SUMMARY

There were 39 reported site visits in the past seven days, with 39 samples collected. Algal bloom conditions were observed by samples at 19 sites.

On 7/11, South Florida Water Management District (SFWRMD) staff collected samples from the C-36 Canal, 997, C-36 Canal and C-397 Structures. Lake Okeechobee - SJRWMD structures (six sites) and Lake Okeechobee - 500' Structures (three sites). None of the samples had a dominant algal taxon or cyanotoxins detected.

On 7/11 - 12, South Florida Water Management District (SFWRMD) staff collected routine monthly routine HAB monitoring samples at Lake George, Crescent Lake – Crescent City Boat Ramp, Blue Cypress Lake, Stick Marsh North, St. Johns River – 2930 SR 13 and Lake Monroe. None of the samples had cyanotoxins detected. The Lake Okeechobee samples were dominated by Microcystis aeruginosa and Microcystis wesenbergii. And had trace levels of microcystins ranging between 1.1 and 5.0 ppb. The Lake Okeechobee samples were dominated by Microcystis aeruginosa and had a trace level (0.25 ppb) of cylindrospermopsin detected. The Lake Monroe samples were dominated by Microcystis aeruginosa and Microcystis wesenbergii. With a trace level (0.88 ppb) of microcystins detected.

On 7/11 – 13, South Florida Water Management District (SFWRMD) staff collected routine monthly routine HAB monitoring samples at Lake George, Crescent Lake – Crescent City Boat Ramp, St. Johns River – Buzzard Island, St. Johns River – Russel Park, Lake Wauberg, Lake Okeechobee and Lake Monroe. The Lake Okeechobee samples were dominated by Microcystis aeruginosa and had a trace level (0.83 ppb) of microcystins detected.

On 7/11 – 13, South Florida Water Management District (SFWRMD) staff collected routine monthly routine HAB monitoring samples at Lake George, Crescent Lake – Crescent City Boat Ramp, Blue Cypress Lake, Stick Marsh North, St. Johns River – 2930 SR 13, St. Johns River – Mandarin Point and Doctors Lake. The Lake George samples were co-dominated by Microcystis aeruginosa and Cylindrospermopsis raciborskii. And had a trace level (0.27 ppb) of cylindrospermopsin detected. The Crescent Lake – Crescent City Boat Ramp samples were co-dominated by Microcystis aeruginosa and Microcystis wesenbergii and had no cyanotoxins detected. The Doctors Lake samples were dominated by Microcystis aeruginosa and had a trace level (0.27 ppb) of cylindrospermopsin detected.

On 7/12, Orange County staff collected a sample from Cypress Lake. The sample had no dominant algal taxon and no cyanotoxins detected.

On 7/11-13, South Florida Water Management District (SFWRMD) staff collected samples from the C-36 Canal, 997, C-36 Canal and C-397 Structures. Lake Okeechobee - SJRWMD structures (six sites) and Lake Okeechobee - 500' Structures (three sites). None of the samples had cyanotoxins detected. The Lake Okeechobee samples were dominated by Microcystis aeruginosa and Microcystis wesenbergii and had trace levels of microcystins ranging between 1.1 and 5.0 ppb. The Lake Okeechobee samples were dominated by Microcystis aeruginosa and had a trace level (0.25 ppb) of cylindrospermopsin detected. The Lake Monroe samples were dominated by Microcystis aeruginosa and Microcystis wesenbergii. With a trace level (0.88 ppb) of microcystins detected.

On 7/13, Orange County staff collected a sample from Cypress Lake. The sample had no dominant algal taxon and no cyanotoxins detected.

On 7/11, Highlands County staff collected a sample from Little Red Water Lake. The sample was dominated by Microcystis aeruginosa and had a trace level (0.88 ppb) of microcystins detected.

On 7/11 – 13, South Florida Water Management District (SFWRMD) staff collected samples from the C-36 Canal – 997, C-36 Canal – C-397 Structures (six sites) and Lake Okeechobee - 500' Structures (three sites). None of the samples had a dominant algal taxon or cyanotoxins detected.

On 7/11 - 12, Florida Department of Environmental Protection (DEP) staff collected samples from Tiger Lake, 183rd Canal - off Cross Creek, Lochloosa Lake (three locations), Violet Lake, Lake Marion, Alachua County - Alligator River, Harbor Island Lake (three locations), Lake Monroe - Mason Pump Slough inlet, Lake Martin - north side, Isle Fish, Lake Hanover, Lake Inhavens, Lake Mann and Lake Starkey. The Tiger Lake sample was dominated by Microcystis aeruginosa and had a trace level (0.1 parts per billion (ppb)) of microcystins detected. The 183rd Canal – off Cross Creek sample was dominated by Microcystis aeruginosa and had no cyanotoxins detected. The three Lochloosa Lake samples were each co-dominated by Microcystis aeruginosa and Microcystis wesenbergii, and had trace levels of microcystins ranging between 1.1 and 5.0 ppb. The Violet Lake sample was dominated by Phormidium sp. and had a trace level (0.25 ppb) of cylindrospermopsin detected. The Lake Marion sample was dominated by Microcystis aeruginosa and Microcystis wesenbergii and had a trace level (0.25 ppb) of microcystins detected. The Alligator River – Alligator River Slough Park sample had no dominant algal taxon and no cyanotoxins detected. The Harbor Island Lake samples were each dominated by Microcystis aeruginosa and had microcystin concentrations, ranging from 4.6 to 10.0 ppb. The Lake Mann - Mason Pump Slough inlet algal mat sample was dominated by Oxytricha sp. and the Lake Mann - north lake algal sample was dominated by Oxytricha sp. and Spingrilla sp. Neither sample had cyanotoxins detected. The Violet Lake, Lake Hanover, Lake Inhavens, Lake Mann and Lake Sue analytical results are still pending.

On 7/11 - 12, St. Johns River Water Management District (SJRWMD) staff collected routine monthly routine HAB monitoring samples at Lake George, Crescent Lake – Crescent City Boat Ramp, Blue Cypress Lake, Stick Marsh North, St. Johns River – 2930 SR 13, St. Johns River – Russel Park, Lake Wauberg, Lake Okeechobee and Lake Monroe. None of the samples had cyanotoxins detected. The Lake Okeechobee samples were dominated by Microcystis aeruginosa and Microcystis wesenbergii and had trace levels of microcystins ranging between 1.1 and 5.0 ppb. The Lake Okeechobee samples were dominated by Microcystis aeruginosa and had a trace level (0.25 ppb) of cylindrospermopsin detected. The Lake Monroe samples were dominated by Microcystis aeruginosa and Microcystis wesenbergii. With a trace level (0.88 ppb) of microcystins detected.

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