



## Experimental Lake Erie Harmful Algal Bloom Bulletin

2011-021

27 October 2011

National Ocean Service

Great Lakes Environmental Research Laboratory

Last bulletin: 20 October 2011

*Conditions:* [GLERL HAB Bulletin](#) There still may be a very small bloom of *Microcystis* in the eastern portion of western Lake Erie, in the vicinity of Lorain, OH.

*Analysis:* The bloom has mostly dissipated from the lake. There may still be low concentrations NW of Cleveland. Falling water temperatures and forecasted moderate wind speeds will likely further dissipate the remnants of the bloom.

Wynne, Briggs

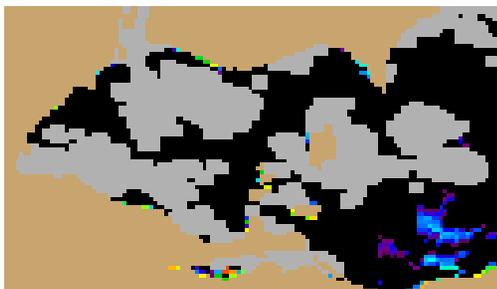


Figure 1. MERIS image from the European Space Agency. Imagery shows the spectral shape at 681 nm from October 25, where colored pixels indicate the likelihood of the last known position of the *Microcystis* spp. bloom (with red being the highest concentration). *Microcystis* spp. abundance data from shown as white squares (very high), circles (high), diamonds (medium), triangles (low) , + (very low) and X (not present). Please note: Colored pixels in Sandusky Bay are due to a mixed bloom dominated by *Planktothrix* spp.

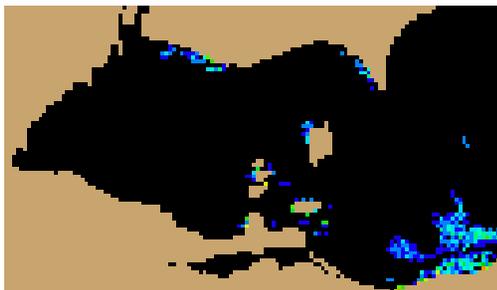


Figure 2. Nowcast position of *Microcystis* spp. bloom for October 27 using GLCFS modeled currents to move the bloom from the October 25 image. Please note: Colored pixels in Sandusky Bay are due to a mixed bloom dominated by *Planktothrix* spp.

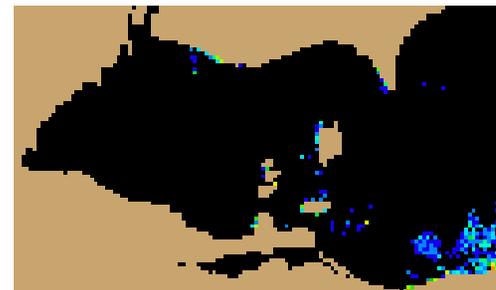


Figure 3. Forecast position of *Microcystis* spp. for October 30 using GLCFS modeled currents to move the bloom from October 25 image. Please note: Colored pixels in Sandusky Bay are due to a mixed bloom dominated by *Planktothrix* spp.

---

Please note:

- MERIS imagery was distributed by the NOAA CoastWatch Program and provided by the European Space Agency
- 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

