



Experimental Lake Erie Harmful Algal Bloom Bulletin

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

27 June 2013; Bulletin 04

Note there has been no clear imagery since the release of last week's bulletin. The linear features in the central basin are a result of glint and sensor noise. Elevated levels of microcystin and chlorophyll-a have been reported in Maumee Bay. This bloom has not been detected in the imagery indicating the bloom is very localized.

- Dupuy, Wynne, Briggs, Stumpf

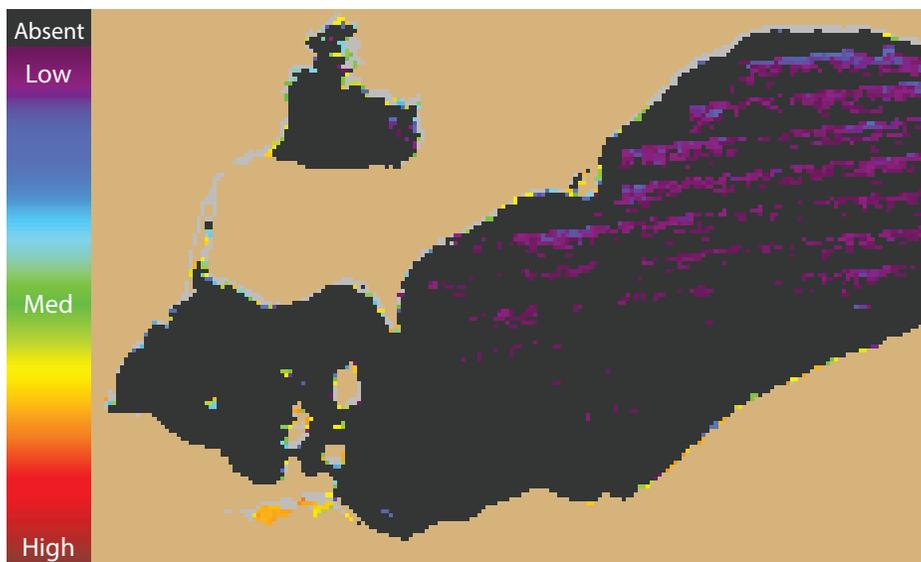
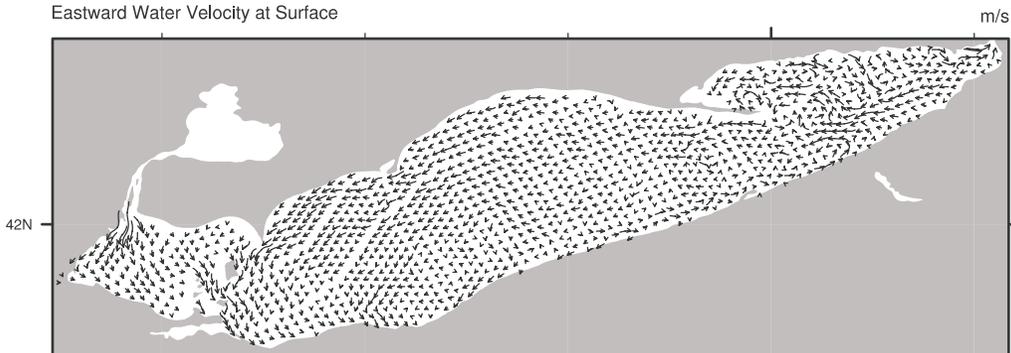


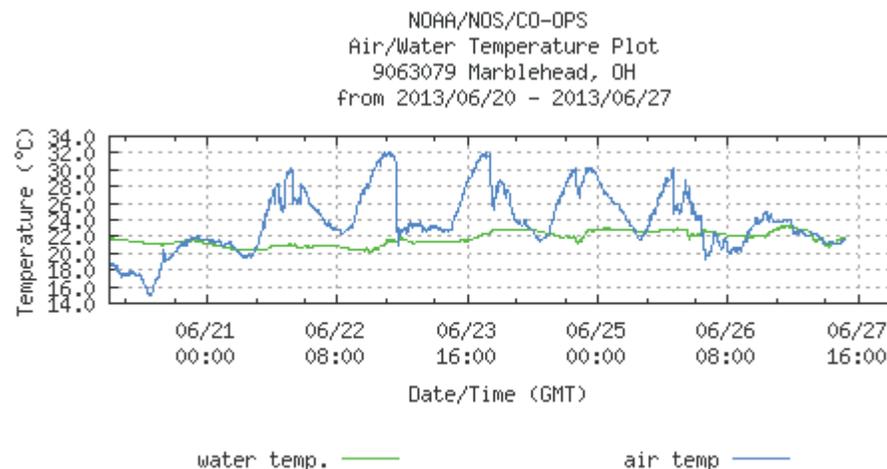
Figure 1. MODIS Cyanobacterial Index from 20 June 2013. Grey indicates clouds or missing data. Black represents no cyanobacteria detected. Colored pixels indicate the presence of cyanobacteria. Cooler colors (blue and purple) indicate low concentrations and warmer colors (red, orange, and yellow) indicate high concentrations. The estimated threshold for cyanobacteria detection is 35,000 cells/mL.

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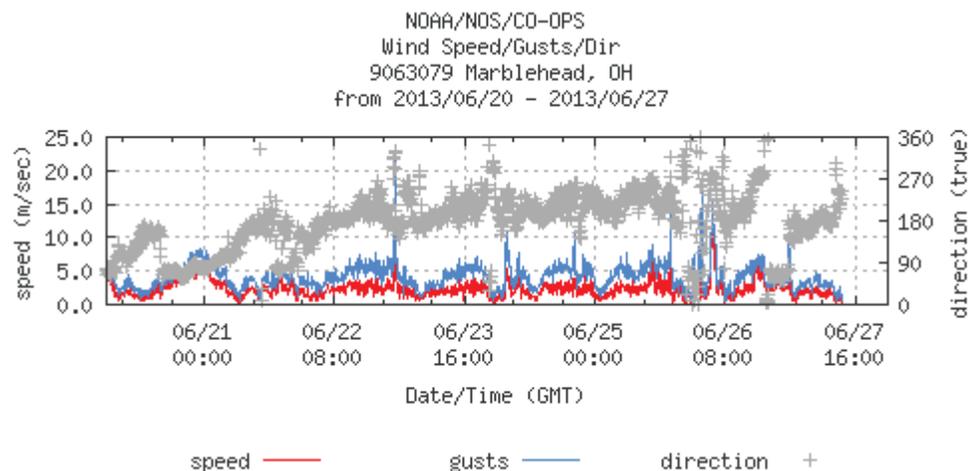
Eastward Water Velocity at Surface



Averaged forecasted currents from Great Lakes Coastal Forecasting System over the next 72 hours.



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).