



Experimental Lake Erie Harmful Algal Bloom Bulletin

National Centers for Coastal Ocean Science and Great Lakes Environmental Research Laboratory

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Possible cyanobacteria was spotted east of Cleveland last week. Due to clouds we have a limited set of images this week. There is no visible bloom in the western basin.

In the July 9th image included here, Lake Erie was on the far edge of the satellite view (far off-nadir, causing the rectangular blockiness in the pixels). It indicates that a bloom of unidentified algae may have been in the area. This was approximately 10 miles north of Lorian/Avon Lake.

- Dupuy, Stumpf, Wynne, Briggs

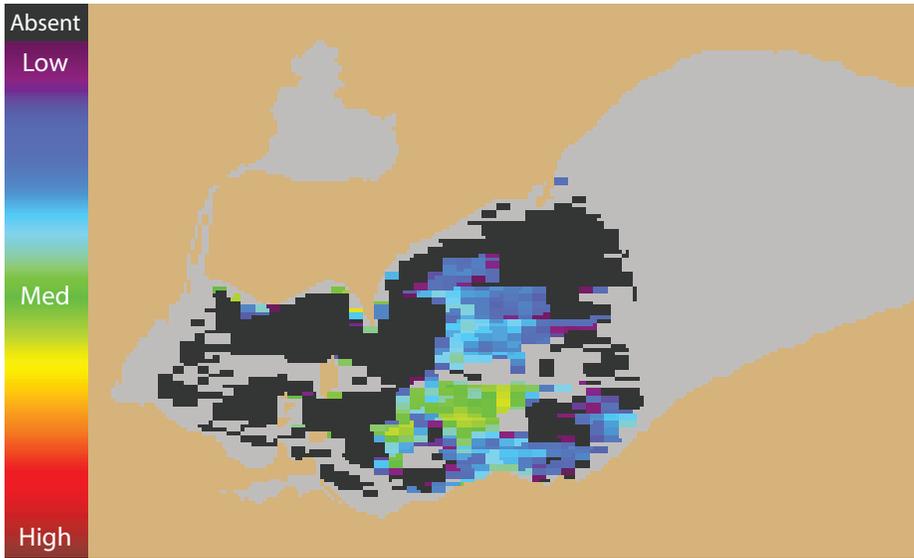
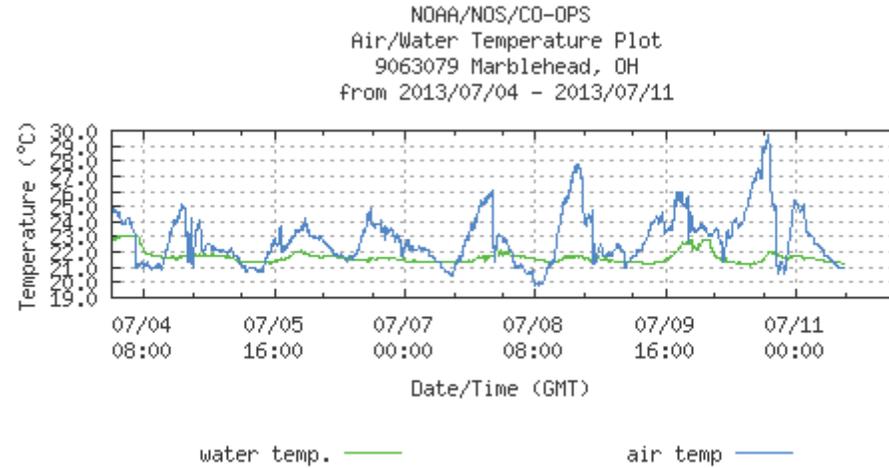
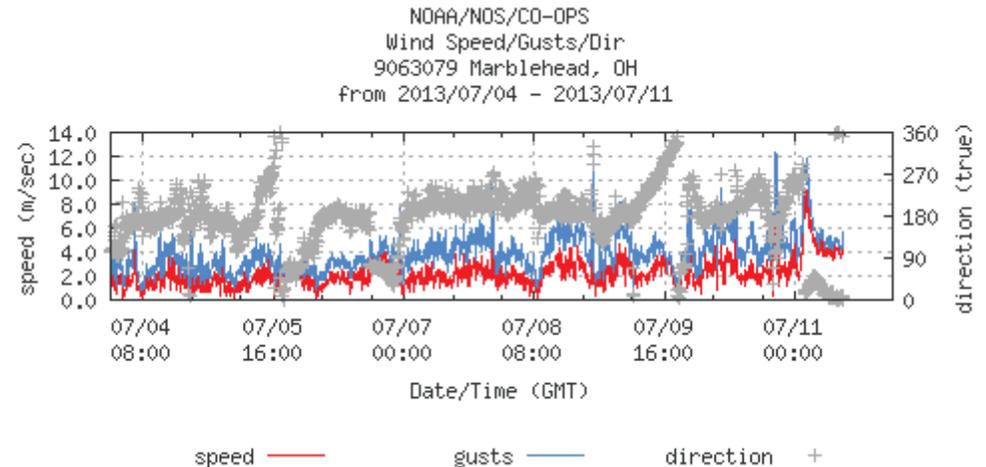
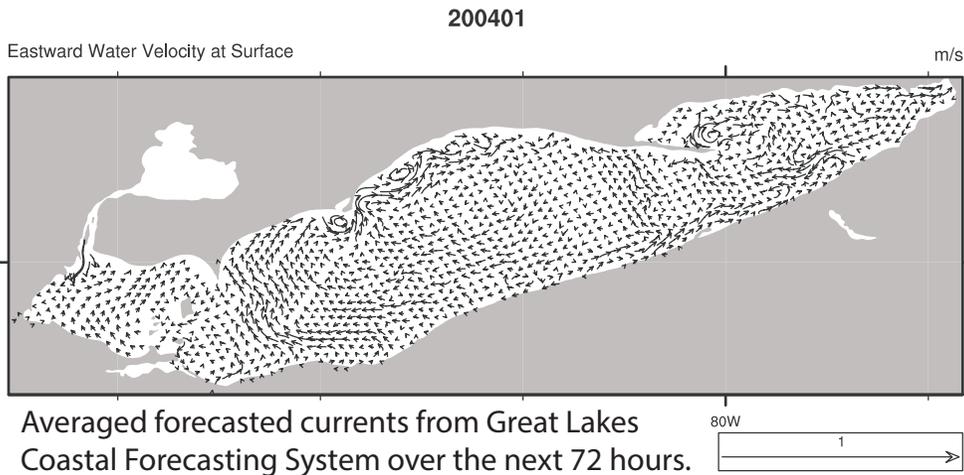


Figure 1. MODIS Cyanobacterial Index from 9 July 2013. Grey indicates clouds or missing data. Black represents no cyanobacteria detected. Colored pixels indicate the presence of cyanobacteria. Cooler colors (blue and purple) indicate low concentrations and warmer colors (red, orange, and yellow) indicate high concentrations. The estimated threshold for cyanobacteria detection is 35,000 cells/mL.



Air and Water Temperature from Marblehead, OH. From: NOAA/Center for Operational Oceanographic Products and Services (CO-OPS).



Wind Speed, Gusts and Direction from Marblehead, OH. From: NOAA/Center for Operational Oceanographic Products and Services (CO-OPS).