There were 23 reports of visits in the past seven days (12/7 to 12/13), with 23 samples collected. Algal bloom conditions were observed by the samplers at nine sites.

Satellite Imagery for Lake Okeechobee and the Caloosahatchee and St. Lucie estuaries from 12/16/20 showed no bloom potential on Lake Okeechobee or visible portions of the St. Lucie Estuary. The imagery for the Caloosahatchee Estuary was not visible during the 12/16 satellite fly-over. Satellite imagery for the St. Johns River from 12/16 showed no bloom potential on visible portions of Lake George and 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 12/14, 12/16, St. Johns River Water Management District staff collected samples from the IRL – 528 Bridge South and IRL – Cocoa Village Marina. Results are still pending. There was no dominant algal taxon in any of these samples.

On 12/16, DEP staff collected samples at Harbor Isles – Southern Lobe, Harbor Isles – NW Lobe, Lake Kissimmee – SW Brahma Island, and S56 - Lakeside. The Harbor Isles – Southern Lobe sample had 6.0 ppb total microcystins, the Harbor Isles – NW Lobe sample had 5.4 ppb total microcystins, the Lake Kissimmee – SW Brahma island sample had no detectable cyanotoxins, and the S56 - Lakeside sample had a trace level (0.27 ppb) of total microcystins. All four samples were dominated by Microcystis aeruginosa.

On 12/16, DEP staff collected samples from the Indian River Lagoon at four locations, IRL – Cocoa Village Marina, IRL – 528 Bridge South, IRL – 528 Bridge North, and IRL – North of Magnolia Point. Only the IRL – Cocoa Village Marina and IRL – S28 Bridge North samples contained trace levels of total microcystin (0.32 ppb and 0.31 ppb, respectively). Microcystins were not detected in IRL – North of Magnolia Point and IRL – 528 Bridge North samples. Saxitoxin results are still pending. There was no dominant algal taxon in any of these samples.