



# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

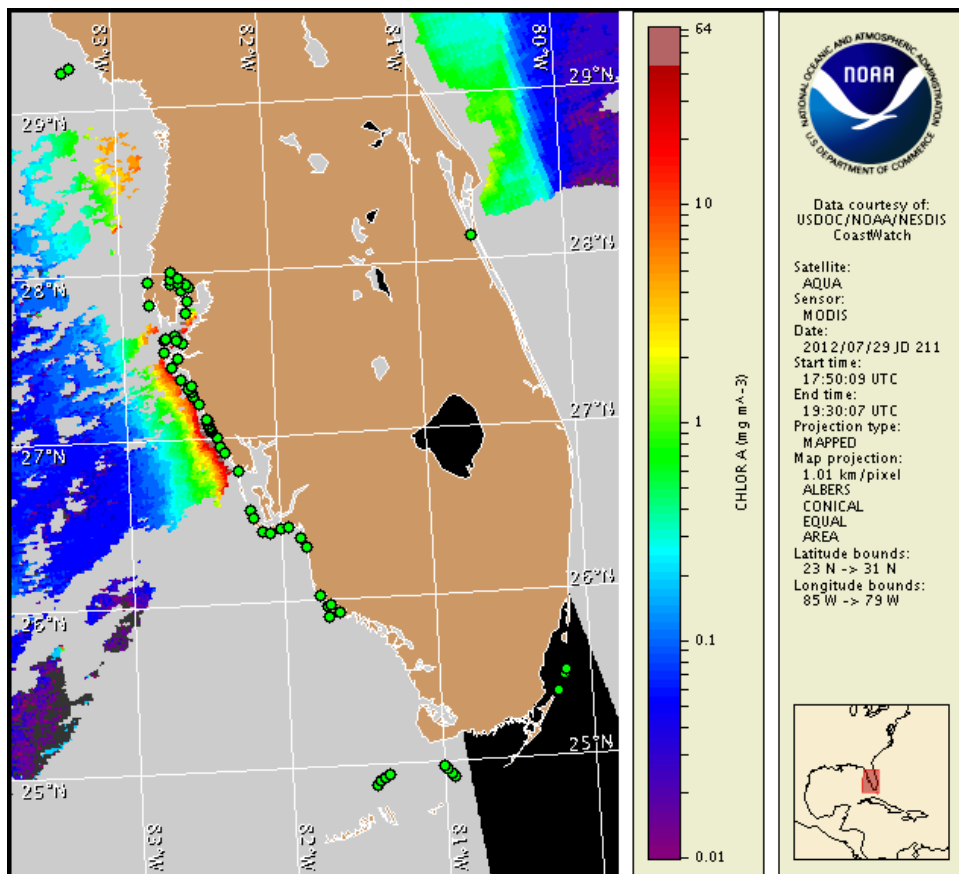
Monday, 30 July 2012

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, July 23, 2012



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 20 to 26 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data 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](http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf)

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

<http://myfwc.com/research/redtide/events/status/statewide/>

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

## Conditions Report

There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, August 5.

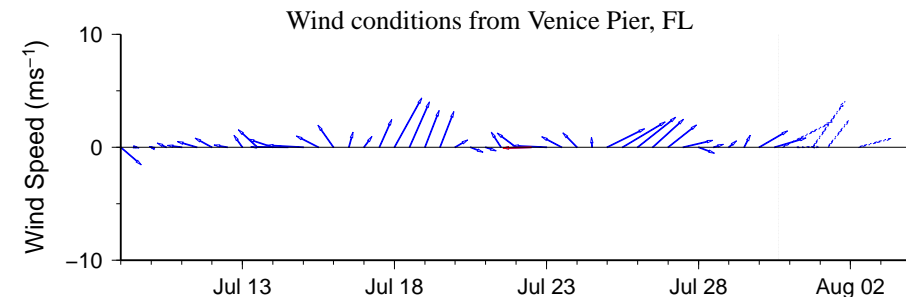
## Analysis

There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. One sample taken from alongshore Sarasota County contained background concentrations of *Karenia brevis*, while all other samples taken from alongshore Pinellas, Manatee, Sarasota, Charlotte, Lee, and Collier counties and offshore Monroe County indicate that *K. brevis* is not present (FWRI, MML, SCHD; 7/20-26).

Satellite imagery from the past week continued to be either fully or partially obscured by clouds alongshore southwest Florida. The 7/29 image was only partially obscured by clouds allowing for chlorophyll analysis alongshore Manatee, Sarasota and Charlotte counties where chlorophyll levels were elevated to high ( $>6 \mu\text{g/L}$ ). Elevated chlorophyll identified at the coast may be the result of various non-toxic blooms that continue to be reported throughout the region.

Forecasted winds are not favorable for harmful algal bloom formation today through Friday, August 3.

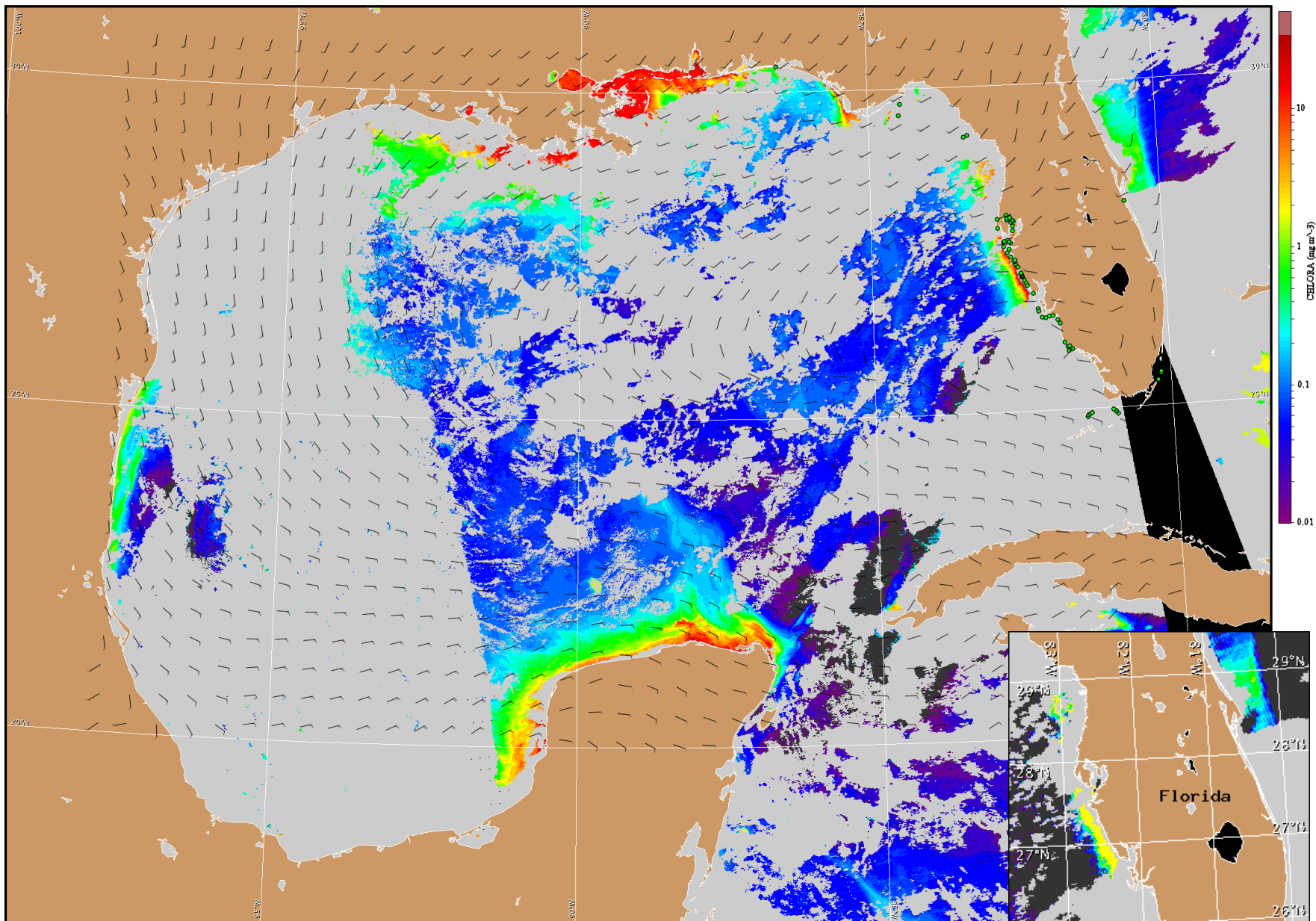
Urizar, Kavanaugh, Davis



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

SW Florida: Southwesterly winds (5 kn, 3 m/s) today. Southerly winds (5 kn) tomorrow becoming westerly in the afternoon. Southwesterly winds (5 kn) tomorrow night and Wednesday. Westerly winds (5 kn) Wednesday night becoming southwest after midnight. Westerly winds (5-10 kn, 3-5 m/s) Thursday becoming south after midnight. Westerly winds (10 kn) Friday.



Satellite chlorophyll image and forecast winds for July 31, 2012 06Z with cell concentration sampling data from July 20 to 26 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data 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).