Gulf of Mexico Harmful Algal Bloom Bulletin

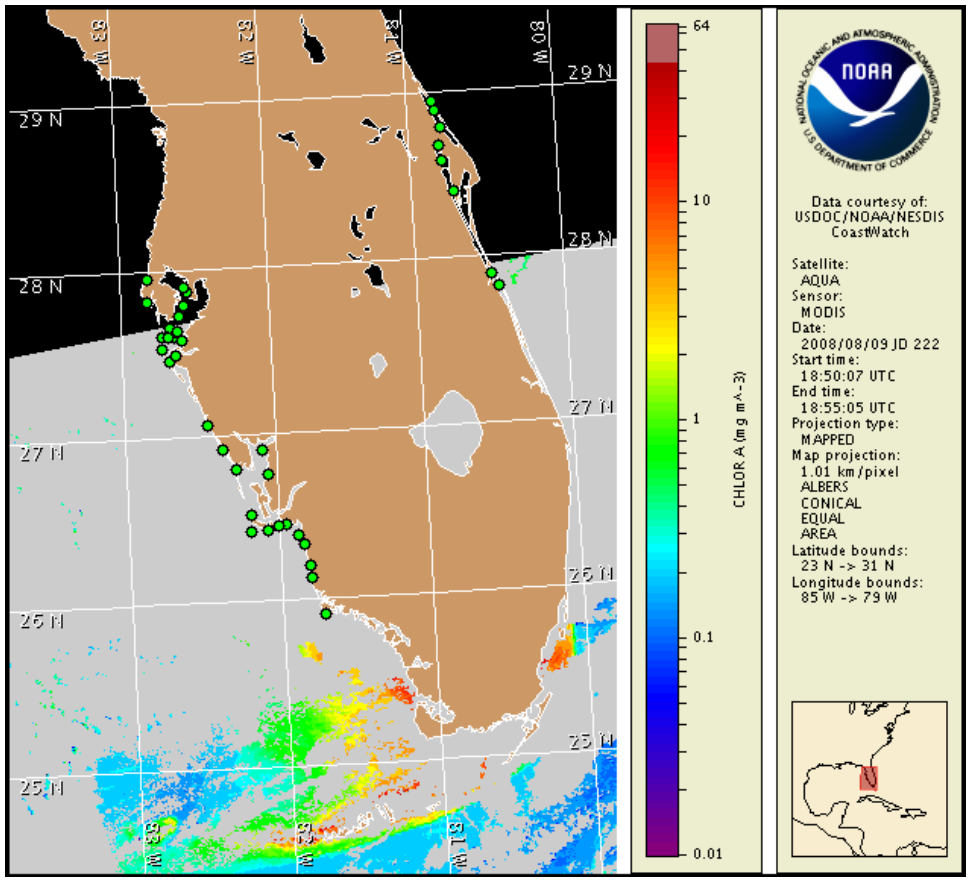
Region: South Florida

11 August 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: August 4, 2008



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 3 to 7 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, August 17.

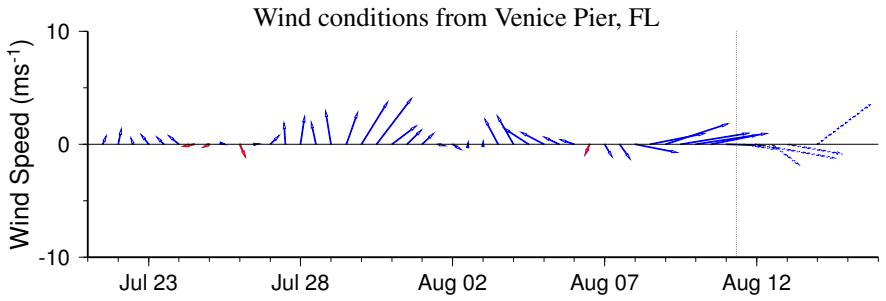
Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida. Samples collected at the coast from Pinellas to Collier County indicate that *Karenia brevis* is not present (FWRI 8/3-7; SCHD 8/4). Recent MODIS satellite imagery is obscured by cloud cover throughout southwest Florida making analysis difficult. Imagery from August 6 indicated elevated levels of chlorophyll throughout southwest Florida due to confirmed non-harmful algae.

Conditions are not favorable for bloom formation today through Friday, August 15. No impacts are expected alongshore southwest Florida today through Sunday, August 17.

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 2 of this bulletin.

Urízar, Lindley

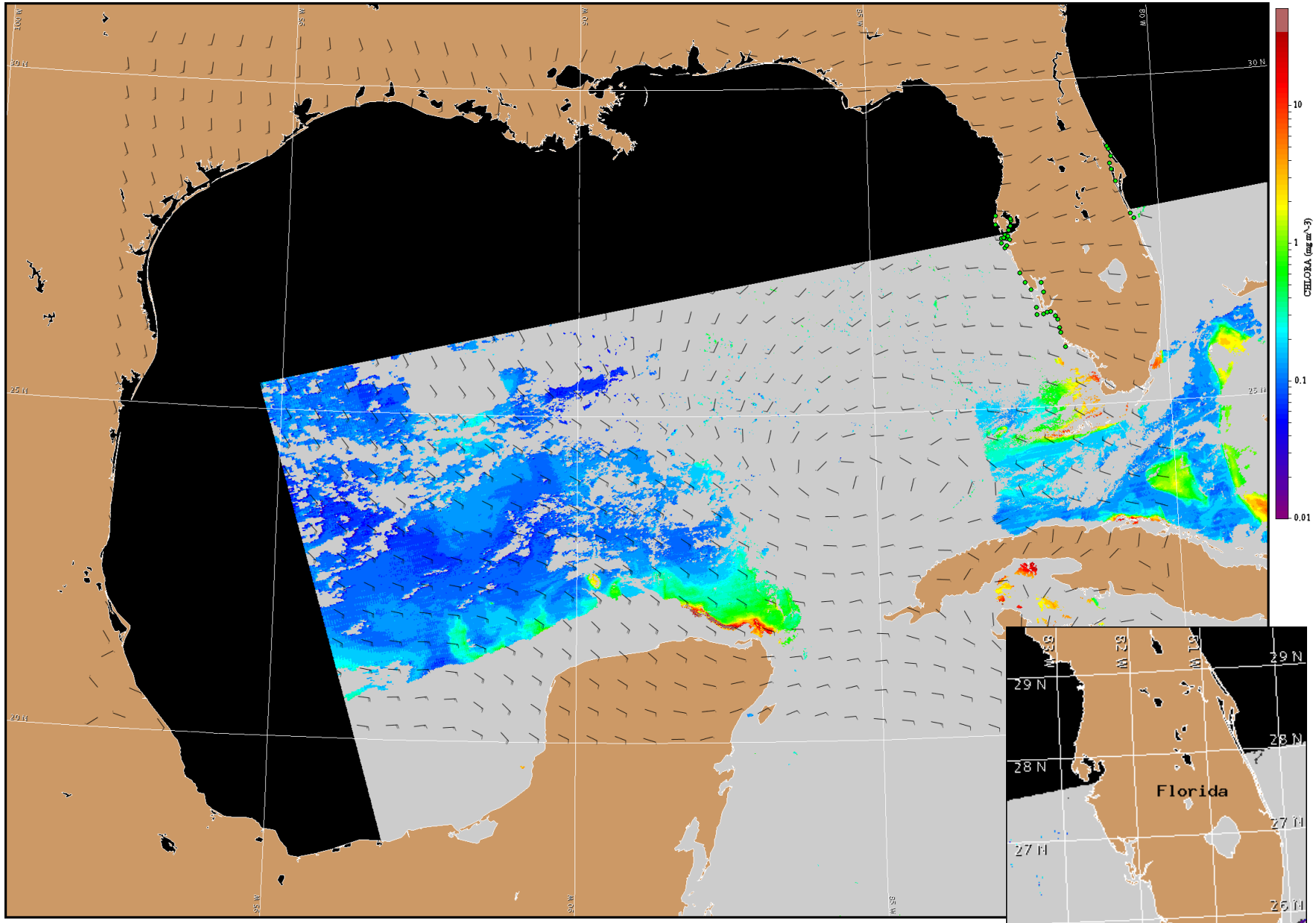


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Wind Analysis

SW Florida: Westerly winds (10 kn, 5 m/s) today through Tuesday. Southwesterly winds (10-15 kn, 5-8 m/s) on Wednesday. Southerly winds on Friday (5-10 kn, 3-5 m/s).

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 August 12, 2008 06Z with Cell concentration sampling data from August 3 to 7 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

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