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).