



## Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

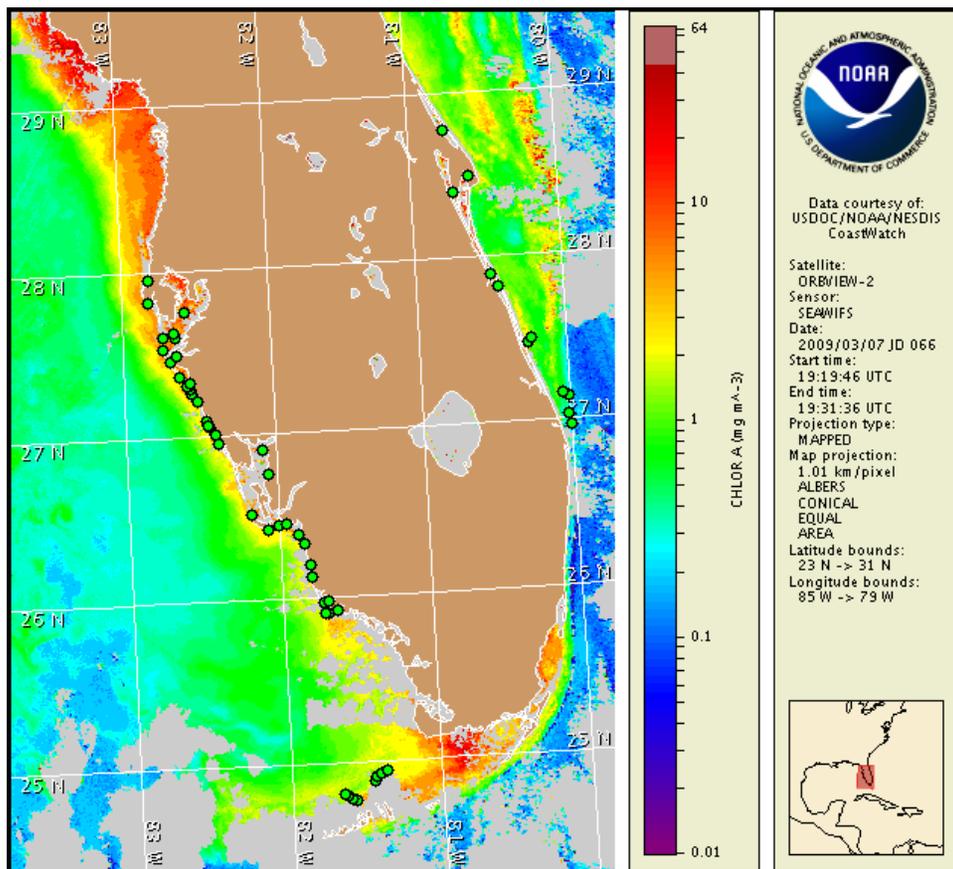
9 March 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: March 2, 2009



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from February 27 to March 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)

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, March 15.

## Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida including the Florida Keys. No *Karenia brevis* was identified in samples collected last week alongshore southwest Florida from Pinellas to Monroe Counties (FWRI, SCHD, MML, 3/2-6) with the exception of two background concentrations detected in two samples collected alongshore of the Ten Thousand Islands region of southern Collier County (not shown, FWRI 3/4).

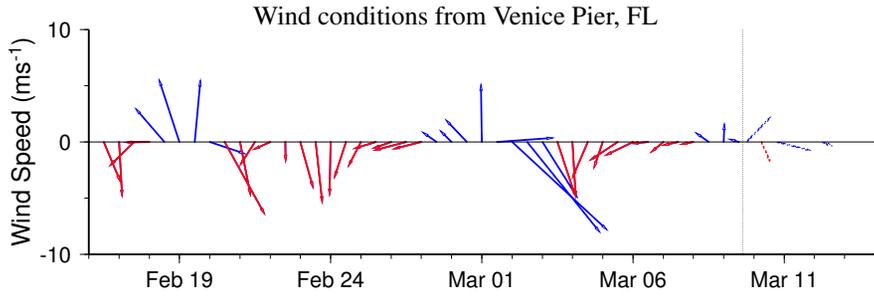
Satellite imagery over the past week does not indicate the presence of elevated chlorophyll features alongshore southwest Florida including the Ten Thousand Islands region. No elevated chlorophyll features continue to be visible offshore of the Collier/Monroe County border.

Bloom formation alongshore southwest Florida is not expected today through Sunday March 15, 2009.

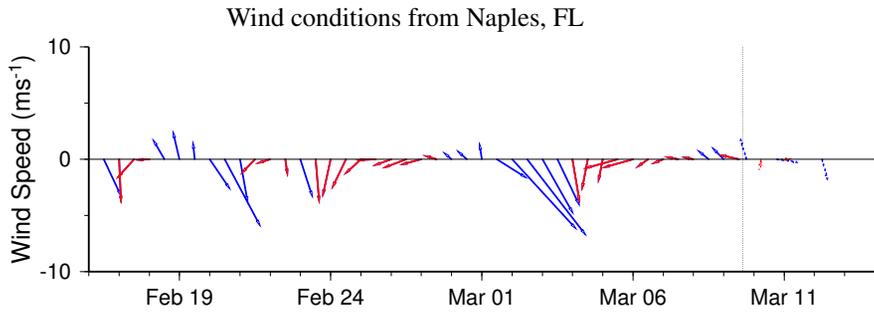
-Lindley, Fisher

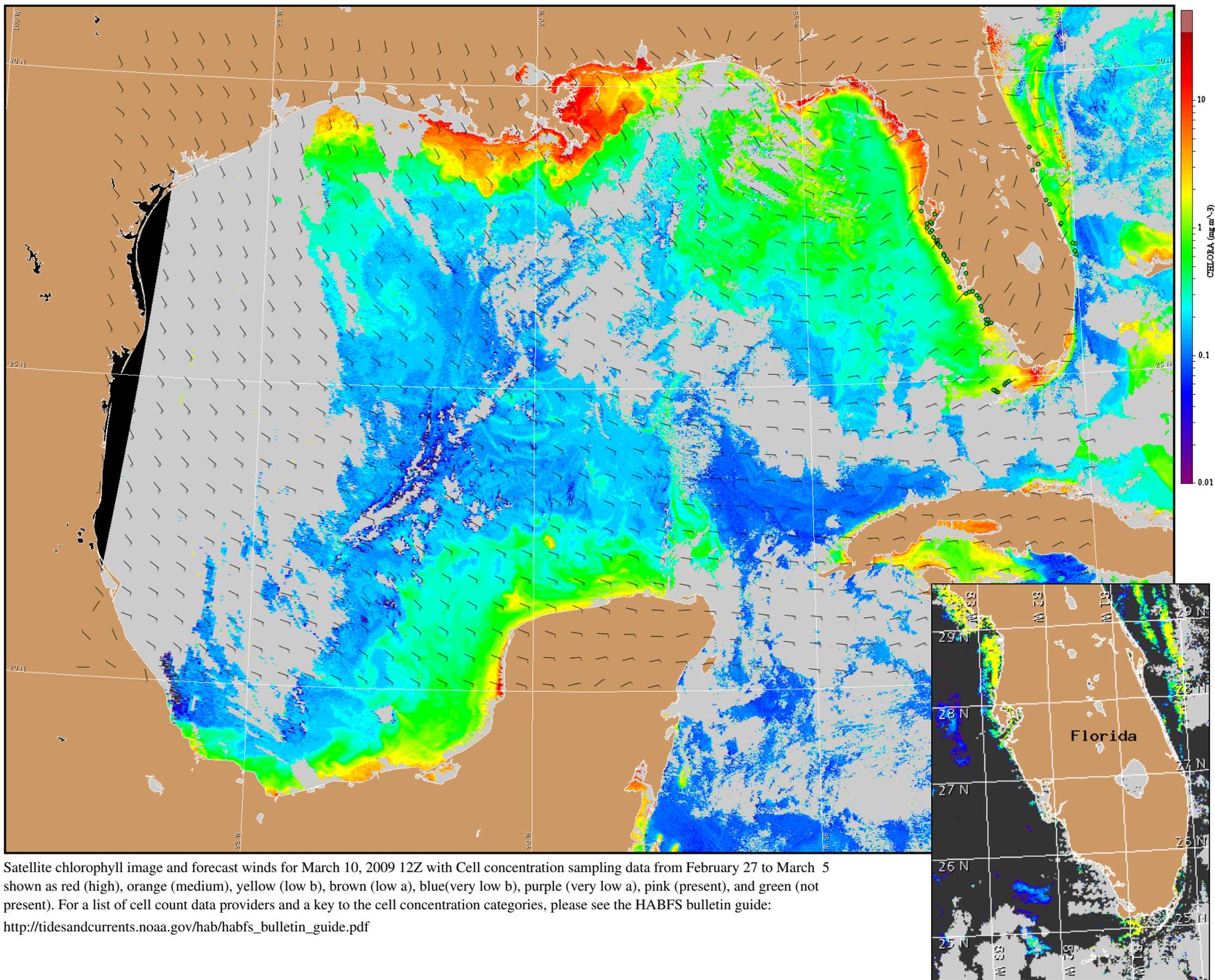
## Wind Analysis

Southwest Florida: Southeasterly winds today (5-10 kn, 3-5 m/s). North winds becoming easterly tonight (5 kn, 3 m/s). Southeasterly to easterly winds Tuesday and Wednesday (5-10 kn, 3-5 m/s). Southwest winds Wednesday night (5 kn, 3 m/s). Southeasterly winds Thursday through Friday (5-10 kn, 3-5 m/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 March 10, 2009 12Z with Cell concentration sampling data from February 27 to March 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)

Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).