There is no reported Harmful Algal Bloom at this time in the Western Basin of Lake Erie. Imagery indicates an unconfirmed bloom in Sandusky Bay. The particle tracking forecast will return when there is a visible feature to forecast in the imagery.

-Tomlinson

Figure 1. MODIS Cyanobacterial Index from 22 June 2014. Grey indicates clouds or missing data. Black represents no cyanobacteria detected. Colored pixels indicate the presence of cyanobacteria. Cooler colors (blue and purple) indicate low concentrations and warmer colors (red, orange, and yellow) indicate high concentrations. The estimated threshold for cyanobacteria detection is 35,000 cells/mL.

Wind Speed, Gusts and Direction from Marblehead, OH. From: NOAA/Center for Operational Oceanographic Products and Services (CO-OPS). Note: 1 knot = 0.51444 m/s. Blooms mix through the water column at wind speeds greater than 7.7 m/sec (~ 15 knots).

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

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

For more information and to subscribe to this bulletin, go to: http://www.glerl.noaa.gov/res/centers/HABS/lake_erie_hab/lake_erie_hab.html