



# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

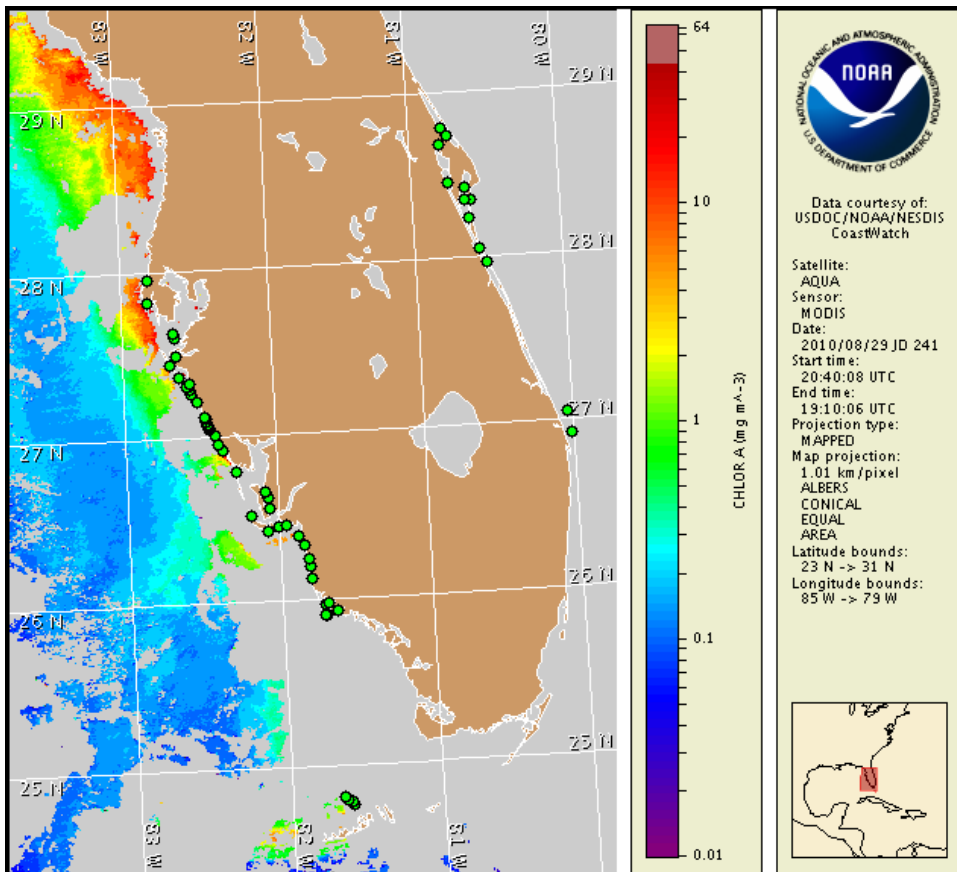
30 August 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: August 23, 2010



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

[http://tidesandcurrents.noaa.gov/hab/habfs\\_bulletin\\_guide.pdf](http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf)

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

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, September 5.

## Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida, including the Florida Keys. All recent samples taken from alongshore Pinellas, Manatee, Sarasota, Charlotte, Lee and Collier counties all indicate that *Karenia brevis* is not present (FWRI, MML, SCHD; 8/23-27). The samples also continue to confirm the presence of mixed non-harmful algal blooms alongshore many southwest Florida counties.

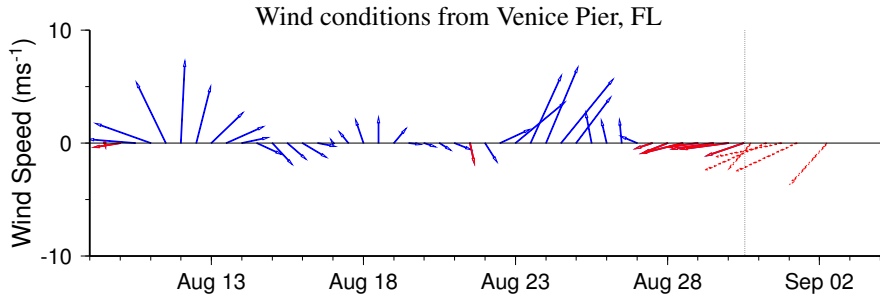
Except for Pinellas County, satellite imagery has been obscured by clouds throughout the past week making it difficult to determine if the previously reported elevated chlorophyll features resulting from the various mixed non-harmful algal blooms remain. Alongshore and offshore Pinellas County, one such elevated chlorophyll ( $>6 \mu\text{L}$ ) feature is visible. Whenever possible, these features will continue to be monitored.

The consistent offshore winds over the past few days were favorable for bloom formation; however, no reports of respiratory irritation have been received from anywhere alongshore southwest Florida. The wind conditions forecasted for today through Friday are not favorable for *K. brevis* bloom formation.

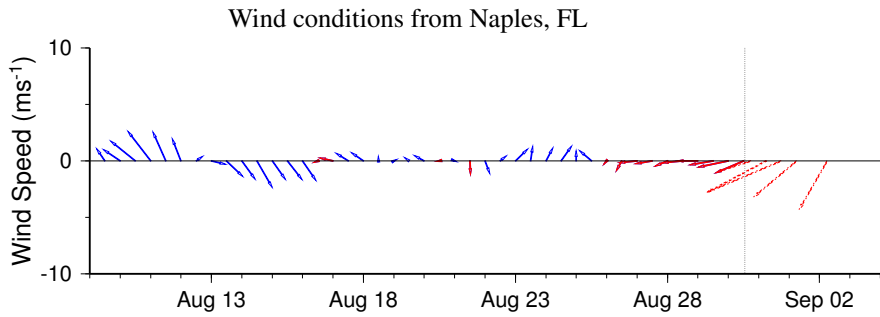
Urizar, Yang

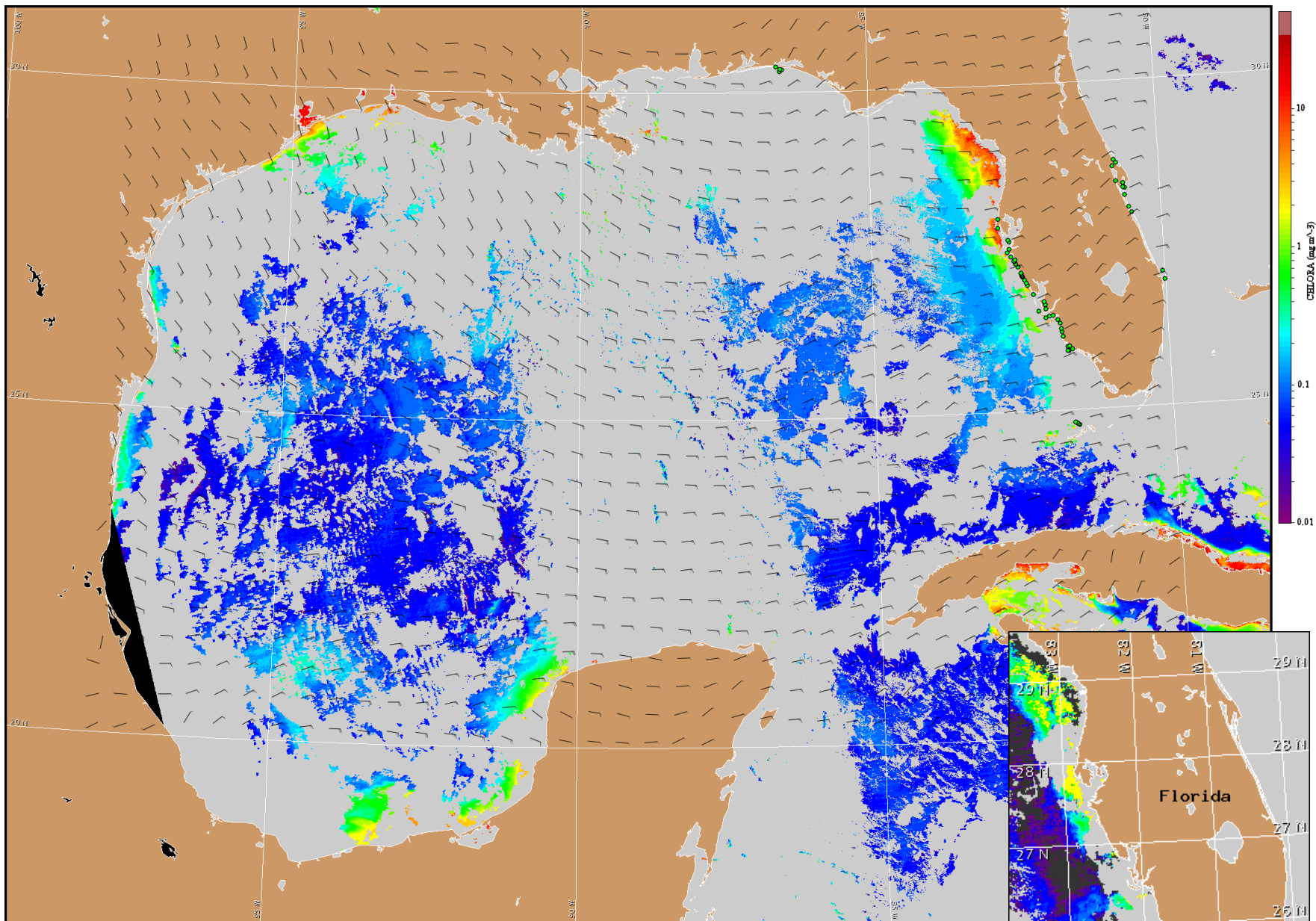
## Wind Analysis

SW Florida: Easterly winds (15 kn, 8 m/s) today through Wednesday. Northwesterly winds (10 kn, 5 m/s) Wednesday night through Thursday. Northerly winds (10 kn) Thursday night. Northwesterly winds (5 kn, 3 m/s) Friday.



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).





Satellite chlorophyll image and forecast winds for August 31, 2010 06Z with Cell concentration sampling data from August 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 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).