



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

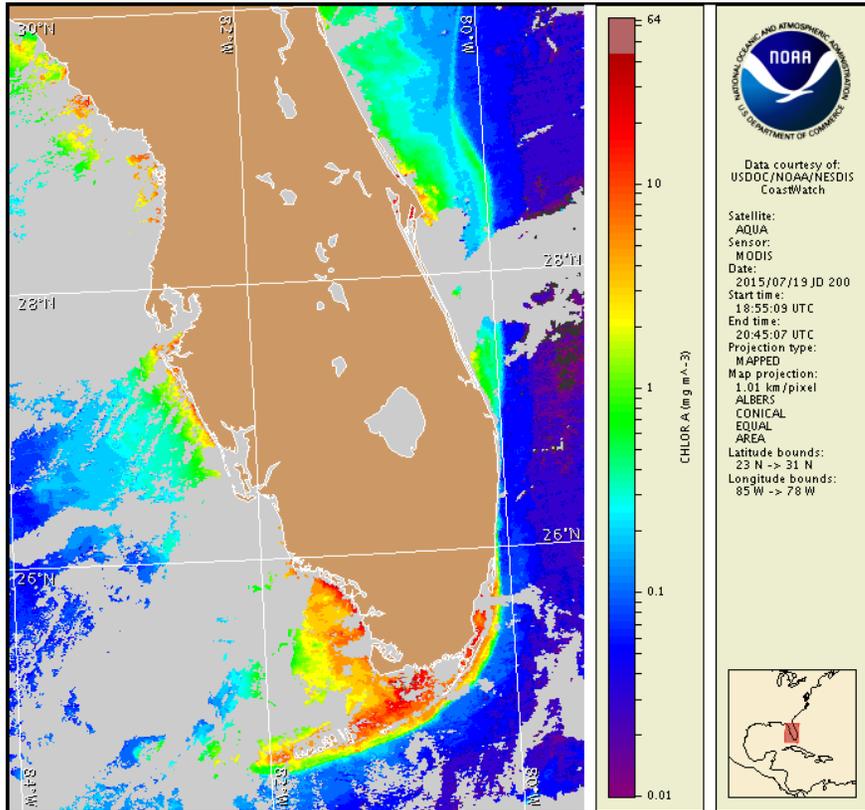
Monday, 20 July 2015

NOAA National Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, July 13, 2015



Satellite chlorophyll image with possible *K. brevis* HAB areas shown by red polygon(s), when applicable. P

Detailed sample information can be obtained through FWC Fish and Wildlife Research Institute at:

<http://myfwc.com/redtidestatus>

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit at: <http://tidesandcurrents.noaa.gov/hab/bulletins.html>

Conditions Report

Karenia brevis (commonly known as Florida red tide) ranges from not present to background concentrations along the coast of southwest Florida, and is not present in the Florida Keys. No respiratory irritation is expected alongshore southwest Florida Monday, July 20 through Monday, July 27.

Check http://tidesandcurrents.noaa.gov/hab/beach_conditions.html for recent, local observations.

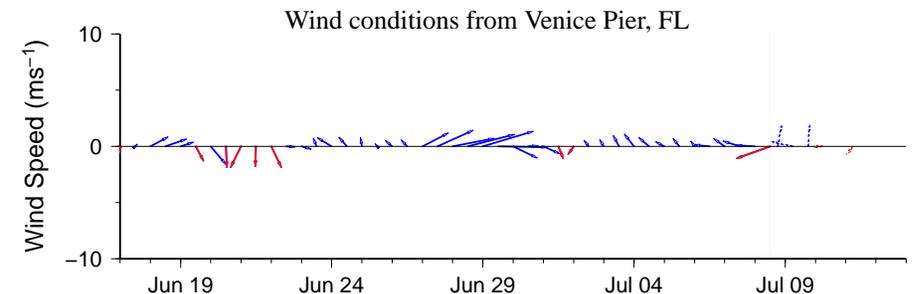
Analysis

Samples collected over the past week along- and offshore the coast of southwest Florida from Pinellas to Lee counties all indicate that *Karenia brevis* is not present (FWRI, MML; 7/9-7/17).

Recent MODIS Aqua imagery (7/19, shown left) is partially obscured by clouds along- and offshore southwest Florida, limiting analysis. Patches of elevated to high chlorophyll (2 to >10 µg/L) are visible along- and offshore Manatee to Charlotte counties and Monroe County. Elevated chlorophyll along the coast may be the result of various non-toxic blooms that have been reported throughout the region.

Harmful algal bloom formation at the coast of southwest Florida is not expected today through Monday, July 27.

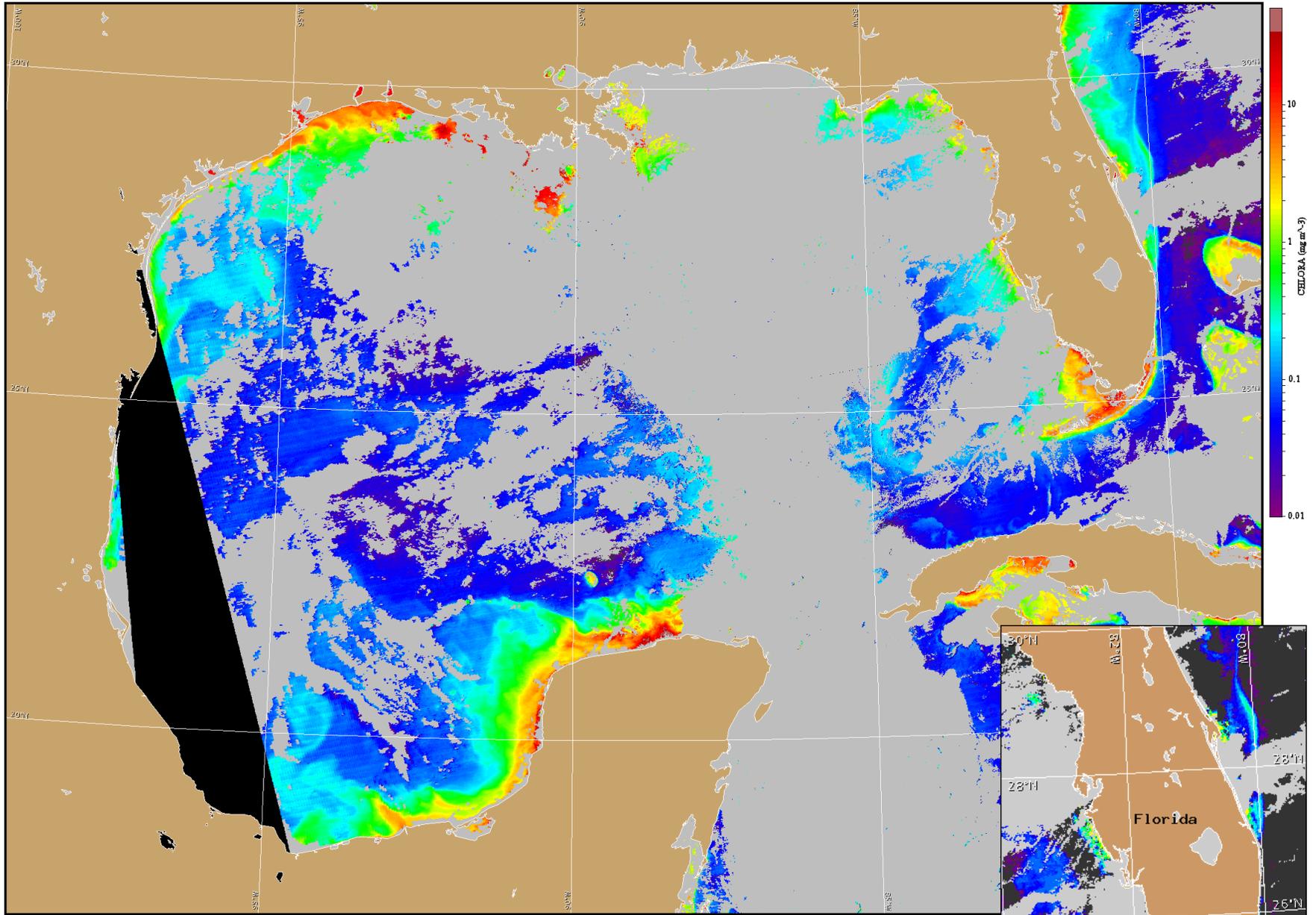
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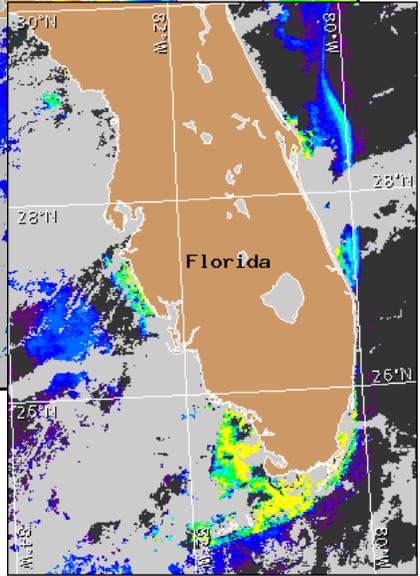
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

Wind Analysis

Englewood to Tarpon Springs (Venice): Variable winds (<10kn, <5m/s) today becoming southwest (10kn) this afternoon through tonight. West winds (10-15kn, 5-8m/s) Tuesday through Friday.



Satellite chlorophyll image.



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).