SUMMARY

There were 21 reported site visits in the past seven days, with 21 samples collected. Algal bloom conditions were observed by samplers at eight of the sites.

On 11/15 - 11/16, South Florida Water Management District staff collected samples near the S308 structure on the C44 Canal and Lake Okeechobee, the S80 structure on the C44 Canal and the S77 structure on the C43 Canal. There was no dominant algal taxon in any of the samples and no cyanotoxins were detected.

On 11/16, Collier County staff collected samples from Lake Trafford and Moorings Bay. There was no dominant algal taxon in either of the samples and only the Lake Trafford sample had cyanotoxins detected with a trace level of microcystins (0.26 parts per billion [ppb]) and cylindrospermopsin (0.23 ppb).

On 11/16 – 11/18, St. Johns River Water Management District staff collected samples at eight routine harmful algal bloom monitoring stations. No dominant algal taxon or cyanotoxins were detected in the samples that have been analyzed to date; however, there are pending sample results that will be posted next week.

On 11/16 – 11/18, Florida Department of Environmental Protection staff resampled seven sites where cyanotoxins had previously been detected. Of the samples for which results are available, only the Sawgrass Lake sample had a dominant algal taxon, Microcystis aeruginosa, or cyanotoxins detected (trace, 0.41 ppb microcystins). The remainder of the pending sample results will be posted next week.

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, bloom potential is subject to change due to rapidly changing environmental conditions or satellite inconsistencies (i.e., wind, rain, temperature or stage).