



Gulf of Mexico Harmful Algal Bloom Bulletin

24 January 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 22, 2008

Conditions Report

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, January 27.

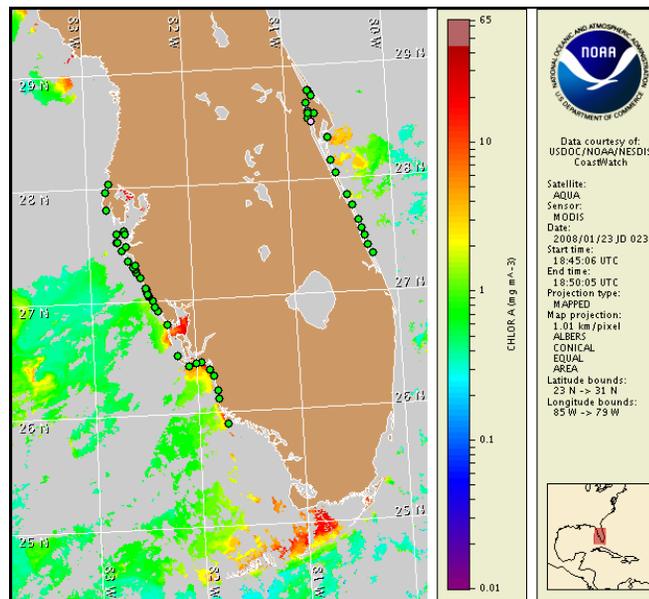
SW Florida: There is currently no indication of harmful algal bloom along the coast in southwest Florida. No impacts are expected today through Sunday, January 27.

Analysis

NE Florida: The concentration of *Karenia Brevis* has decreased to background concentrations or lower throughout Southern Volusia and northern Brevard counties. Subsequent bulletins will not address this region, unless conditions change and samples confirm the presence of a harmful algal bloom.

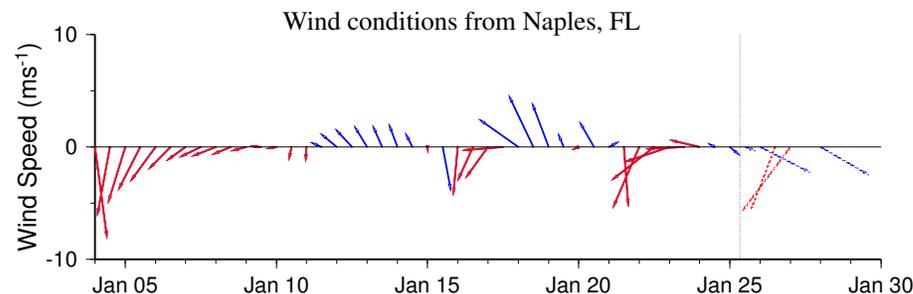
SW Florida: There is no indication of a harmful algal bloom at the coast in southwest Florida. Samples collected this past week from Sarasota, Manatee, and Collier counties indicated that *Karenia Brevis* is not present (FWRI; 1/22). Please note that due to technical difficulties, SeaWiFS imagery is temporarily unavailable; MODIS imagery (1/23) is displayed on pages 1 and 2 of this bulletin. Imagery is primarily obscured by clouds; however, elevated chlorophyll levels ($>6\mu\text{g/L}$) are visible alongshore Lee and Charlotte Counties and extend as far offshore as $26^{\circ}40'44''\text{N } 82^{\circ}19'49''\text{W}$ in Charlotte County and $26^{\circ}21'52''\text{N}, 82^{\circ}7'49''\text{W}$ in Lee County. Recent sampling in Lee County (1/16) indicated no presence of *K. brevis*. Elevated chlorophylls levels are most likely due to non-harmful algae; however continued sampling is recommended.

~Keller, Allen



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from January 14 to 22 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



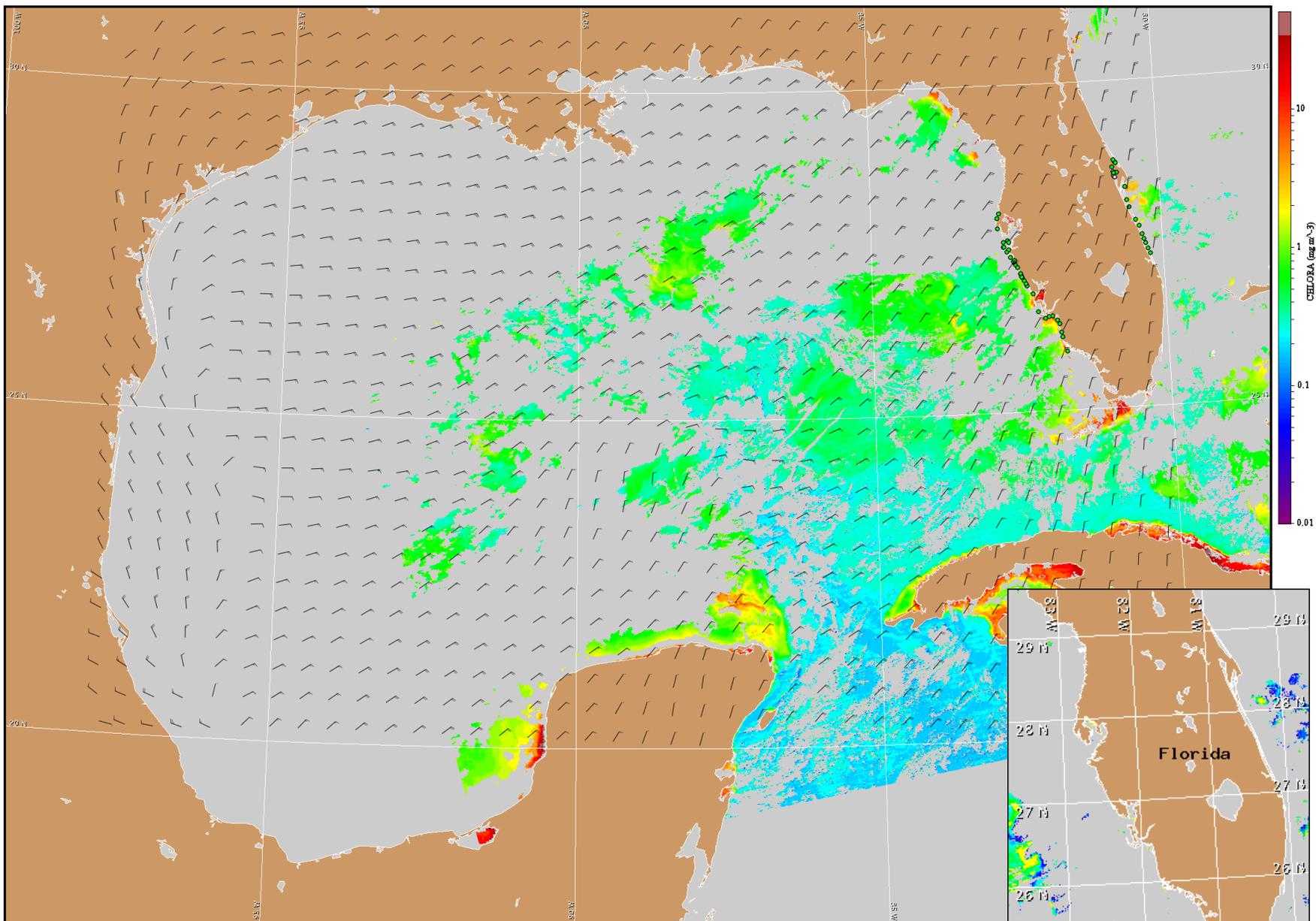
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

NE Florida: Northwestern winds today, with stronger northerly winds tonight (5-20 knots; 3-10 m/s). Northeasterly winds on Friday, with easterly winds Friday night (10-20 knots; 5-10m/s). Northwestern winds Saturday (5-10 knots; 3-5m/s) and Sunday (15-20 knots; 8-10m/s).

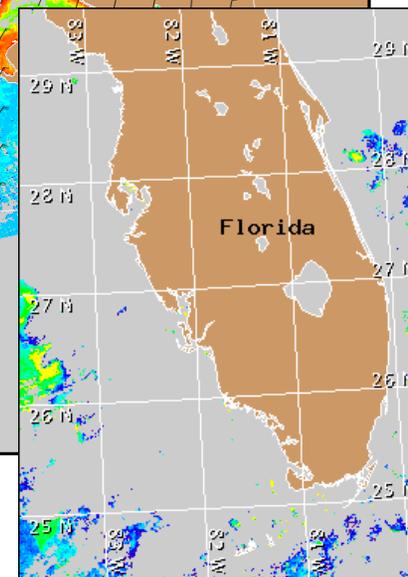
SW Florida: Northwestern winds today, with northeasterly winds tonight (15-25 knots; 8-13m/s). Northeasterly winds Friday through Sunday (10-15 knots; 5-8m/s).

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 January 25, 2008 12Z with Cell concentration sampling data from January 14 to 22 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



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

Wind conditions from Lake Worth, FL

