Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

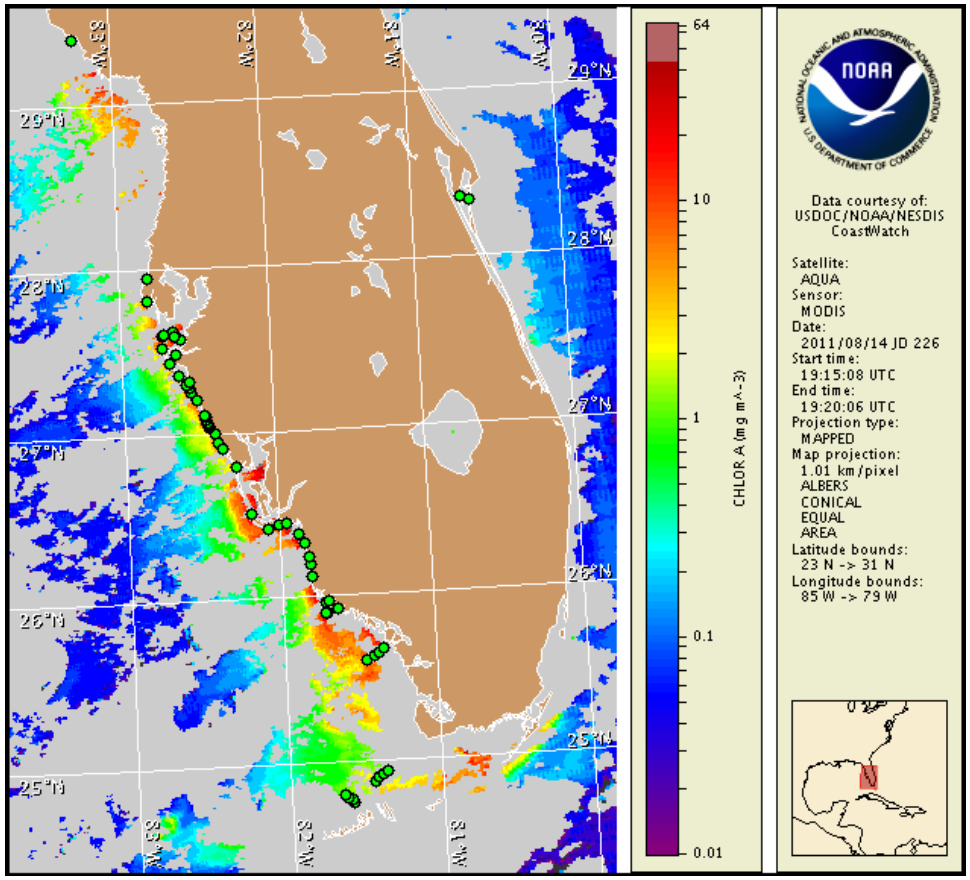
Monday, 15 August 2011

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, August 8, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 5 to 11 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

Conditions Report

There is currently no indication of a harmful algal bloom at the coast in southwest Florida, including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, August 21.

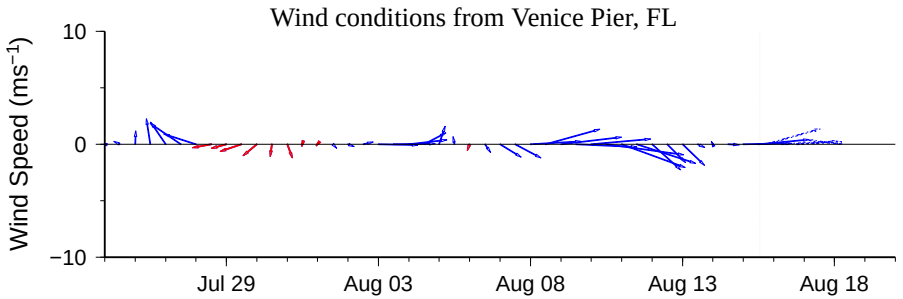
Analysis

There is currently no indication of a harmful algal bloom alongshore southwest Florida, including the Florida Keys. *Karenia brevis* was not present samples taken alongshore southwest Florida from Pinellas to Monroe counties nor offshore Pinellas County and the Florida Keys (FWRI, MML, SCHD; 8/8-11).

Where visible, the most recent MODIS imagery indicates elevated to high (4 to >10 μg/L) levels of chlorophyll alongshore most of southwest Florida. Elevated chlorophyll at the coast is likely the result of non-toxic algal blooms that continue to be reported alongshore several counties in southwest Florida.

Forecast winds tomorrow and Wednesday indicate a potential for bloom formation at the coast.

Urízar, Burrows

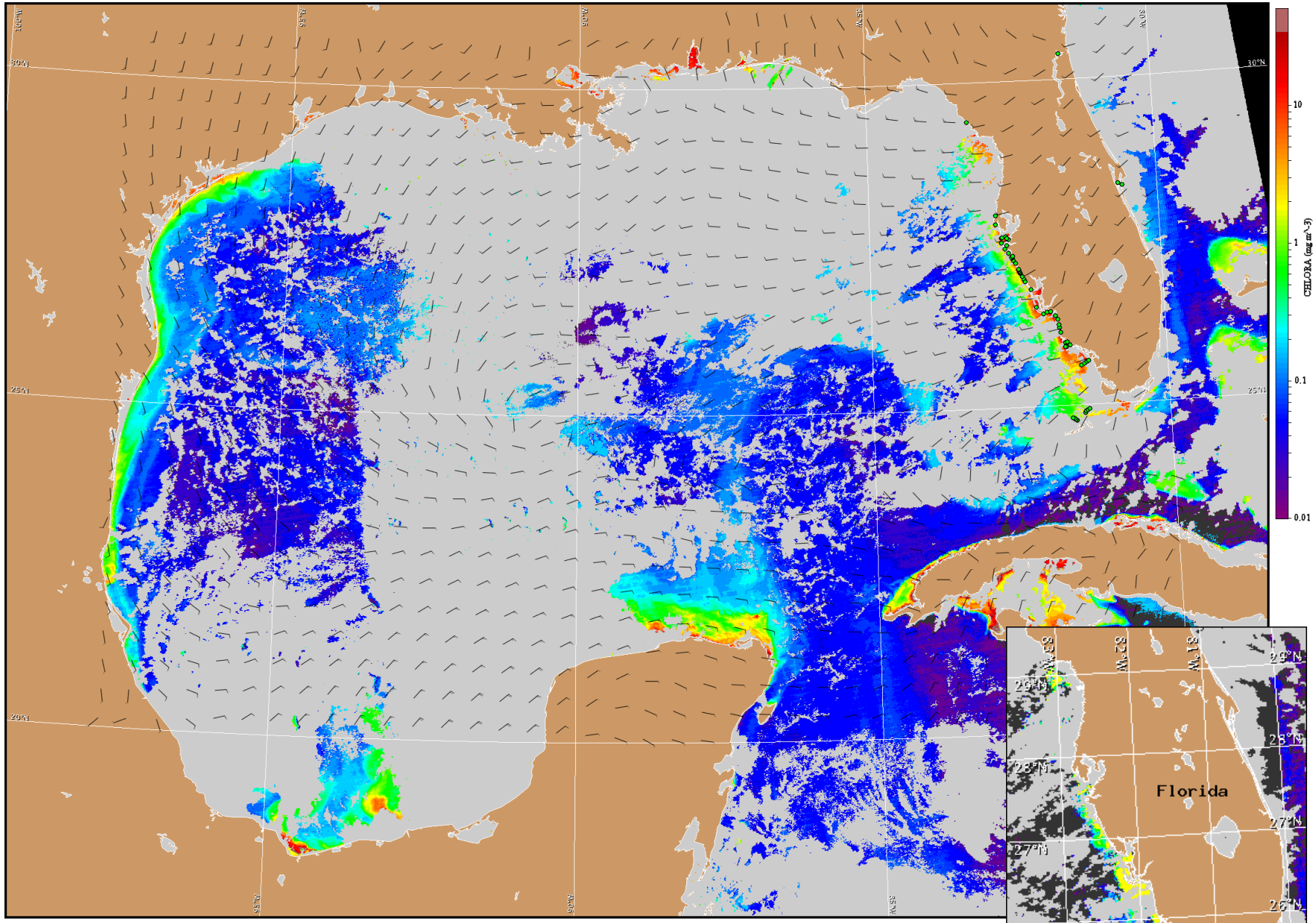


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

Wind Analysis

SW Florida: Westerly winds (10 kn, 5 m/s) today. Northwesterly winds (5-10 kn, 3-5 m/s) Tuesday and Wednesday. Easterly to northerly winds (5-10 kn) Thursday. South-easterly winds (5-10 kn) Friday.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive:
http://tidesandcurrents.noaa.gov/hab/bulletins.html



Satellite chlorophyll image and forecast winds for August 16, 2011 06Z with cell concentration sampling data from August 5 to 11 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).