Figure 1. MERIS image from the European Space Agency. Imagery shows the spectral shape at 681 nm from July 10, 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 July 14 using GLCFS modeled currents to move the bloom from the July 10 image.

Figure 3. Forecast position of Microcystis spp. for July 17 using GLCFS modeled currents to move the bloom from July 10 image.

Conditions: There are no harmful algal blooms reported at this time. No impacts expected.

Analysis: There have been no reports of a Microcystis bloom at this time. Water temperatures are forecasted to remain near 25 C, which is conducive for a cyanobacterial bloom. Imagery indicates what might be the beginning of a small unidentified bloom just south of Allens Cove. The three day forecast suggests an east-southeast transport of the unidentified feature.

-Briggs, Wynne
Average wind stress at SBIO1 - South Bass Island

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