



Experimental Lake Erie Harmful Algal Bloom Bulletin

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

11 September 2012; Bulletin 15

The bloom has intensified since last week's bulletin. Imagery showed scum areas between Maumee Bay and Monroe on Sep 09 and Sep 10. U.Toledo reports *Microcystis* is present in this area. Low concentrations may have reached the western part of the Bass Islands. We forecast for a N-NE transport.

- Dupuy, Wynne, Briggs, Stumpf

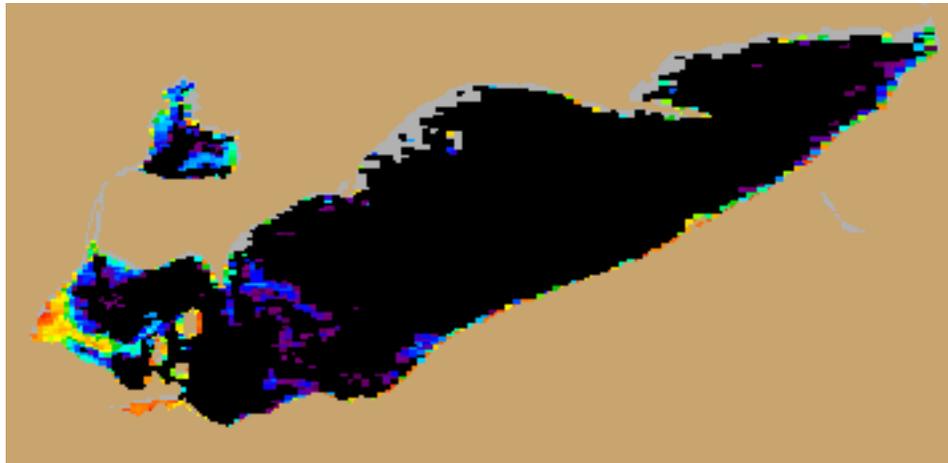


Figure 1. MODIS Cyanobacterial Index from 10 September 2012.



Figure 2. Nowcast position of bloom for 12 September 2012 using GLCFS modeled currents to move the bloom from the 10 September 2012 image.

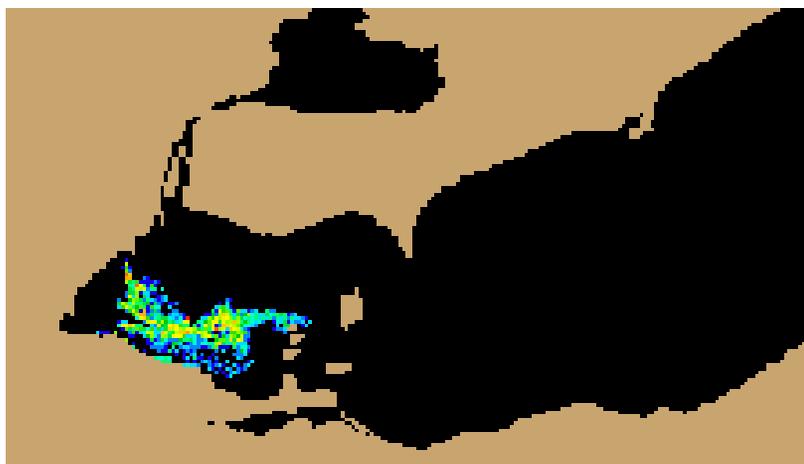
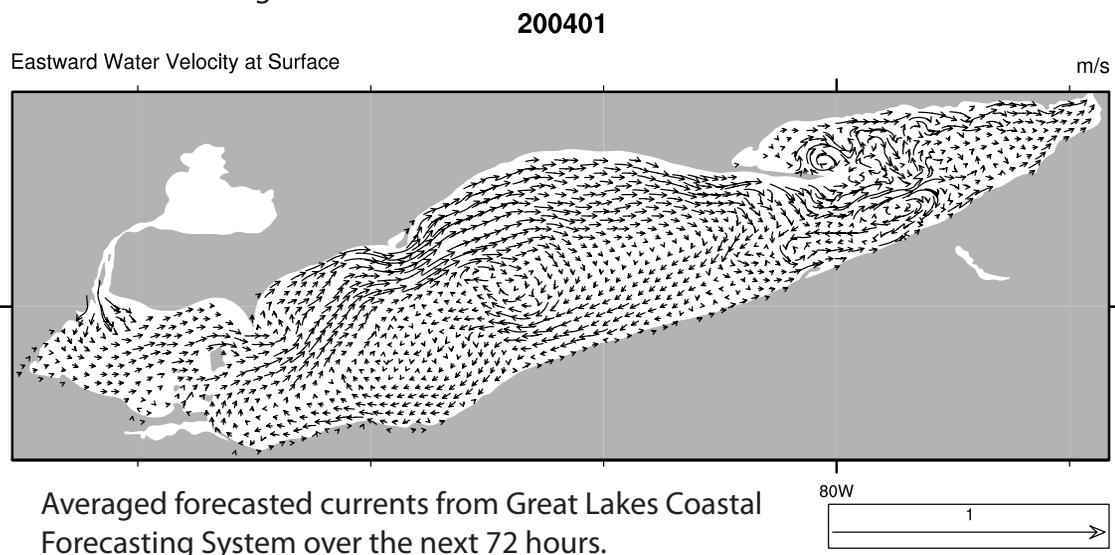


Figure 3. Forecast position of bloom for 15 September 2012 using GLCFS modeled currents to move the bloom from the 10 September 2012 image.

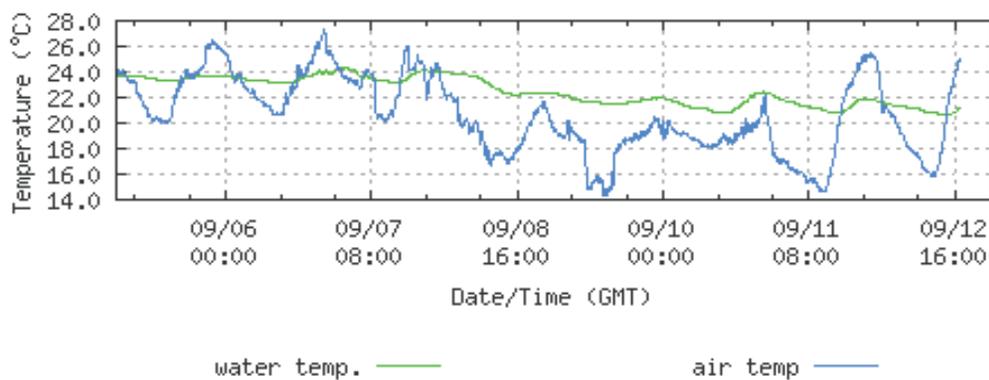


Averaged forecasted currents from Great Lakes Coastal Forecasting System over the next 72 hours.

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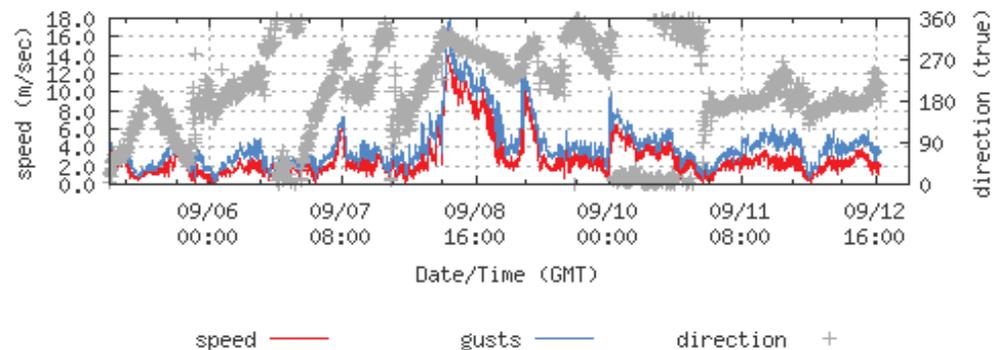
http://www.glerl.noaa.gov/res/Centers/HABS/lake_erie_hab/signup.php

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
9063079 Marblehead, OH
from 2012/09/05 - 2012/09/12



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

NOAA/NOS/CO-OPS
Wind Speed/Gusts/Dir
9063079 Marblehead, OH
from 2012/09/05 - 2012/09/12



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

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