



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

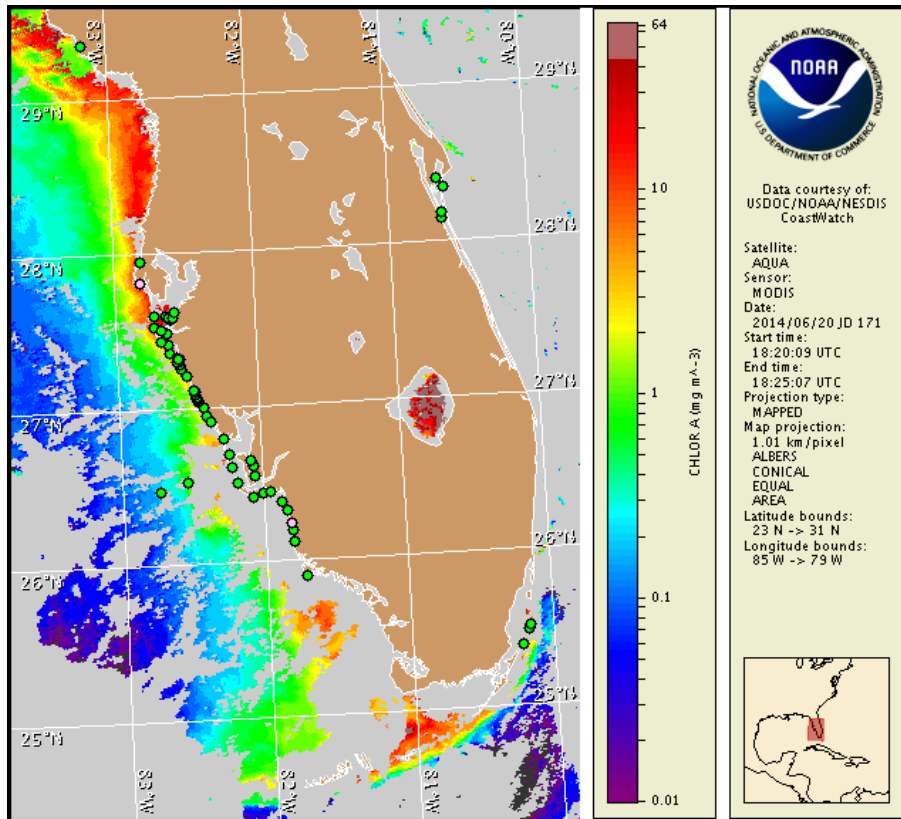
Monday, 23 June 2014

NOAA National Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, June 16, 2014



Satellite chlorophyll image with possible *K. brevis* HAB areas shown by red polygon(s), when applicable. Points represent cell concentration sampling data from June 13 to 19: red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). Cell count data are provided by Florida Fish and Wildlife Conservation Commission (FWC) Fish and Wildlife Research Institute. For a list of sample providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

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 Monday, June 23 through Monday, June 30. Check http://tidesandcurrents.noaa.gov/hab/beach_conditions.html for recent, local observations.

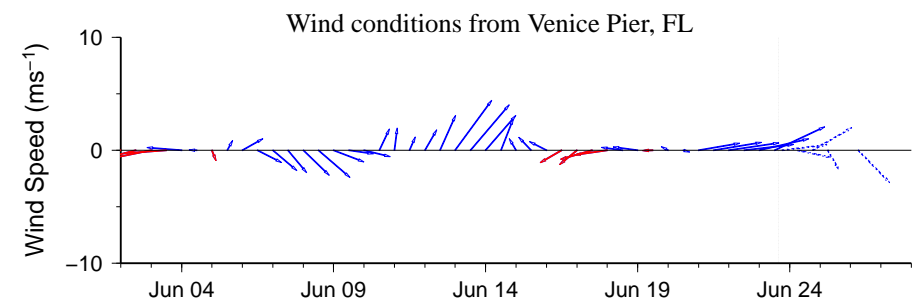
Analysis

Samples collected over the past ten days along the coast of southwest Florida from Pinellas to Collier counties all indicate that *Karenia brevis* is not present, with the exception of three background concentrations identified in samples collected in Pinellas County at Redington Pier, in Sarasota County at Bay Dock in Sarasota Bay, and in Collier County at Vanderbilt Beach (FWRI, MML, SCHD, CCPCPD; 6/12-6/18).

Recent MODIS Aqua imagery alongshore southwest Florida has been obscured by clouds over the past several days, limiting analysis. In MODIS Aqua imagery from 6/20 (shown left), patches of elevated to high chlorophyll (2-13 $\mu\text{g/L}$) are visible along- and offshore portions of Pinellas to Lee counties. 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, June 30.

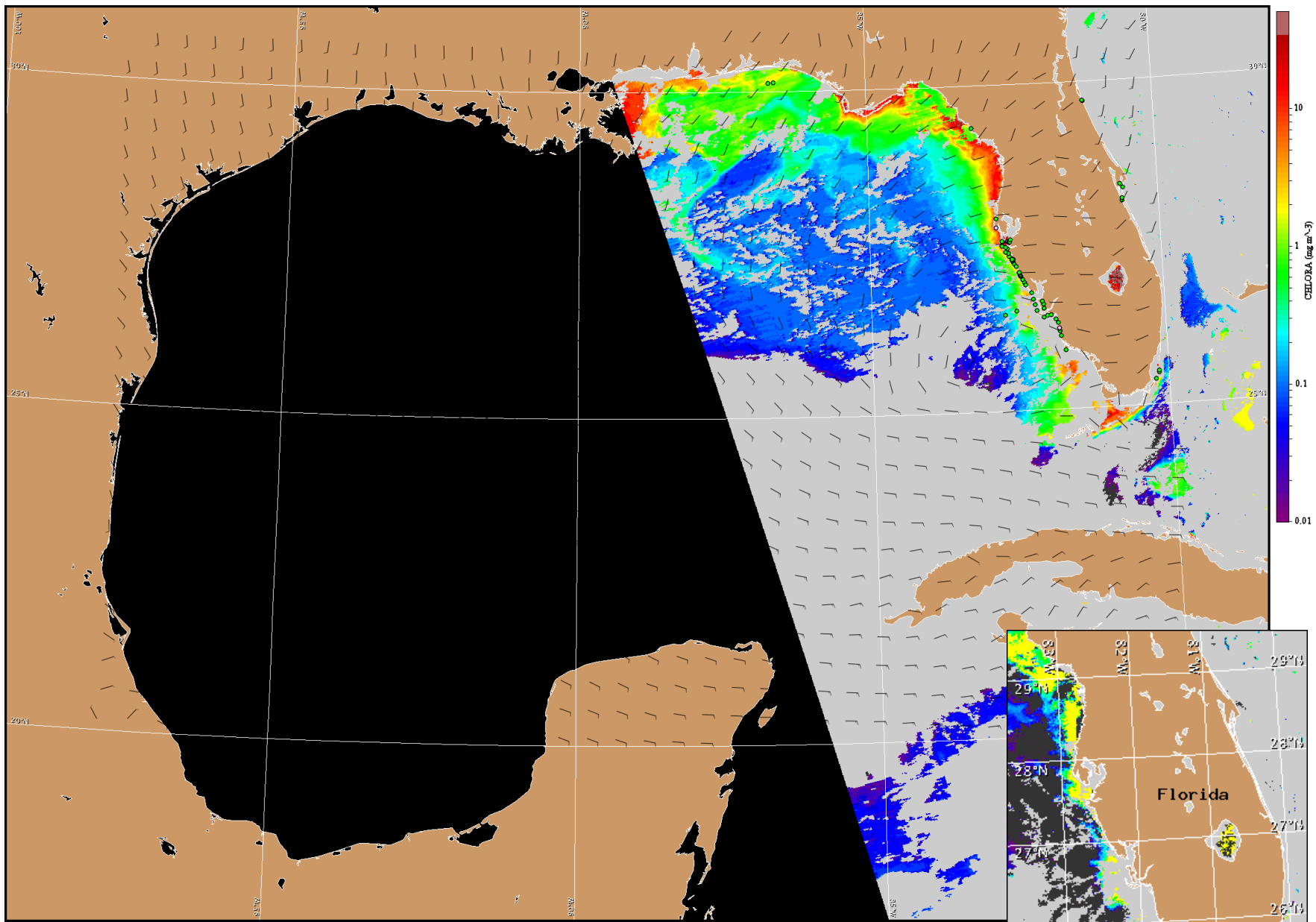
Burrows, Kavanaugh



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

Southwest Florida: West winds (10kn, 5 m/s) today and tonight becoming northwest (10kn) through Tuesday night. Wednesday north winds (10kn) becoming northwest winds (10kn) Wednesday afternoon through Thursday night then becoming west winds (10kn) on Friday.



Satellite chlorophyll image and forecast winds for June 24, 2014 06Z with points representing cell concentration sampling data from June 13 to 19: red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). Cell count data are provided by Florida Fish and Wildlife Conservation Commission (FWC) Fish and Wildlife Research Institute. For a list of sample providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

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