



# Experimental Lake Erie Harmful Algal Bloom Bulletin

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

20 August 2012; Bulletin 12

The Ohio EPA confirmed the presence of a *Microcystis* bloom in western Lake Erie. The city of Monroe, Michigan reported phycocyanin concentrations of 979 cells/mL last week. The imagery shows slight intensification of the bloom since last week's bulletin. The model forecasts for a slight S SW movement.

- Dupuy, Wynne, Briggs

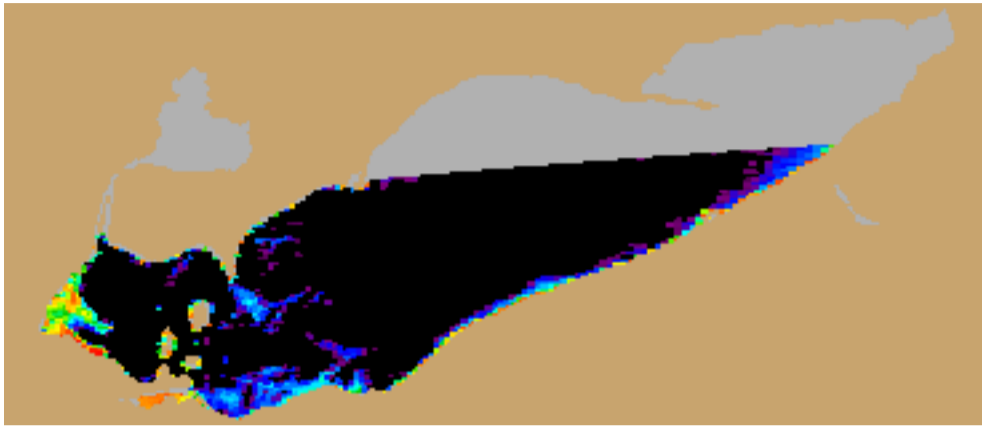


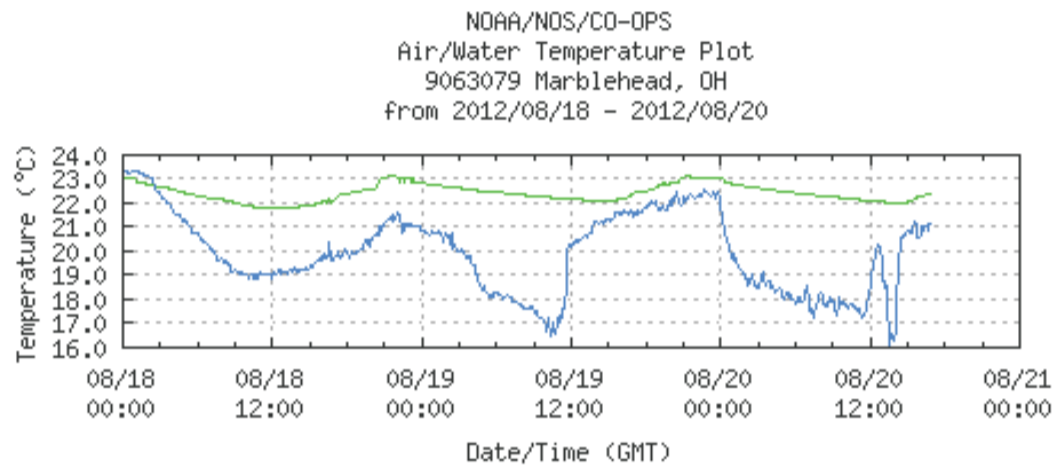
Figure 1. MODIS Cyanobacterial Index from 18 August 2012.



Figure 2. Nowcast position of bloom for 20 August 2012 using GLCFS modeled currents to move the bloom from the 18 August 2012 image.



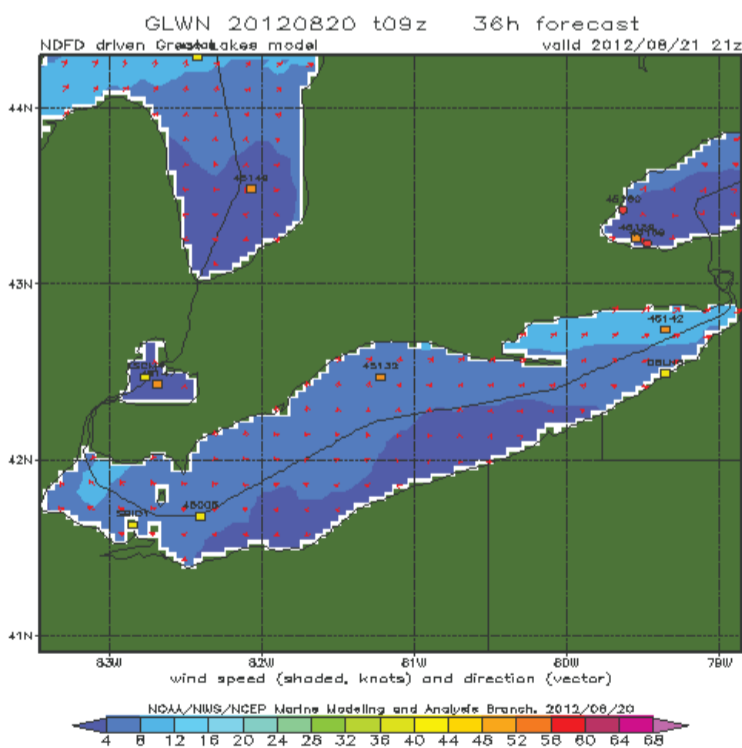
Figure 3. Forecast position of bloom for 23 August 2012 using GLCFS modeled currents to move the bloom from the 18 August 2012 image.



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

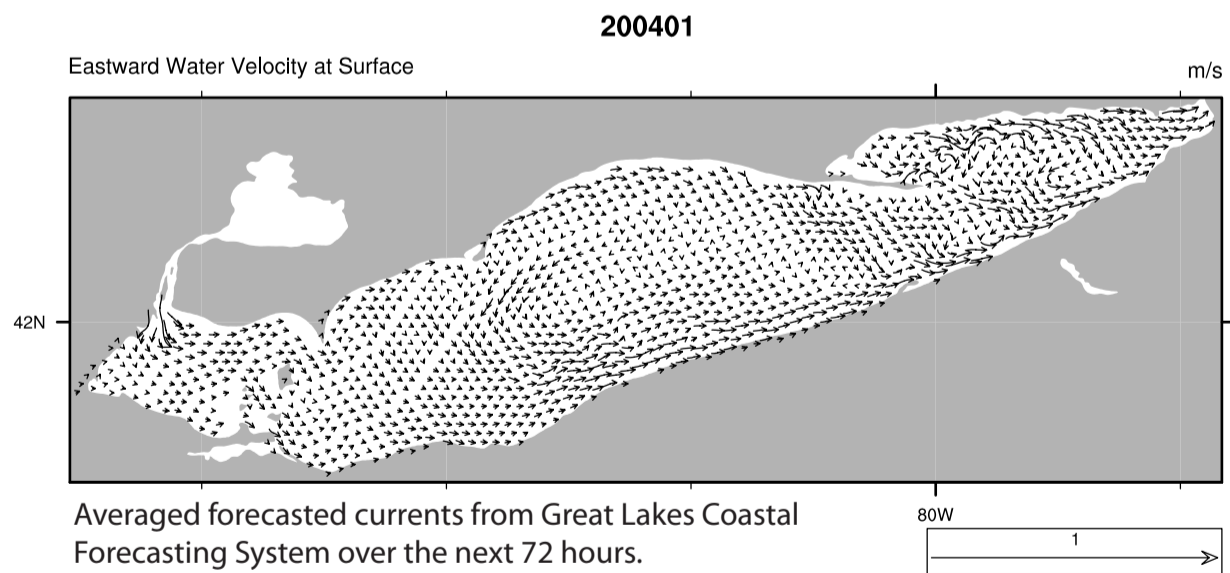
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NDFD forecast wind conditions from 20 August 2012.

From: NOAA/National Centers for Environmental Prediction (NCEP)



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