



# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

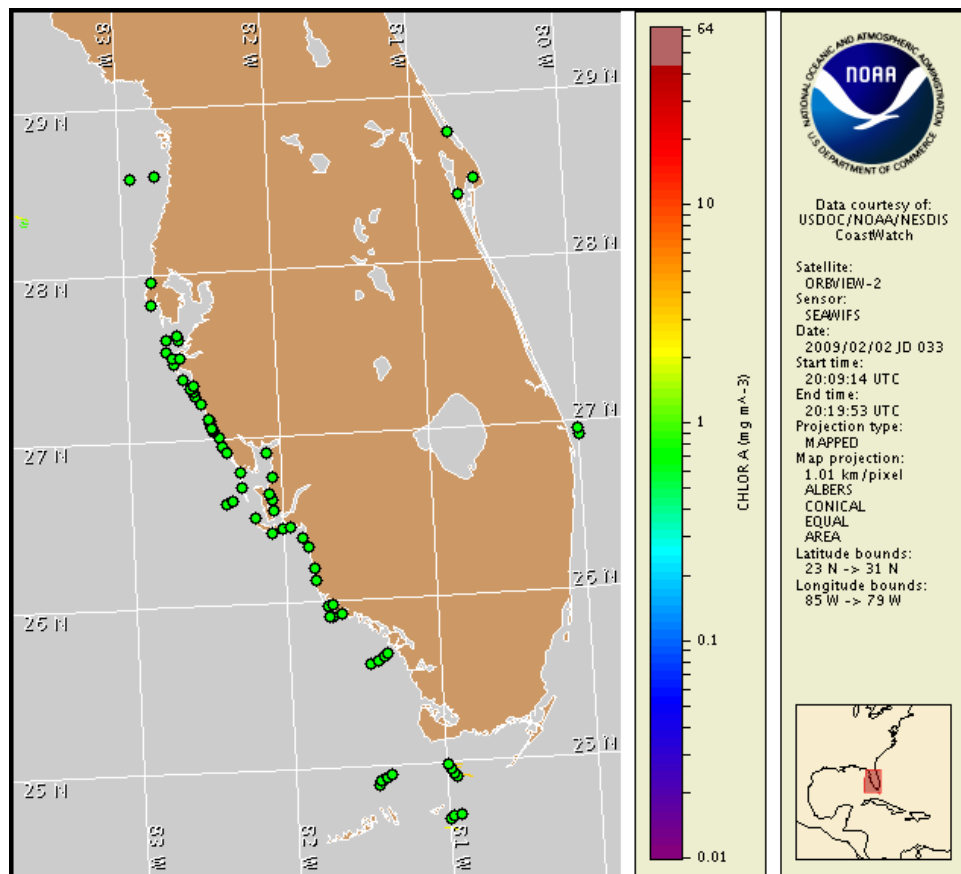
5 February 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: February 2, 2009



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from January 26 to February 4 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 report 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, February 8.

## Analysis

There is currently no report of a harmful algal bloom at the coast in southwest Florida including the lower Florida Keys. No *Karenia brevis* has been identified alongshore southwest Florida this week (FWRI; 2/2-2/4). No further information is available for the feature currently being tracked west of the lower Florida Keys. Recent satellite imagery is obscured by clouds, limiting analysis of elevated chlorophyll features in southwest Florida.

Strong winds will promote west to southwestward transport of features in the lower Florida Keys through Sunday, February 8.

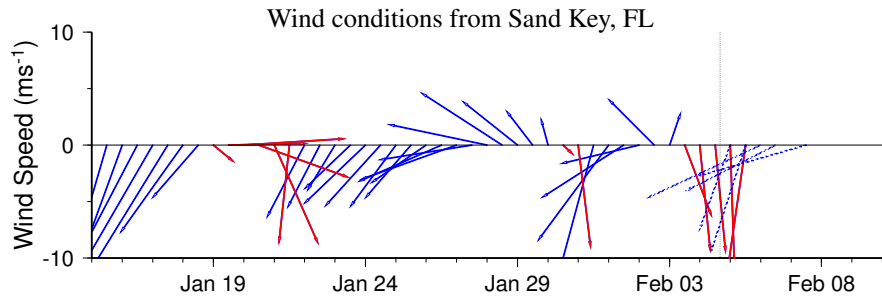
\* Due to technical difficulties, more recent satellite imagery is temporarily unavailable for display.

- Gan, Fisher

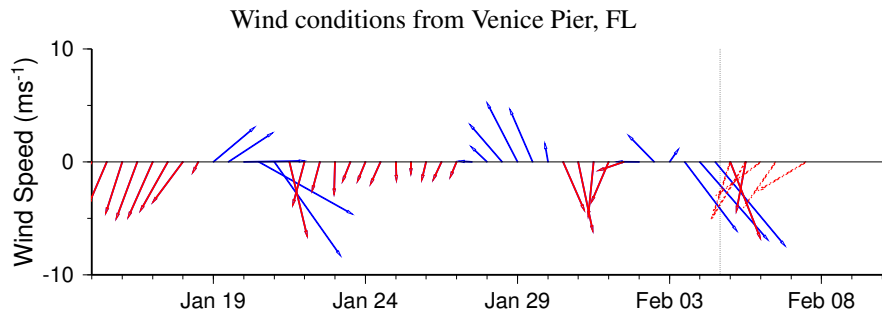
## Wind Analysis

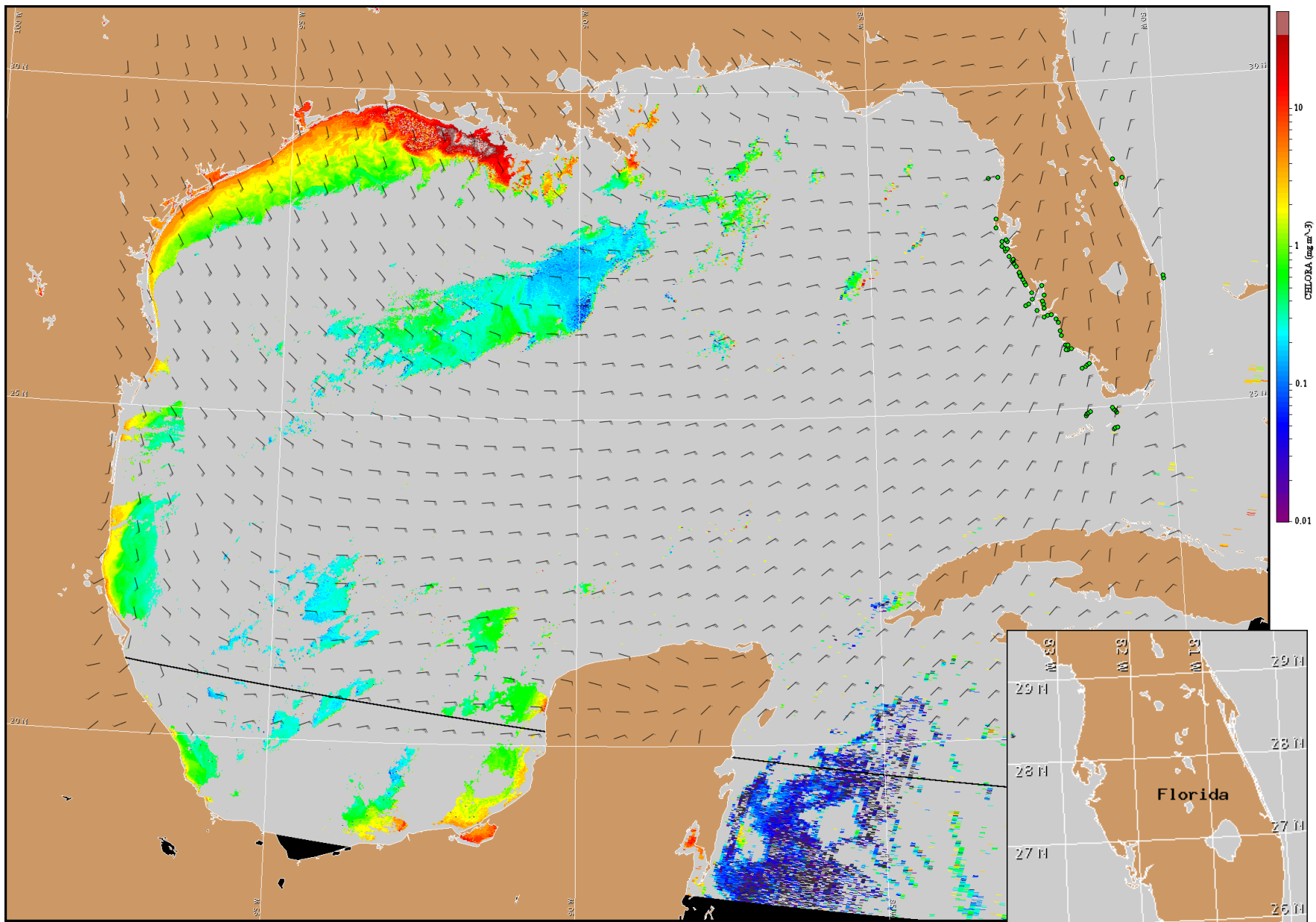
SW Florida: North to northeast winds today (10-15kn, 5-8m/s). East winds Friday through Sunday (10-15 kn).

Florida Keys: North to northeast winds today (15-25kn, 8-13m/s). Northeast to east winds Friday through Sunday (20kn, 10m/s).



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 February 6, 2009 12Z with Cell concentration sampling data from January 26 to February 4 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).