

# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

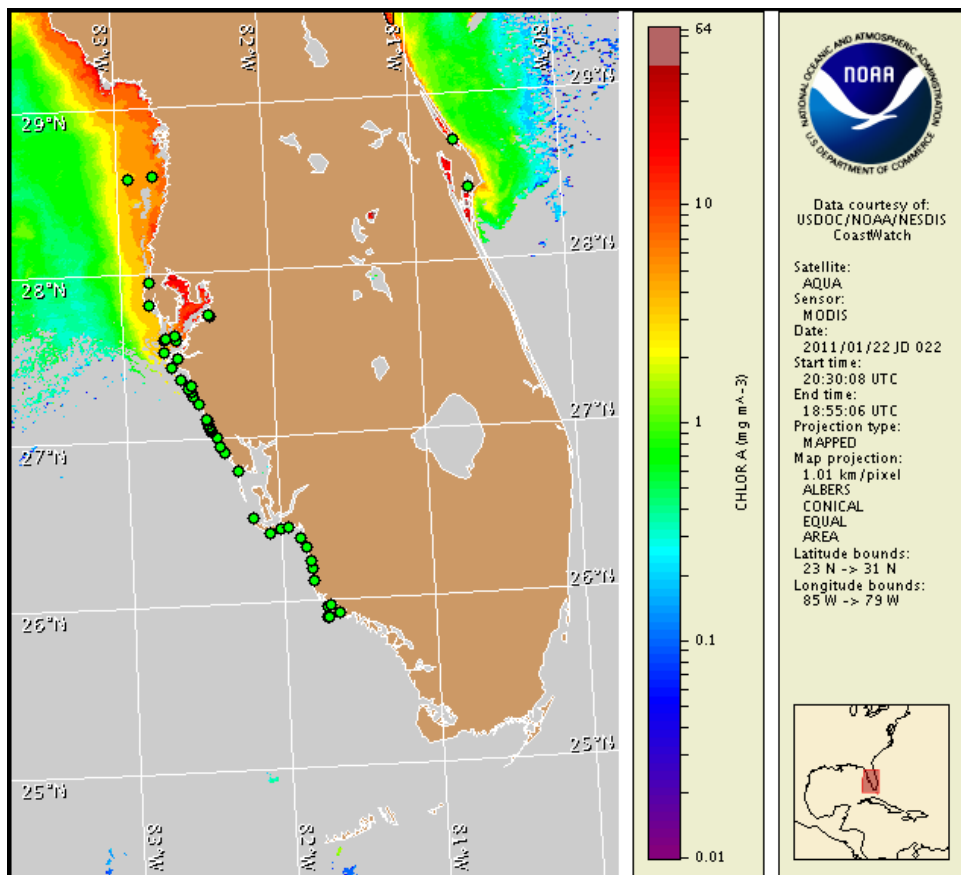
24 January 2011

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: January 18, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from January 14 to 19 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, January 30.

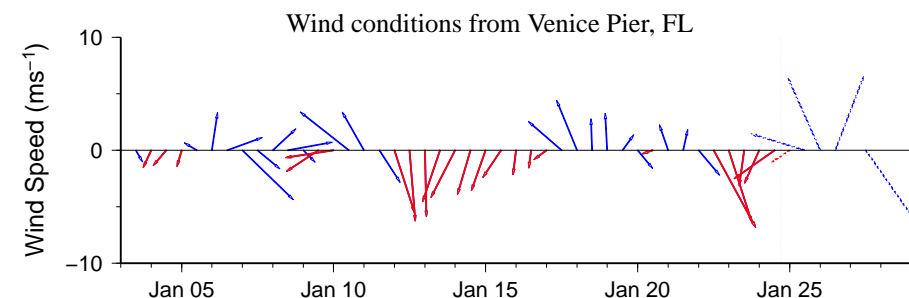
## Analysis

There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. *Karenia brevis* was not identified in samples collected last week alongshore Pinellas, Manatee, Sarasota, Charlotte, Lee and Collier counties. Background concentrations of *Karenia brevis* were identified in two samples collected offshore of Sarasota County on 1/18 (FWRI, MML). Non-toxic mixed algal blooms continue to be reported in patches along many southwest Florida counties (FWRI, MML, SCHD; 1/17-1/21). Cloud cover over southwest Florida limits further analysis of chlorophyll levels in recent satellite imagery.

Wind forecasts do not indicate a potential for bloom formation this week.

*Note: SeaWiFS imagery is currently unavailable. MODIS imagery is shown at left and on page 2.*

Burrows, Fisher, Kavanaugh

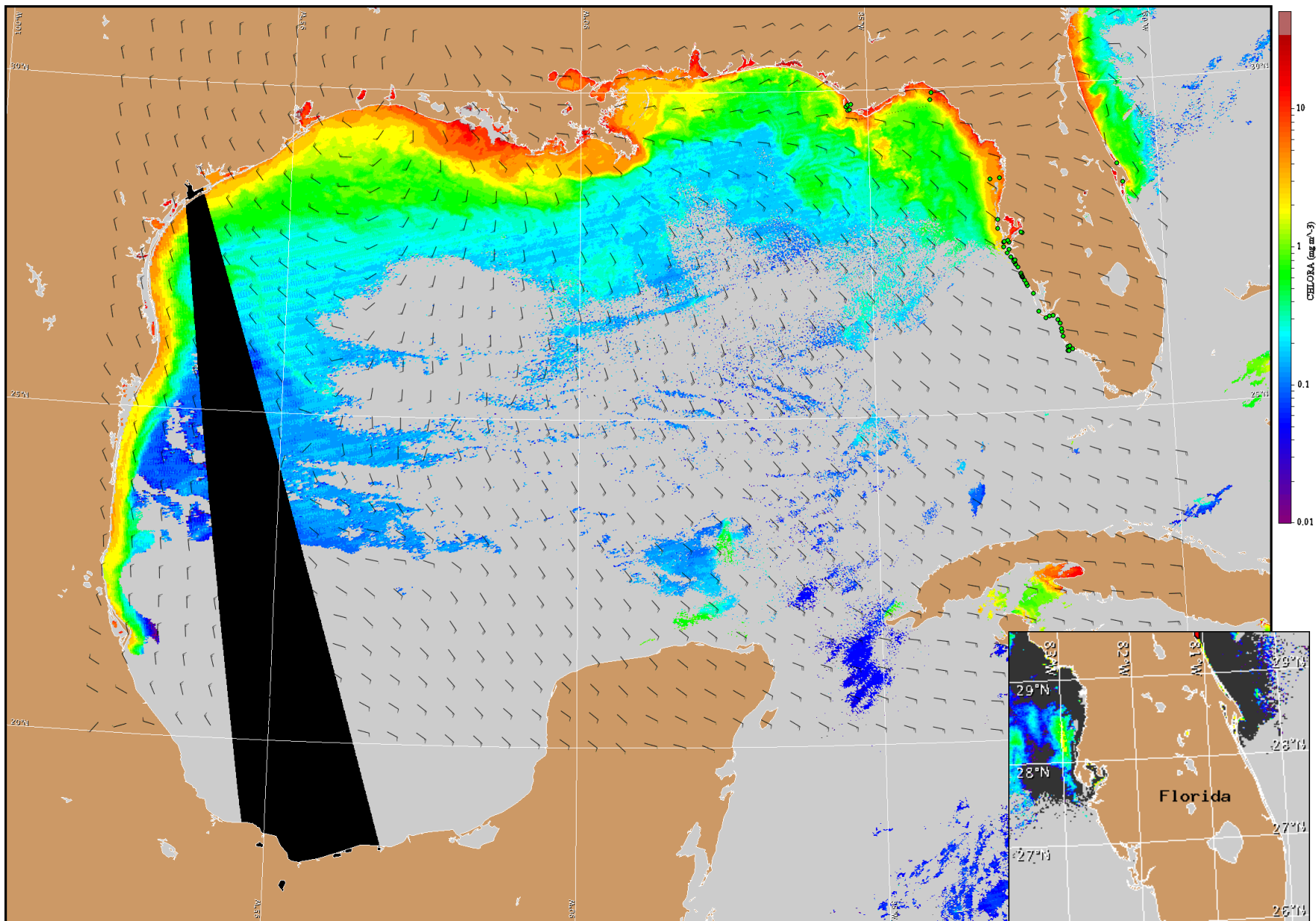


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

## Wind Analysis

East winds today through tonight at 10 kn (5 m/s). Tuesday southeast to southwest winds 10-20 kn (5-10 m/s). Wednesday through Friday north to northwest winds 10-20 kn.

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 January 25, 2011 12Z with Cell concentration sampling data from January 14 to 19 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).