

Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

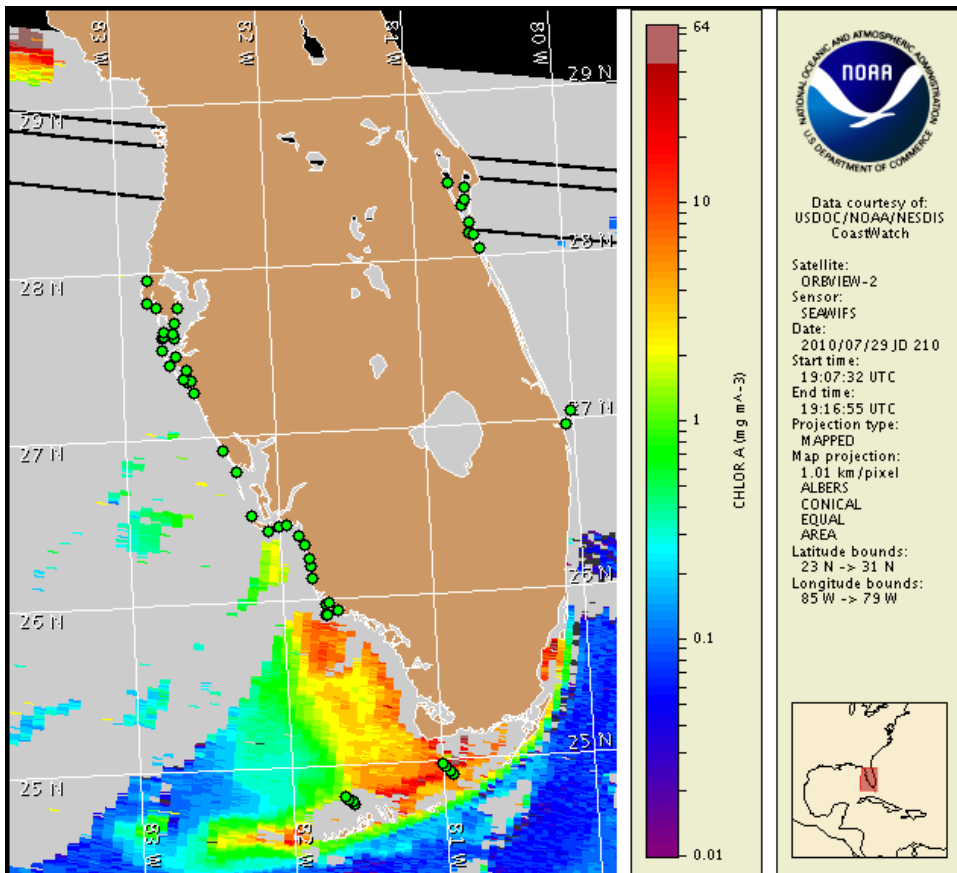
2 August 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: July 26, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 25 to 29 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 8.

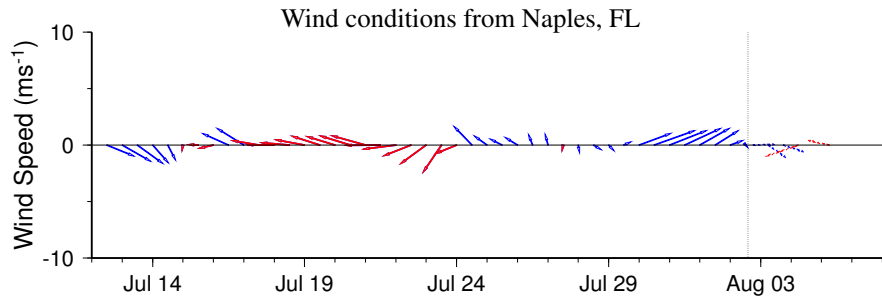
Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida, including the Florida Keys. Only one sample recently taken alongshore South Lido Park in Sarasota County (7/26) indicates background concentrations of *Karenia brevis* (SCHD). All other samples taken alongshore Pinellas, Manatee, Sarasota, Charlotte, Lee and Collier Counties and in the Florida Keys indicate that *K. brevis* is not present (FWRI 7/26-28; MML 7/26-27).

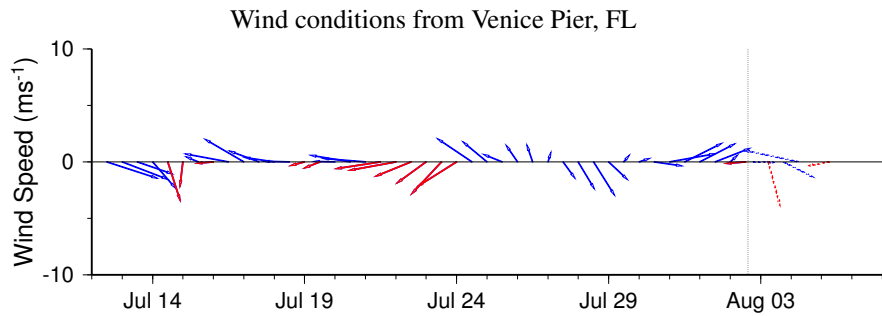
Satellite imagery is mostly obscured by clouds throughout southwest Florida. Elevated chlorophyll features visible offshore Collier and Monroe counties are likely the result of mixed non-harmful algal blooms that were also confirmed by the recent samples.

Light, variable winds forecasted today through Friday, August 6, are not favorable for bloom formation.

Urizar, Burrows

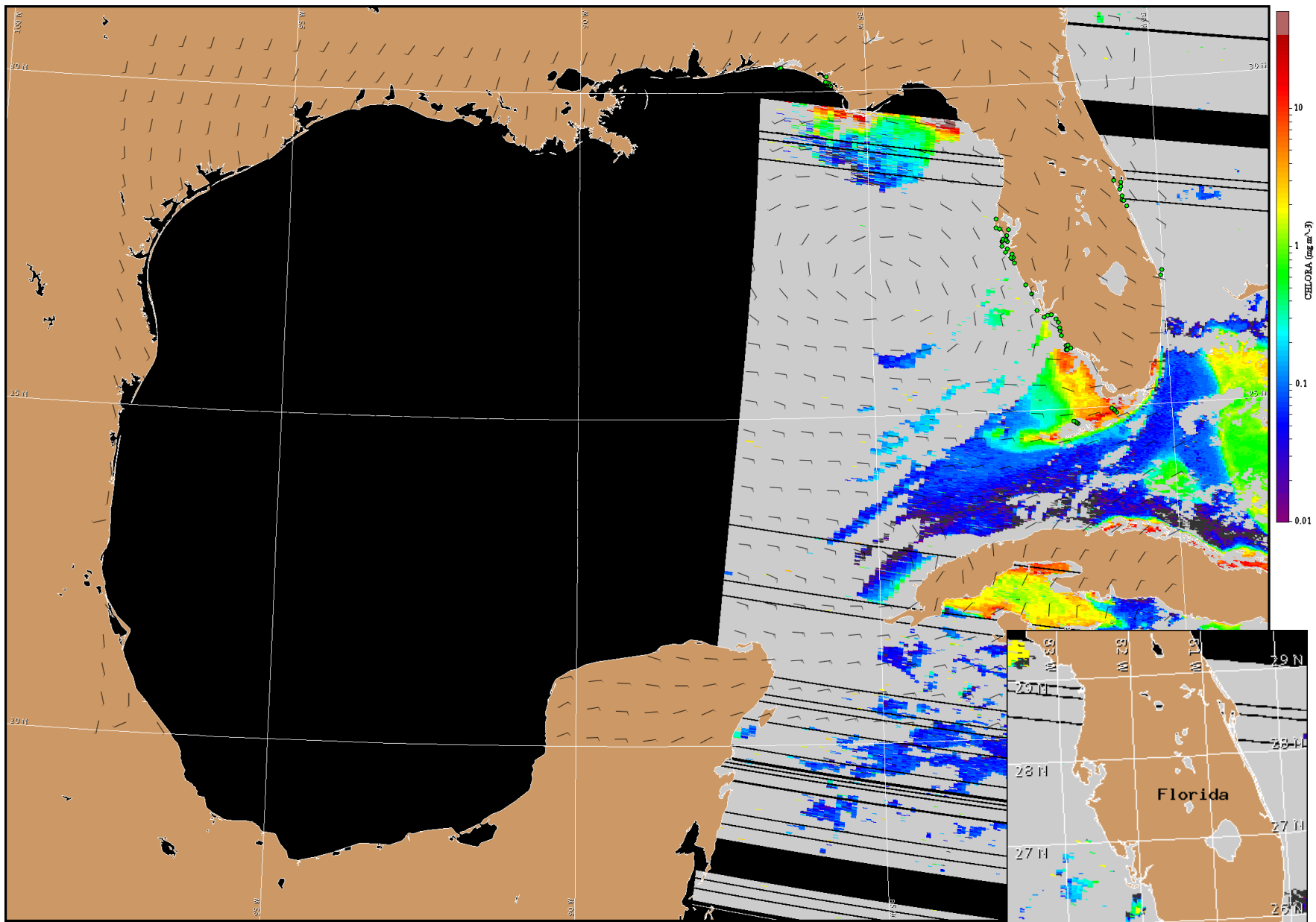


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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



Wind Analysis

SW Florida: Southeasterly winds today and northwesterly winds tonight (5 kn, 3 m/s). Easterly winds Tuesday (5 kn). Southeasterly winds Wednesday and southwesterly winds Wednesday night (5 kn). Southerly winds Thursday and northerly winds Thursday night (5 kn). Southeasterly winds Friday (5kn).



Satellite chlorophyll image and forecast winds for August 3, 2010 06Z with Cell concentration sampling data from July 25 to 29 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).