



Gulf of Mexico Harmful Algal Bloom Bulletin

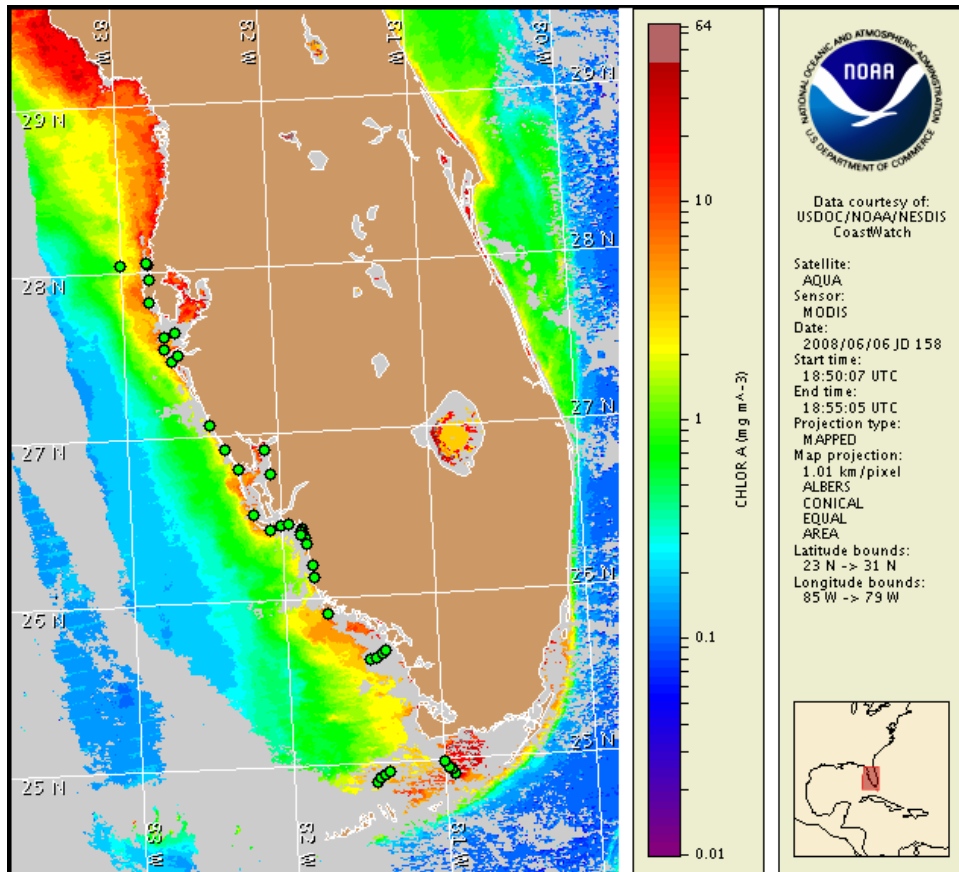
Region: South Florida

9 June 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: June 2, 2008



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 31 to June 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://www.csc.noaa.gov/crs/habf/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

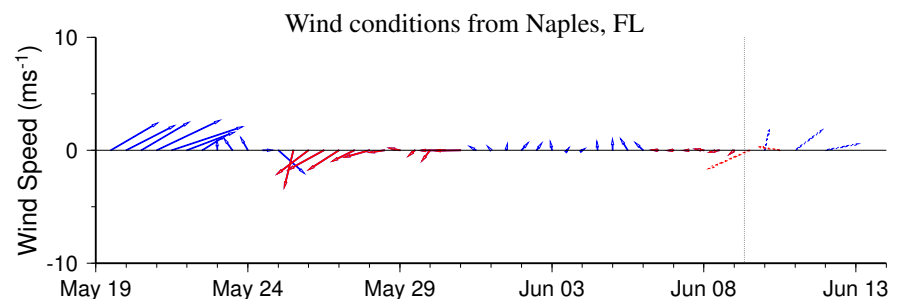
SW Florida: There is currently no indication of a harmful algal bloom at the coast in southwest Florida. No impacts are expected alongshore southwest Florida today through Sunday, June 15.

Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida. Samples collected from Pinellas to Collier County and in the Florida Keys indicate that *Karenia brevis* is not present (FWRI 6/1-5; SCHD 6/2; MML 6/3-4). Most samples also indicate elevated levels of various species of non-harmful algae (FWRI 6/1-5; MML 6/3-4). Reports of discolored water have been received from Lee, Collier and Monroe Counties (FWRI 6/6). MODIS satellite imagery indicates that chlorophyll levels have declined throughout southwest Florida from 5/31 to 6/6; however, two patches of elevated ($\sim 4 \mu\text{g/L}$) chlorophyll levels remain. The first is located ~ 8 NM west of central Pinellas County and centered at $27^{\circ}51'18''\text{N}$, $82^{\circ}57'10''\text{W}$ and the second is located ~ 8 NM offshore central Collier County and centered at $25^{\circ}49'50''\text{N}$, $81^{\circ}49'6''\text{W}$. Continued sampling is recommended.

Bloom formation is unlikely today through Friday June 13, due to variable wind conditions.

Please note that due to past technical difficulties, SeaWiFS imagery is temporarily unavailable for display on this bulletin; MODIS imagery is shown on pages 1 and 3 of this bulletin. Urizar, Fenstermacher

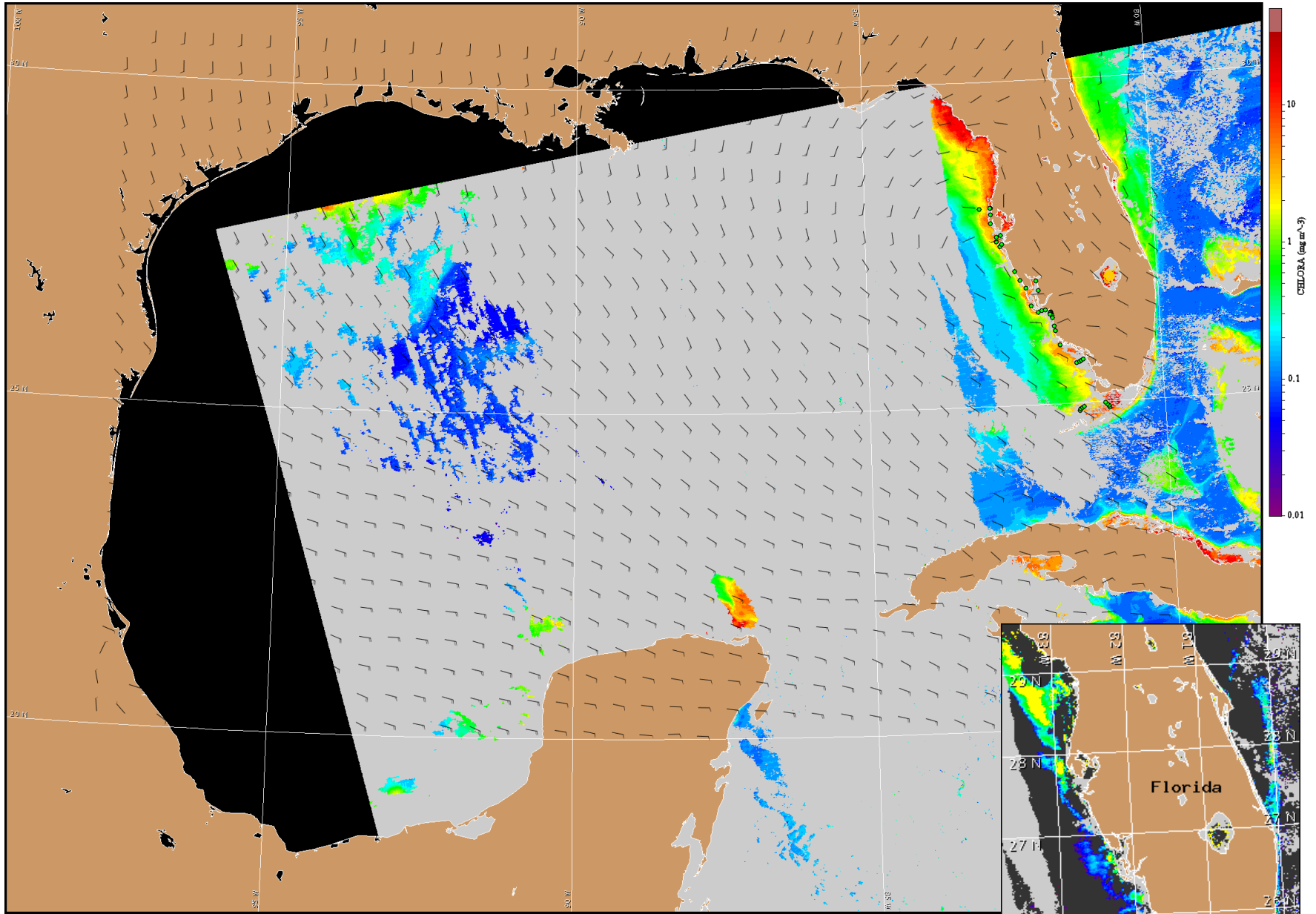


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

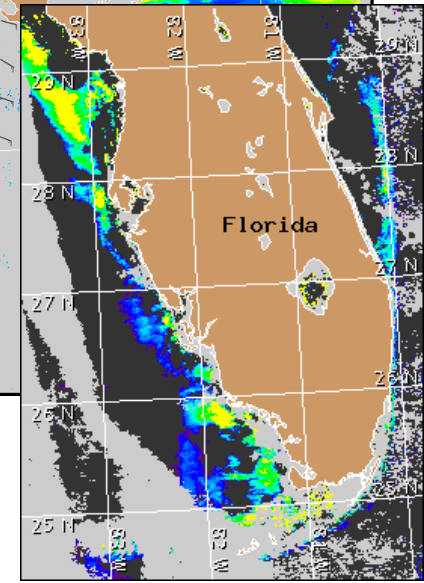
Wind Analysis

SW Florida: Southwesterlies today becoming southerlies tonight and Tuesday (10 kn, 5 m/s). Southwesterlies Tuesday afternoon and evening (5-10 kn, 3-5 m/s). Southerlies Wednesday (10 kn) becoming southwesterlies in the afternoon and westerlies by night (5-10 kn). Southeasterlies Thursday (10 kn) and southwesterlies in the afternoon. Southerlies Friday (10 kn).

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for June 10, 2008 06Z with Cell concentration sampling data from May 31 to June 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://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).