

Experimental Lake Erie Harmful Algal Bloom Bulletin

2010-002

17 June 2010

National Ocean Service

Great Lakes Environmental Research Laboratory

Last bulletin: 10 June 2010

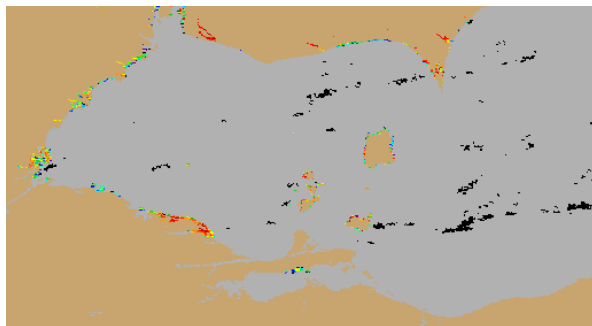


Figure 1. MERIS image from the European Space Agency. Imagery shows the spectral shape at 681 nm from June 13, where colored pixels indicate the likelihood of the last known position of the *Microcystis* spp. bloom (with red being the highest concentration). *Microcystis* spp. abundance data from shown as white squares (very high), circles (high), diamonds (medium), triangles (low) , + (very low) and X (not present).



Figure 2. Nowcast position of *Microcystis* spp. bloom for June 17 using GLCFS modeled currents to move the bloom from the June 13 image.

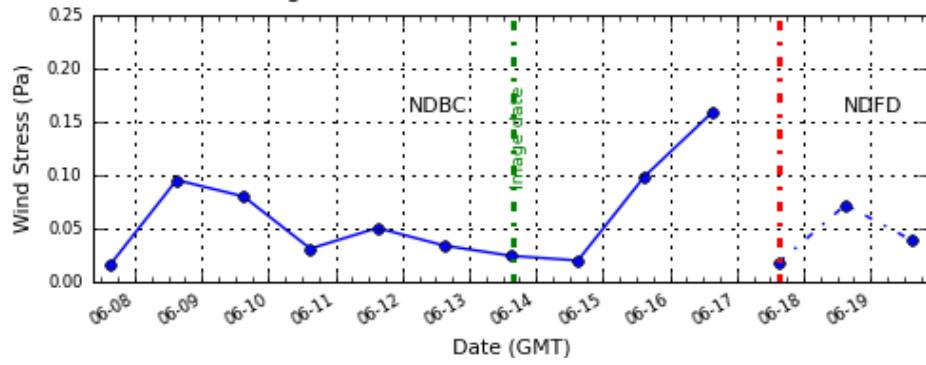


Figure 3. Forecast position of *Microcystis* spp. for June 20 using GLCFS modeled currents to move the bloom from June 13 image.

Please note:

- MERIS imagery was distributed by the NOAA CoastWatch Program and provided by the European Space Agency
- http://www.glerl.noaa.gov/res/Centers/HABS/lake_erie_hab/lake_erie_hab.html
- Cell counts were collected by the Great Lakes Environmental Research Laboratory
- The wind data is available through the National Data Buoy Center and the National Weather Service
- Modeled currents were provided through the Great Lakes Coastal Forecasting System

Average wind stress at SBIO1 - South Bass Island



Average water temperature at 45005 - W Erie 28NM Northwest of Cleveland

