

# Gulf of Mexico Harmful Algal Bloom Bulletin

25 February 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: February 19, 2008

## Conditions Report

SW Florida: A harmful algal bloom has been identified in northern Monroe County. Patchy moderate impacts are possible today through Tuesday in northern Monroe County. No other impacts are expected today through Sunday, March 2.

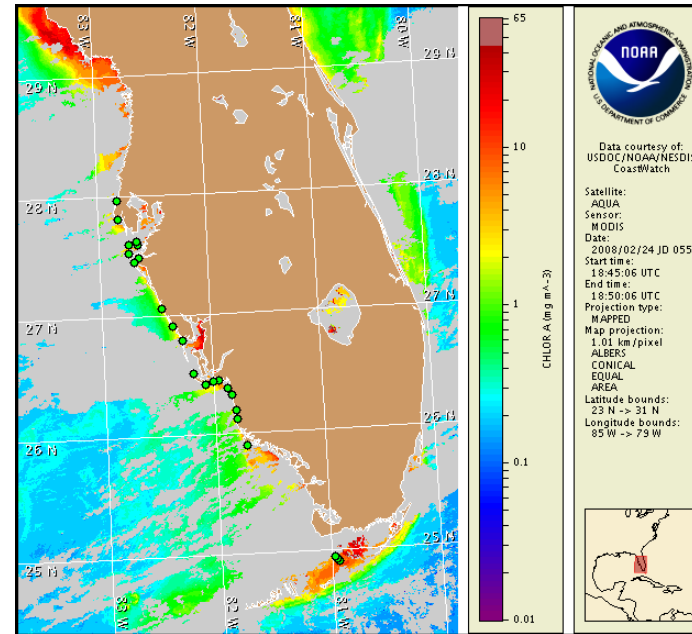
NE Florida: There is currently no indication of a harmful algal bloom along the coast in northeast Florida. No impacts are expected today through Sunday, March 2.

## Analysis

A harmful algal bloom was identified on 2/12 southwest of Pavilion Key in Monroe County (MML). There are no recent sampling results for this region. No impacts have been reported since the bloom was identified. MODIS imagery (2/24) indicates two patches of elevated chlorophyll near and offshore of Monroe County at 25°45'41"N 81°42'4"W and from 25°51'25"N 81°36'18"W to 25°44'27"N 81°27'38"W. Continued sampling is recommended. Slight north to northeast transport of the bloom is possible today and Tuesday; southerly transport is likely Wednesday and Thursday. Southerly to southwesterly winds today and Tuesday may increase the possibility of coastal impacts.

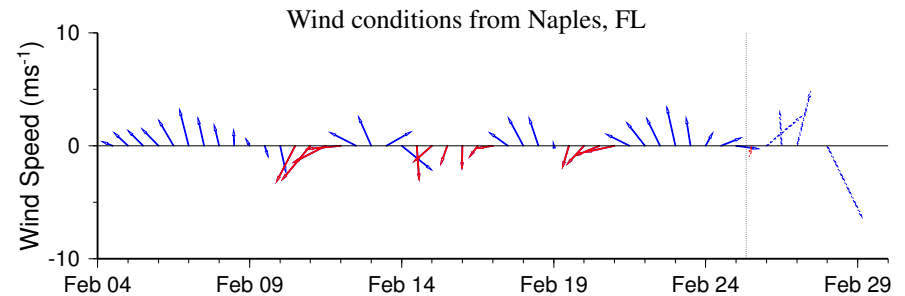
Please note that due to technical difficulties, SeaWiFS imagery is temporarily unavailable; MODIS imagery is displayed on pages 1 and 2 of this bulletin.

~Keller, Fisher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from February 15 to 20 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://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

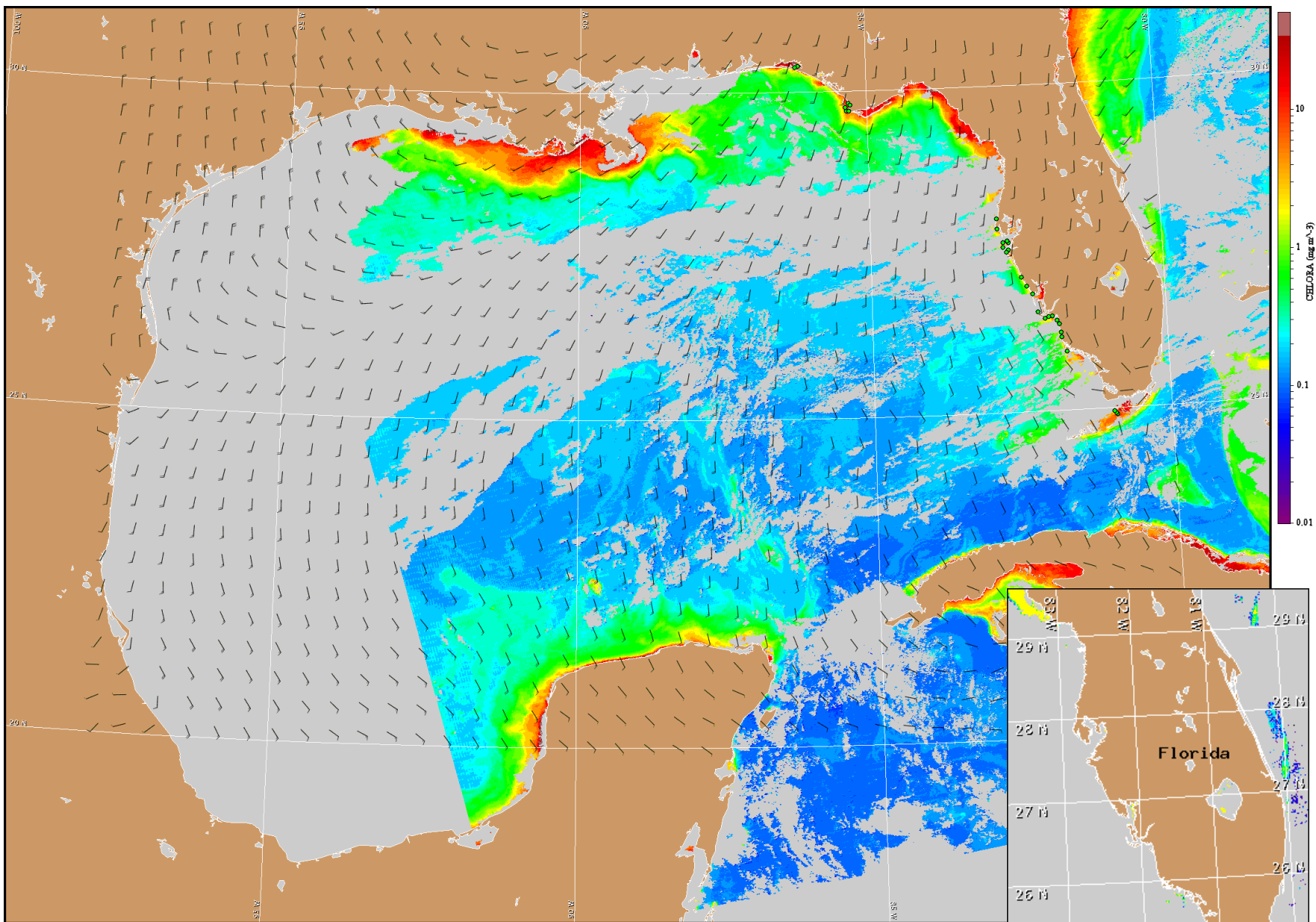


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Northerly winds today, becoming southwesterly this afternoon (5 kn, 3m/s). South to southwesterly winds on Tuesday (5-15 kn, 3-8 m/s), followed by westerly winds late Tuesday night (10-15 kn, 5-8 m/s). Northerly winds on Wednesday (15-20 kn, 8-10 m/s), with northeasterly winds on Thursday(15-20 kn, 8-10 m/s). Easterly winds on Friday (10-15 kn; 5-8 m/s).

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.



Satellite chlorophyll image and forecast winds for February 26, 2008 12Z with Cell concentration sampling data from February 15 to 20 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://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/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).