



Lake Erie Harmful Algal Bloom Bulletin

10 October, 2019, Bulletin 30

****Note:** As of today, Thursday, October 10, twice weekly bulletins for Lake Erie will no longer be issued. Sampling is being discontinued by GLERL and conditions in Lake Erie are no longer favorable for blooms of *Microcystis*. We will track conditions and resume bulletin production if conditions warrant.**

Microcystis is no longer visible in recent satellite imagery. Sampling this week indicates toxin concentrations continue to decrease and are below the detectable limit at most stations.

Forecast winds (9-18 kn) today through Monday (10/10-14) will likely cause mixing of any remaining *Microcystis* concentrations. The water temperature in the western basin remains below 68°F (20°C), which will continue to decrease any remaining *Microcystis* concentrations. -Davis, Keeney

Additional Resources

To find a safe place for recreation, visit the Ohio DOH "BeachGuard" site: <http://publicapps.odh.ohio.gov/beachguardpublic/>

Ohio EPA's site on harmful algal blooms: <http://epa.ohio.gov/HAB-Algae>

NOAA's GLERL provides additional HAB data here: http://www.glerl.noaa.gov/res/HABs_and_Hypoxia

The images below are "GeoPDF". Please visit <https://go.usa.gov/xReTC> for instructions on viewing longitude and latitude.

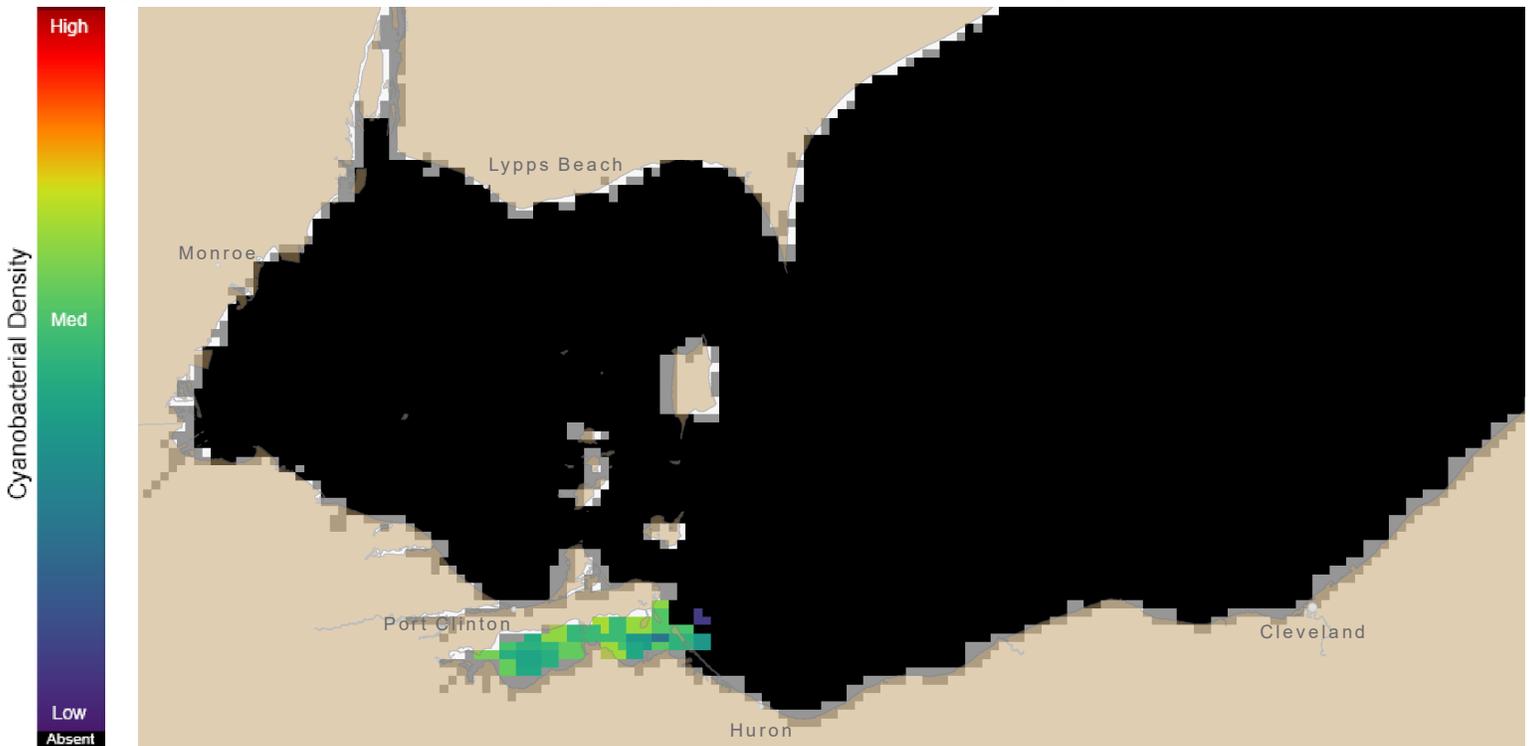
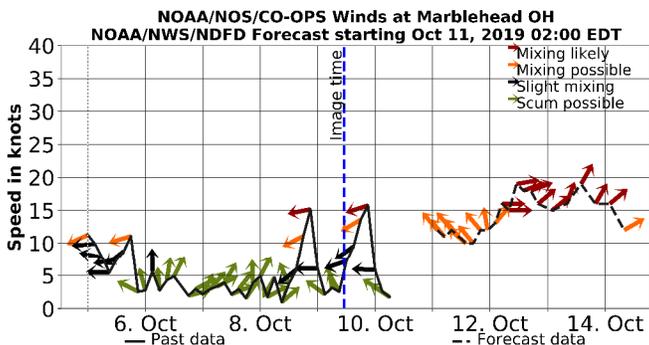
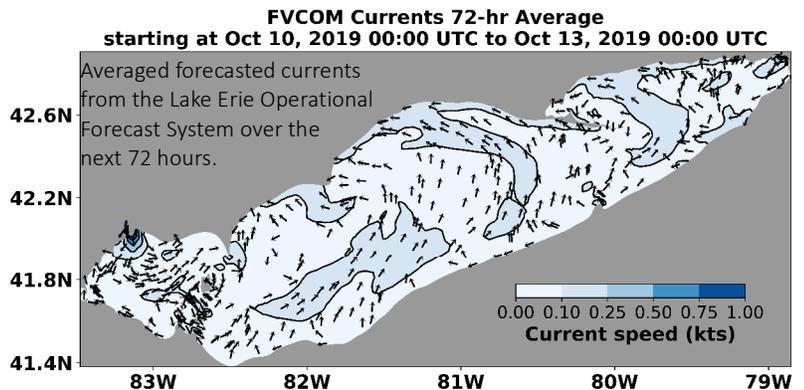


Figure 1. Cyanobacterial Index from NASA MODIS-Terra data collected 09 October, 2019 at 11:48 EST. Grey indicates clouds or missing data. The estimated threshold for cyanobacteria detection is 20,000 cells/mL.



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).



For more information and to subscribe, please visit the NOAA HAB Forecast page: <https://tidesandcurrents.noaa.gov/hab/lakeerie.html>