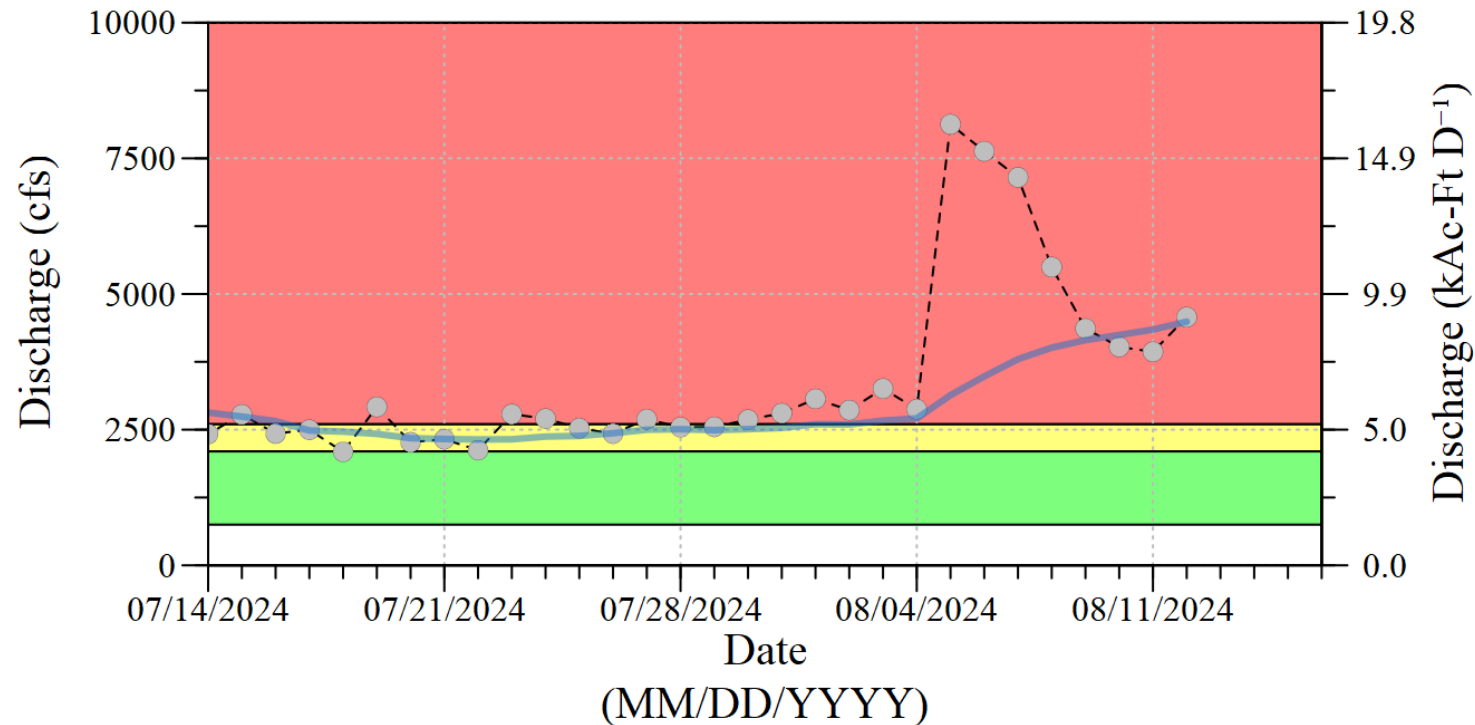


# **Lake Okeechobee Periodic Scientist Call**

Paul Julian

2024-08-13

# Caloosahatchee River Estuary



RECOVER PM

Damaging (>2600 cfs)

Stress (2100 - 2600 cfs)

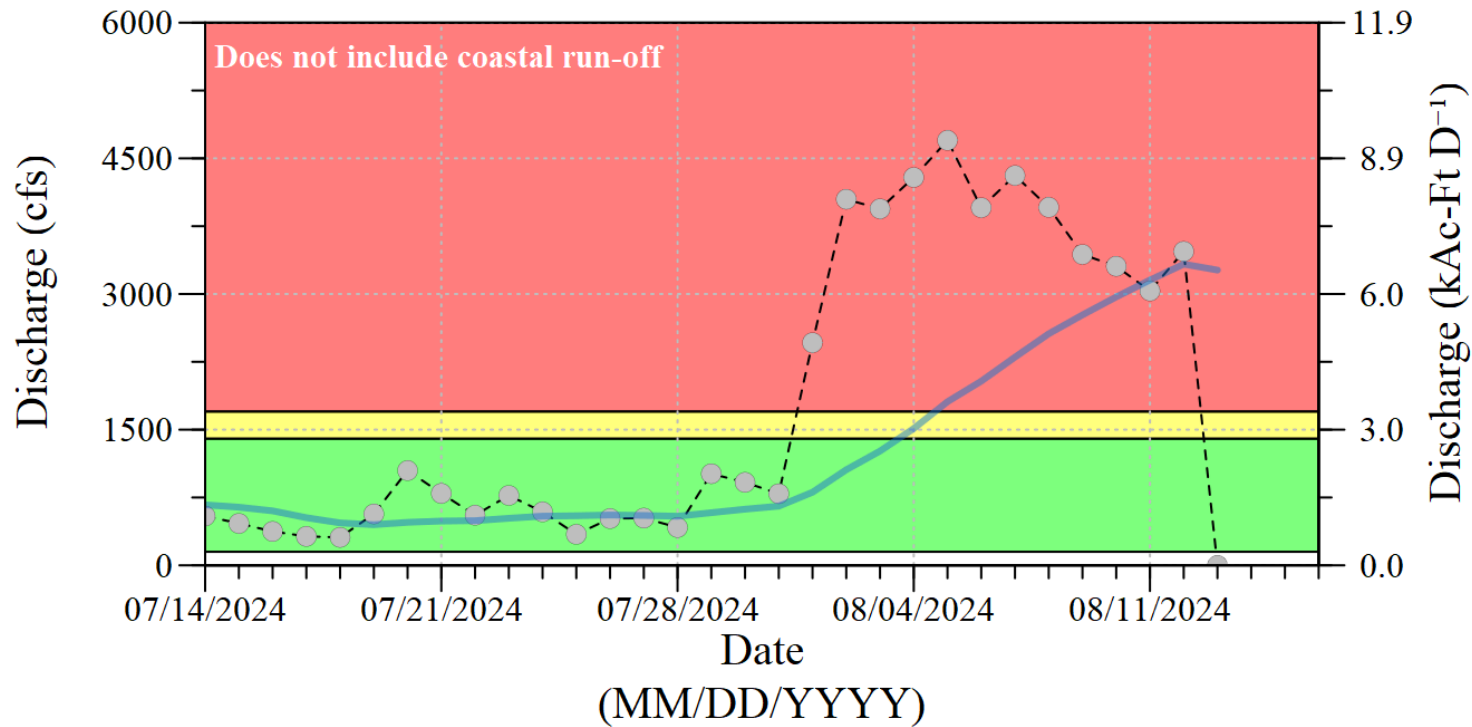
Optimum (750 - 2100 cfs)

Daily Discharge (S79)

14-Day moving average

Daily and 14-day moving average discharge for S-79 relative to the Northern Estuaries RECOVER performance measure for the recent 30-day period.

# St Lucie River Estuary



RECOVER PM

- Damaging (>1700 cfs)
- Stress (1400 - 1700 cfs)
- Optimum (150 - 1400 cfs)

- Daily Discharge (S80, Gordy Rd, S49, S48)
- 14-Day moving average

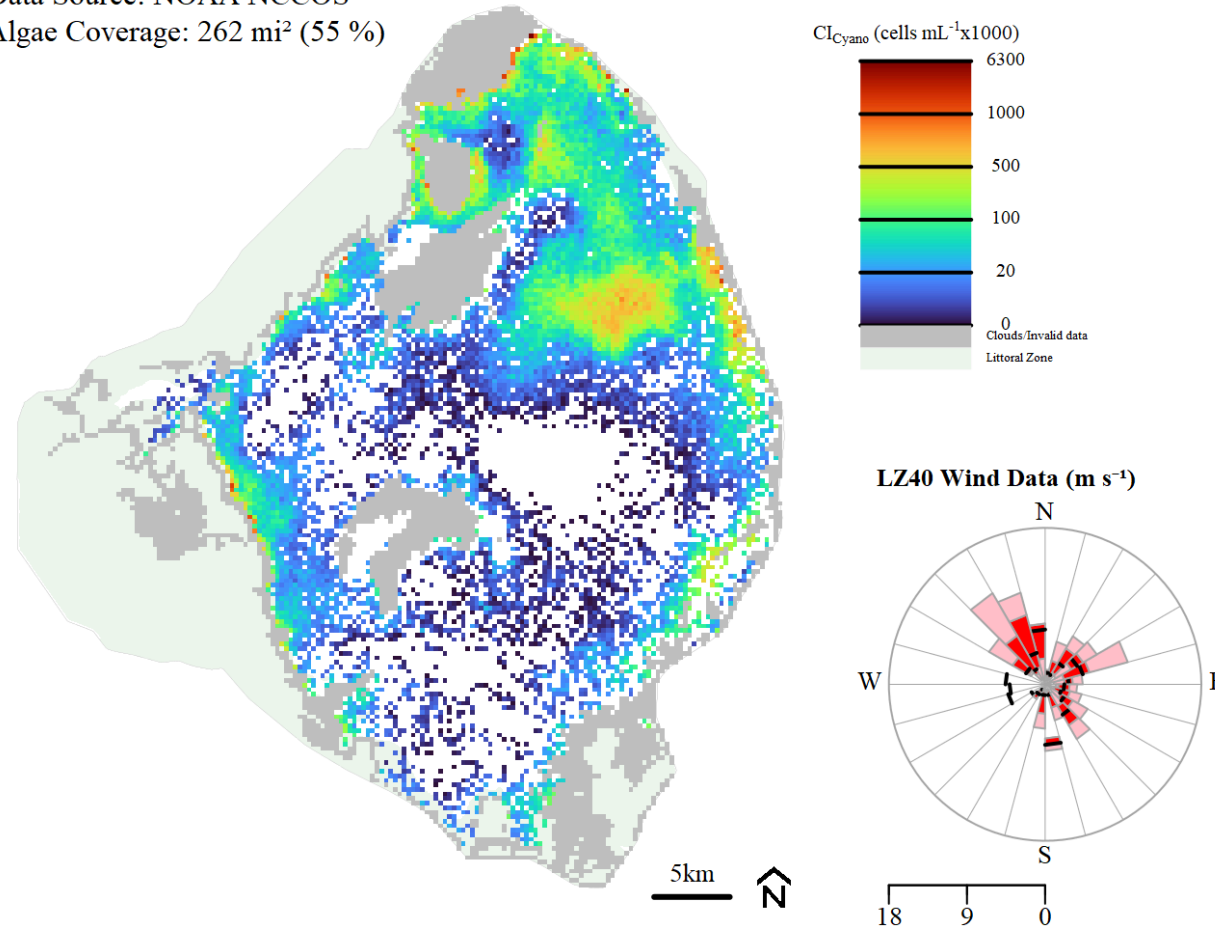
Daily and 14-day moving average discharge for north and south fork relative to the Northern Estuaries RECOVER performance measure for the recent 30-day period.

# Lake Okeechobee cHAB

Date: 08-12-2024

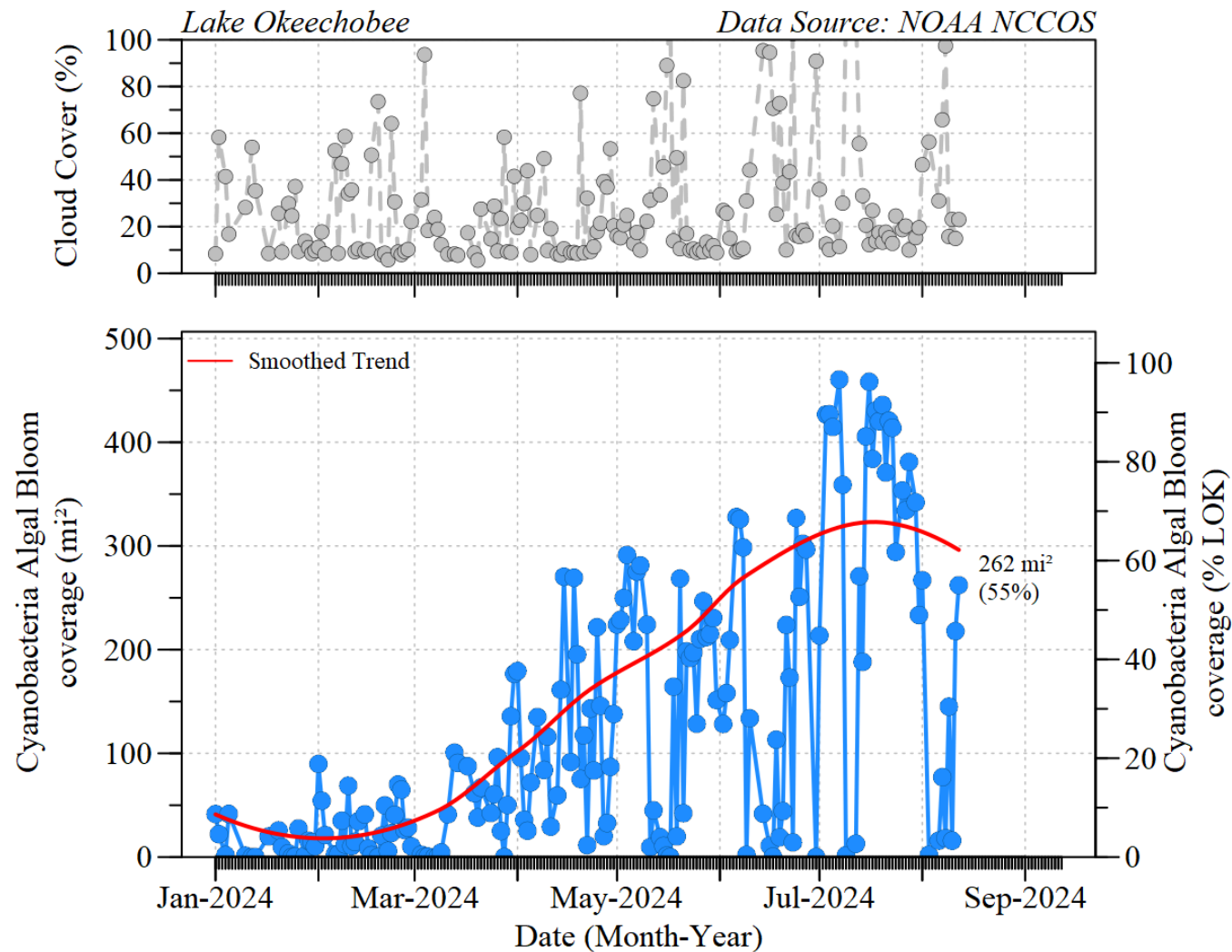
Data Source: NOAA NCCOS

Algae Coverage: 262 mi<sup>2</sup> (55 %)



Cyanobacteria Algal Index across Lake Okeechobee. Percent area based on open water coverage (Lake Area minus Littoral Zone). Windrose plot (bottom right) summarizing breakpoint wind data for the last 3 days using Tukey five-number summarise (i.e. boxplot). HAB Data from NOAA NCCOS HAB data explorer. Wind Data from SFWMD site LZ40. Data are provisional and subject to change.

# Lake Okeechobee cHAB



Daily cloud cover and cyanobacteria algal bloom coverage of Lake Okeechobee. Percent area based on open water coverage (Lake Area minus Littoral Zone). Data from NOAA NCCOS HAB data explorer. Data are provisional and subject to change.

