITS FOR BLUE-GREEN ALGAE

Contact FWC/FWRI (results pending). No cyanotoxins were detected.

Contact DEP

855-305-3903 (to report freshwater blooms)

FloridaDEP.gov/AlgalBloom

Contact DOH

(800-222-1222 or CHIP)

FloridaHealth.gov/all-county-locations.html