



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

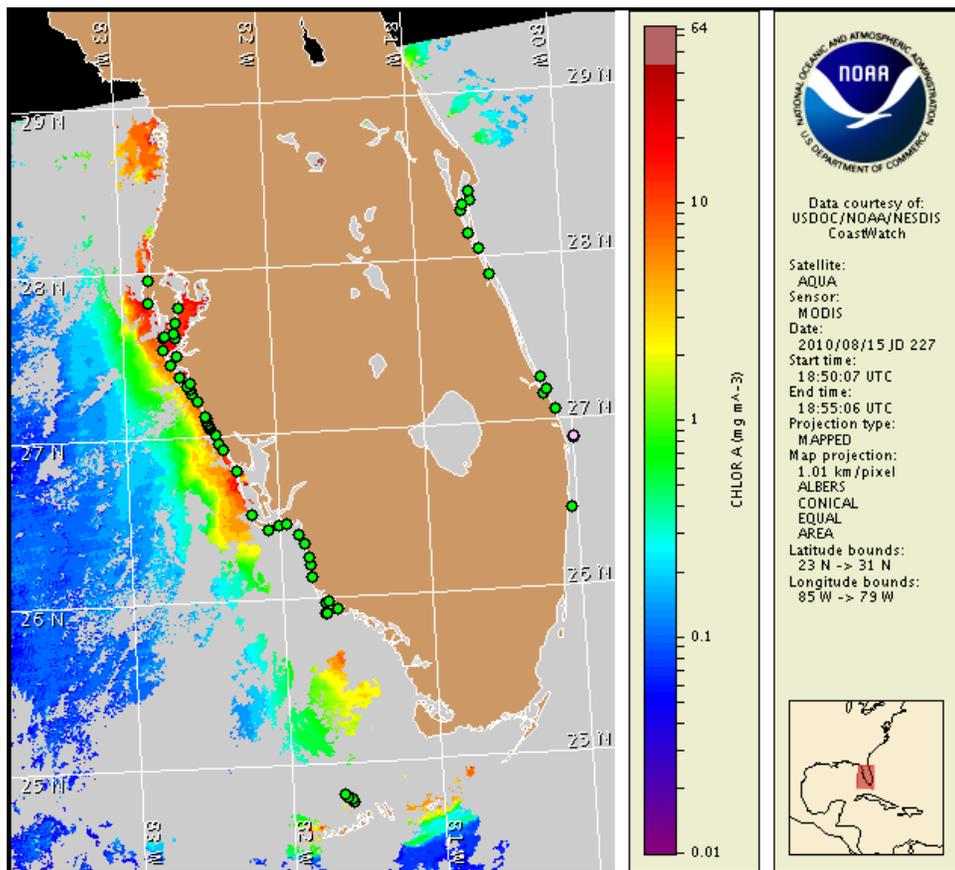
16 August 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: August 9, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 6 to 12 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 HABFS bulletin guide:

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

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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

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 22.

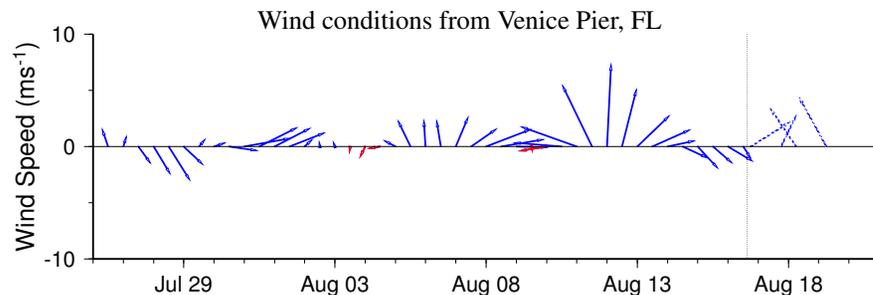
Analysis

There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. A new sample collected last week at South Lido Park in Sarasota County, where background concentrations of *Karenia brevis* were identified on 8/2, indicates that *K. brevis* is not present (SCHD, 8/9). All other samples taken alongshore from Pinellas to Collier Counties and in the Florida Keys region indicate that *K. brevis* is not present (CCPCD, FWRI, MML, SCHD, 8/5-13).

Recent satellite imagery is mostly obscured by clouds south of central Lee County. Elevated chlorophyll (3 to >10 $\mu\text{g/L}$) visible in MODIS imagery (8/13) along- and offshore Pinellas to Monroe Counties and in the Florida Keys region is likely the result of mixed non-harmful algal blooms that continue to be reported in many southwest Florida counties (FWRI, 8/9-12).

Variable southerly winds forecasted today through Friday, August 20, will minimize the potential for *K. brevis* bloom formation this week.

Derner, Yang, Urizar

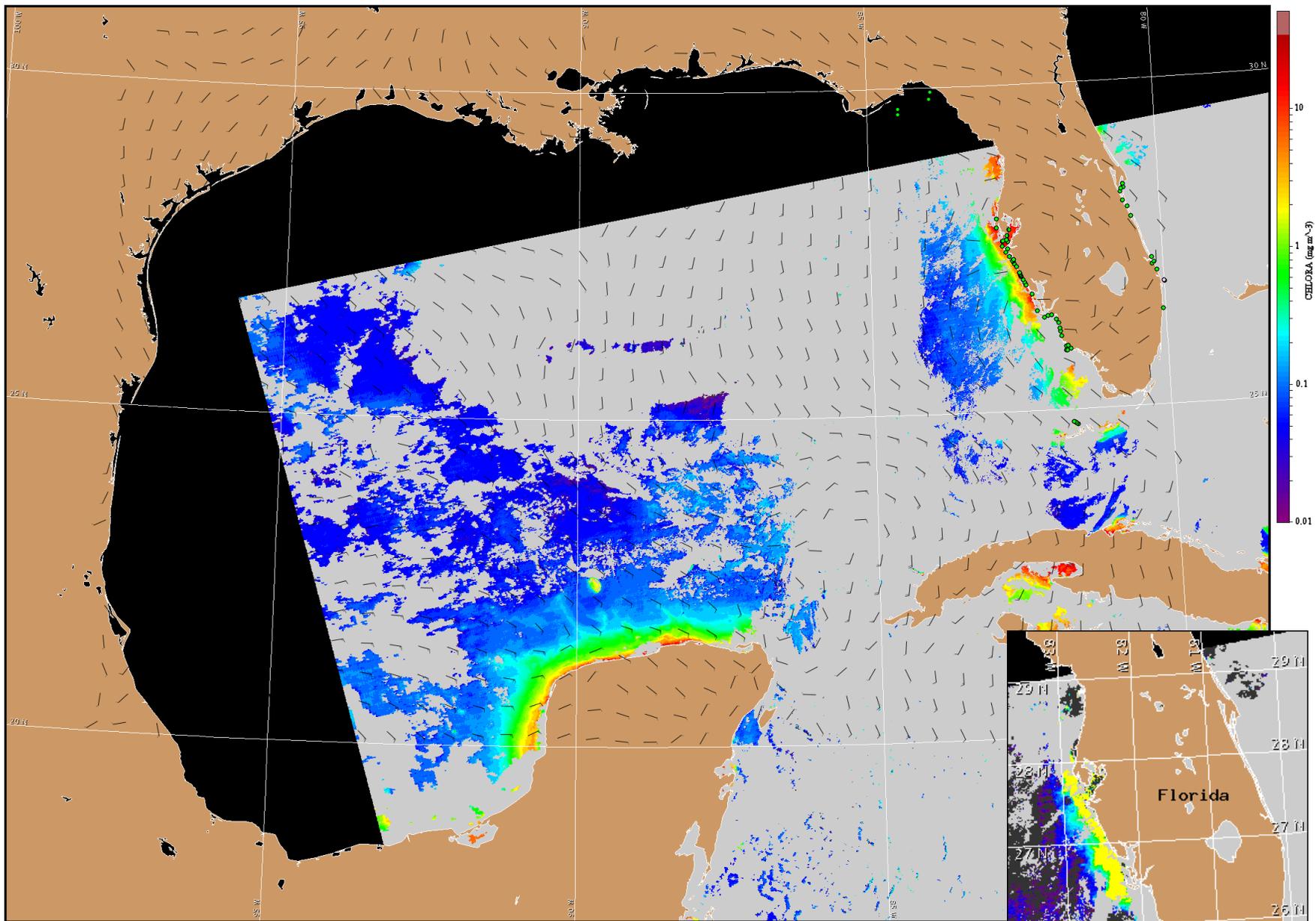


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

Wind Analysis

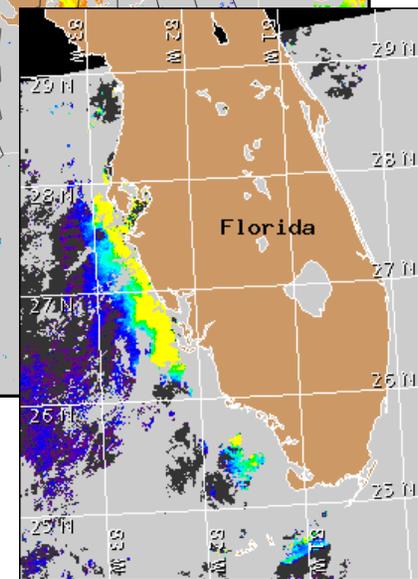
Southwest Florida: Southwest winds (10kn, 5m/s) today. Southeast winds (5kn, 3m/s) tonight through Friday, except southwest winds (5-10kn, 3-5m/s) near the coast each afternoon Tuesday through Friday.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for August 17, 2010 06Z with Cell concentration sampling data from August 6 to 12 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 HABFS 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).