



Experimental Lake Erie Harmful Algal Bloom Bulletin

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

8 November 2013; Bulletin 25

The bloom has continued to weaken by the day. Water temperatures continue to drop. It is likely the bloom will be gone next week.

-Briggs

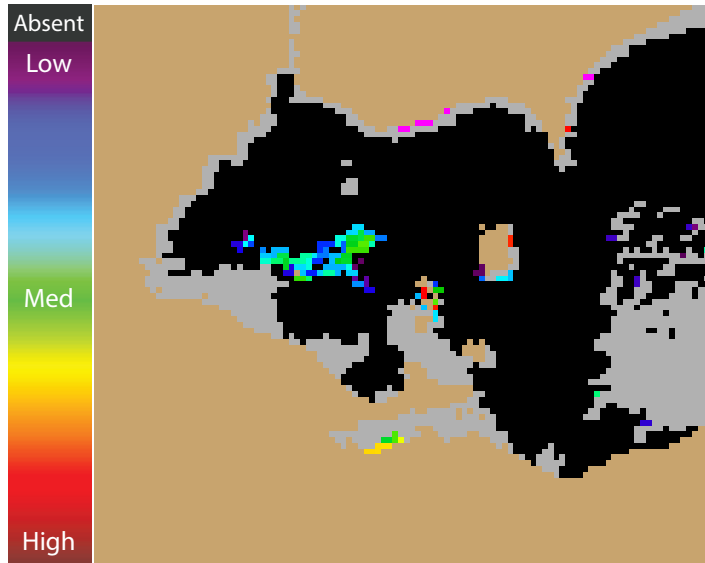
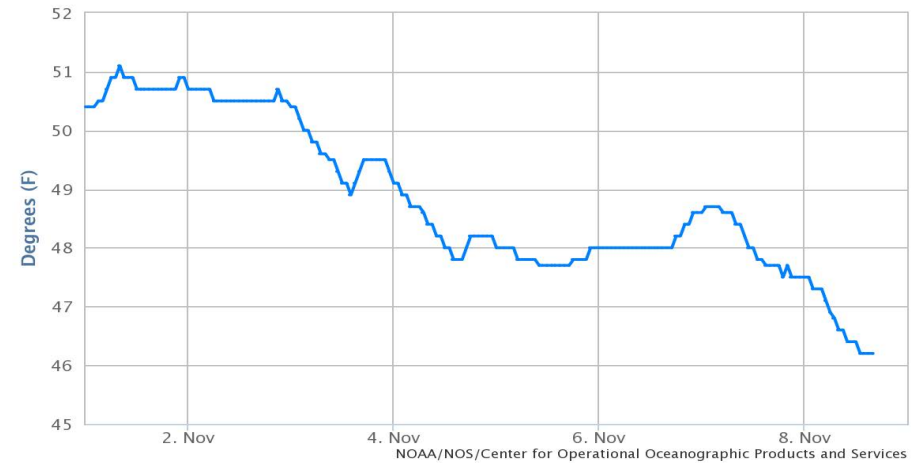


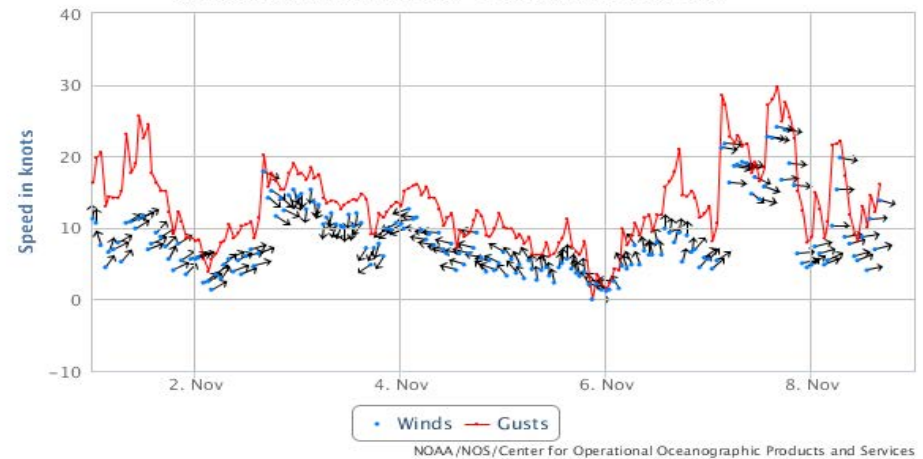
Figure 1. MODIS Cyanobacterial Index from 3 November 2013. Grey indicates clouds or missing data. Black represents no cyanobacteria detected. Colored pixels indicate the presence of cyanobacteria. Cooler colors (blue and purple) indicate low concentrations and warmer colors (red, orange, and yellow) indicate high concentrations. The estimated threshold for cyanobacteria detection is 35,000 cells/mL.

NOAA/NOS/CO-OPS
Water Temperature at 9063079, Marblehead OH
From 2013/11/01 00:00 GMT to 2013/11/08 23:59 GMT



Water Temperature from Marblehead, OH. From: NOAA/Center for Operational Oceanographic Products and Services (CO-OPS). Water temperatures have dropped below 59F (~15C), the threshold in which Microcystis stops growing.

NOAA/NOS/CO-OPS
Winds at 9063079, Marblehead OH
From 2013/11/01 00:00 GMT to 2013/11/08 23:59 GMT



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).