



# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

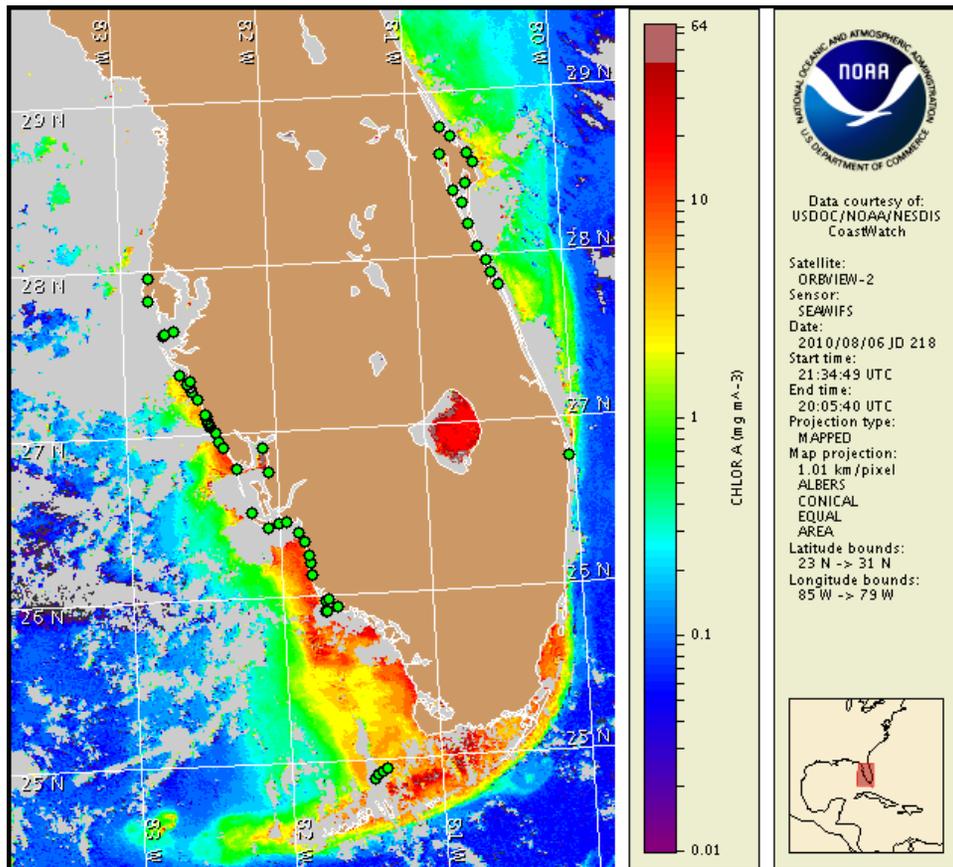
9 August 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: August 2, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 30 to August 5 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](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 15.

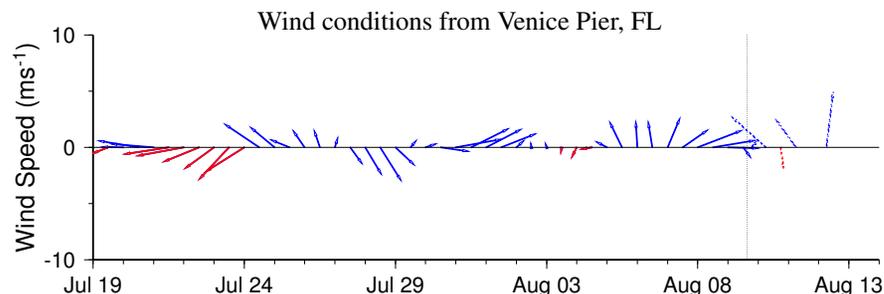
## Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida, including the Florida Keys. One sample collected last week alongshore South Lido Park in Sarasota County continued to indicate background concentrations of *Karenia brevis* (SCHD, 8/2). All other samples taken alongshore from Pinellas to Collier Counties, offshore of Sarasota County, and in the Florida Keys region indicate that *K. brevis* is not present (FWRI, MML, SCHD, 7/26-8/6).

Recent satellite imagery is obscured by clouds throughout southwest Florida. Elevated chlorophyll (2-9  $\mu\text{g/L}$ ) remained visible on 8/6 (shown left) alongshore and offshore Manatee, Sarasota, Charlotte, Lee, Collier and Monroe counties and are likely the result of mixed non-harmful algal blooms that were also confirmed by the recent samples (FWRI, 8/2-8/4).

Variable south winds forecasted Tuesday through Friday, August 13, will minimize the potential for *K. brevis* bloom formation this week.

## Burrows, Fisher

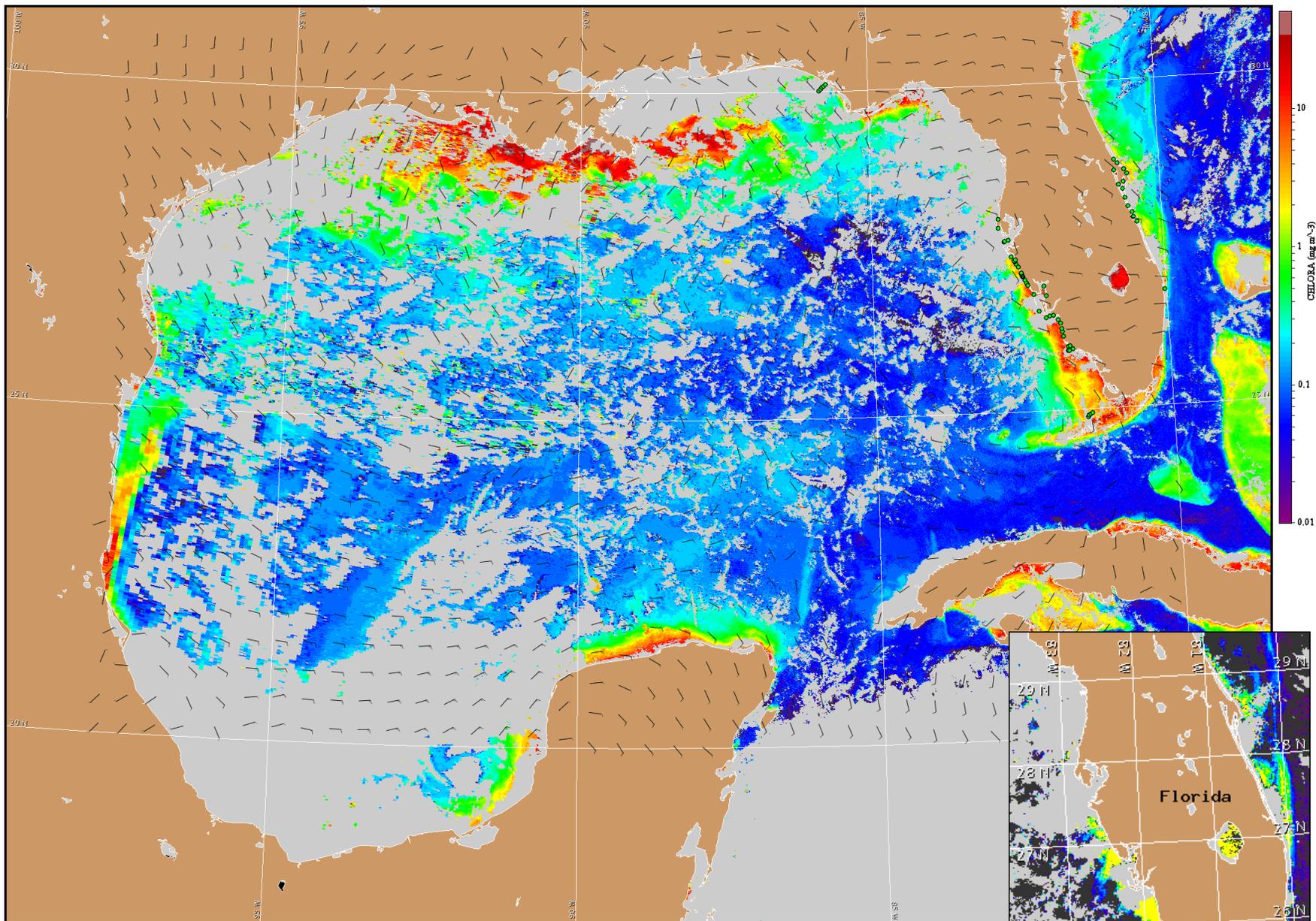


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

## Wind Analysis

**SW Florida:** Today and tonight northeast winds (10-15 kn, 5-8 m/s). Tuesday and Tuesday night southeast winds (10-15 kn). Wednesday and Wednesday night south to southeast winds (10-15 kn). Thursday through Friday southwest to south winds (5-10 kn, 3-5 m/s).

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](http://coastwatch.noaa.gov/hab/bulletins_ns.htm)



Satellite chlorophyll image and forecast winds for August 10, 2010 06Z with Cell concentration sampling data from July 30 to August 5 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).