



Lake Erie Harmful Algal Bloom Bulletin

06 November, 2017, Bulletin 34

****Note:** As of today, Monday, November 6, twice weekly bulletins for Lake Erie will no longer be issued due to the absence of detectable *Microcystis* concentrations. Twice weekly bulletins will resume as conditions warrant. **

The cyanobacteria bloom is no longer detectable in western Lake Erie. *Microcystis* is not visible in recent satellite imagery and toxins are no longer being produced.

Forecast winds (7-20kn) today through Wednesday (11/6-8) may cause mixing. The water temperature is below 59°F (15°C) and will continue to decrease, which should discourage the growth of any cyanobacteria that remain in Lake Erie.

Please check Ohio EPA's site on harmful algal blooms for safety information: <http://epa.ohio.gov/habalgae.aspx>. NOAA's GLERL provides additional HAB data: https://www.glerl.noaa.gov/res/HABs_and_Hypoxia.

-Ludema, Davis

The images below are "GeoPDF". To see the longitude and latitude under your cursor, select "Tools > Analyze > Geospatial Location Tool".

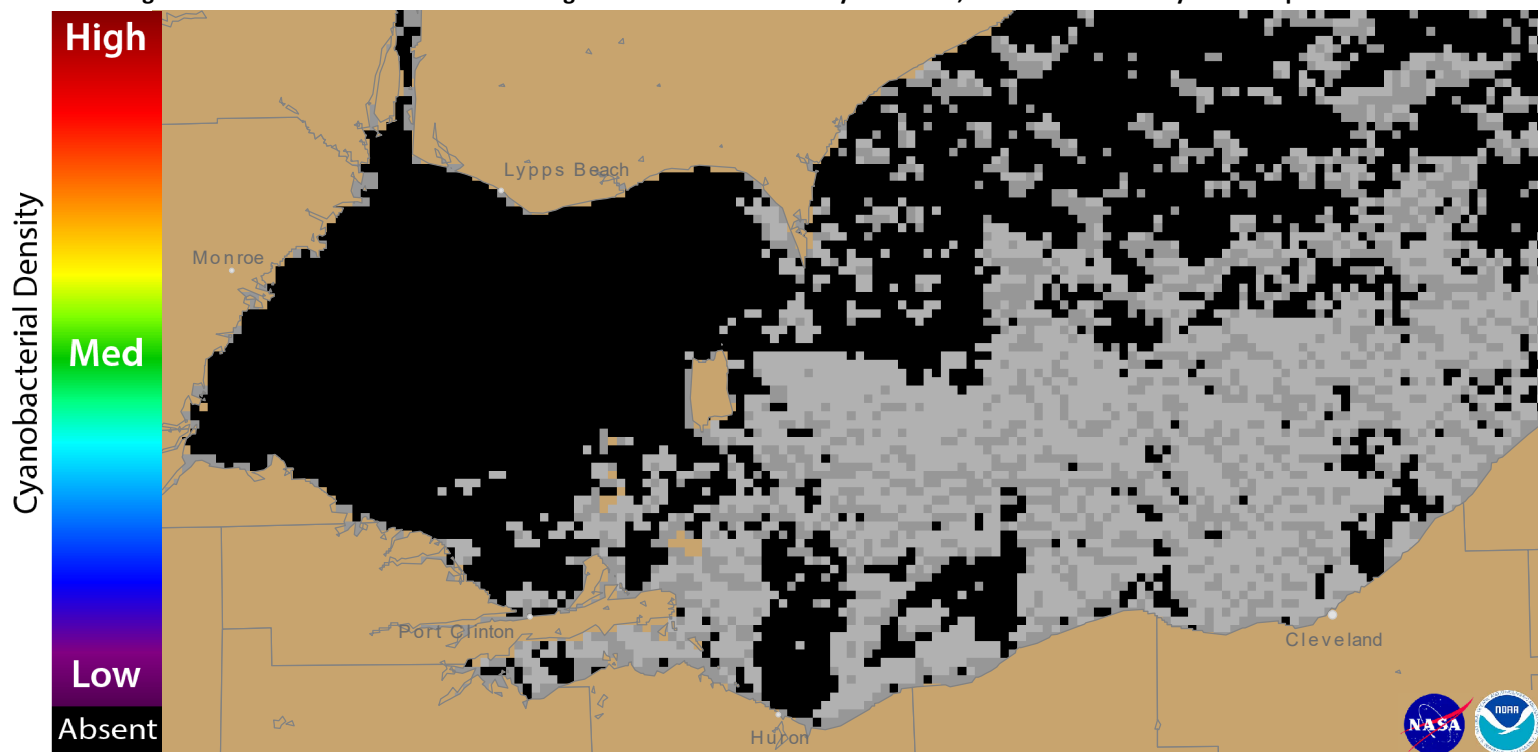
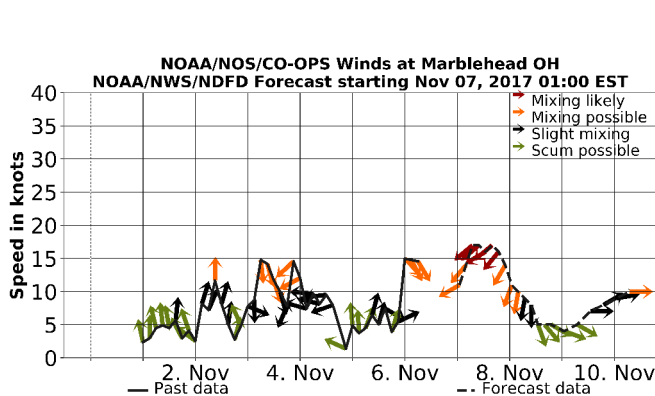


Figure 1. Cyanobacterial Index from NASA MODIS-Aqua data collected 03 November, 2017 at 12:50 EST. Grey indicates clouds or missing data. The estimated threshold for cyanobacteria detection is 20,000 cells/mL.



Wind speed and direction from Marblehead, OH. Blooms mix through the water column at wind speeds greater than 15 knots (or 7.7 m/s).

