Gulf of Mexico Harmful Algal Bloom Bulletin

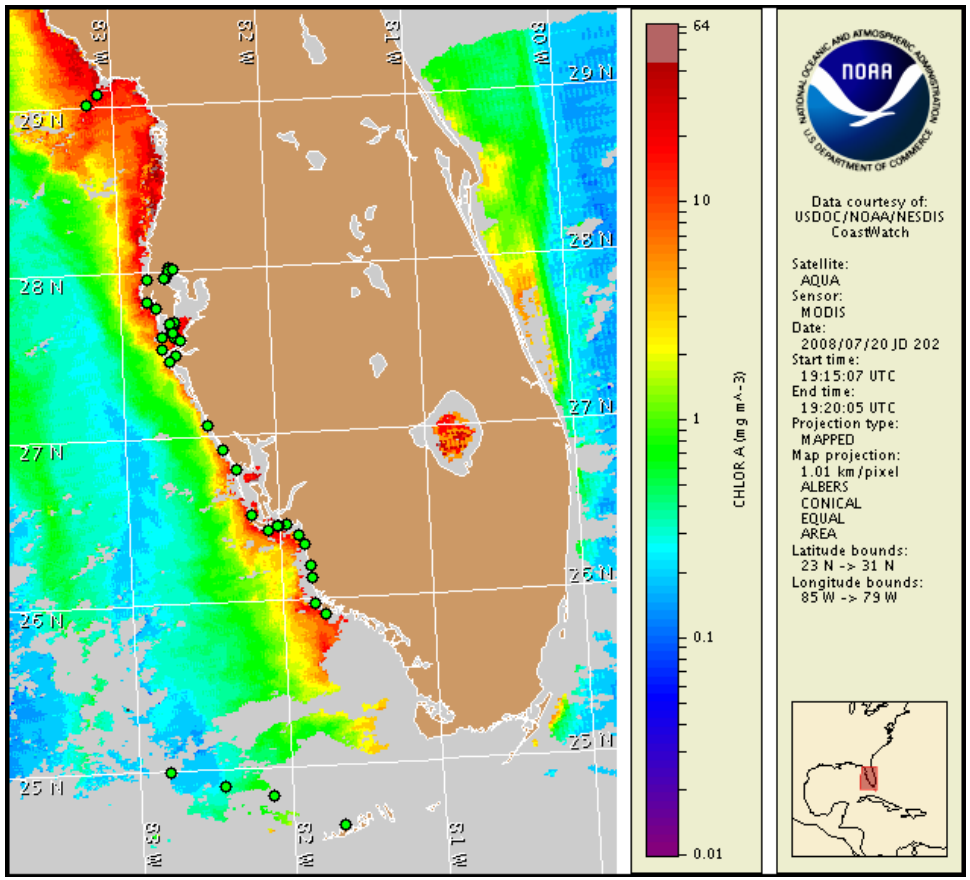
Region: South Florida

21 July 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: July 14, 2008



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 11 to 18 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

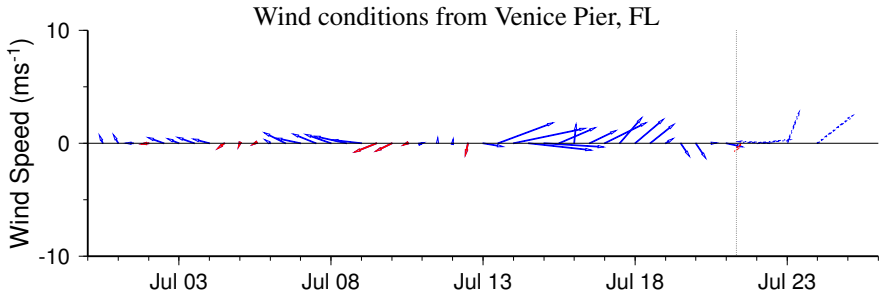
There is no currently indication of a harmful algal bloom at the coast in southwest Florida. No impacts are expected alongshore southwest Florida today through Sunday July 27.

Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida. Samples collected this week along the coast from Pinellas to Collier County, and offshore Monroe County, northwest of the lower Keys, indicate that *Karenia brevis* is not currently present (7/15-18, FWRI, MML). Patches of elevated clorophyll levels remain along the coast of Lee and Collier Counties due to the presence of nonharmful algae. Reports of discolored water have been received over the past week in the San Carlos Bay region, also associated with nonharmful algae. No impacts are expected along the coast of southwest Florida through Sunday. Conditions are not favorable for bloom formation through Sunday.

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.

- Allen, Fenstermacher

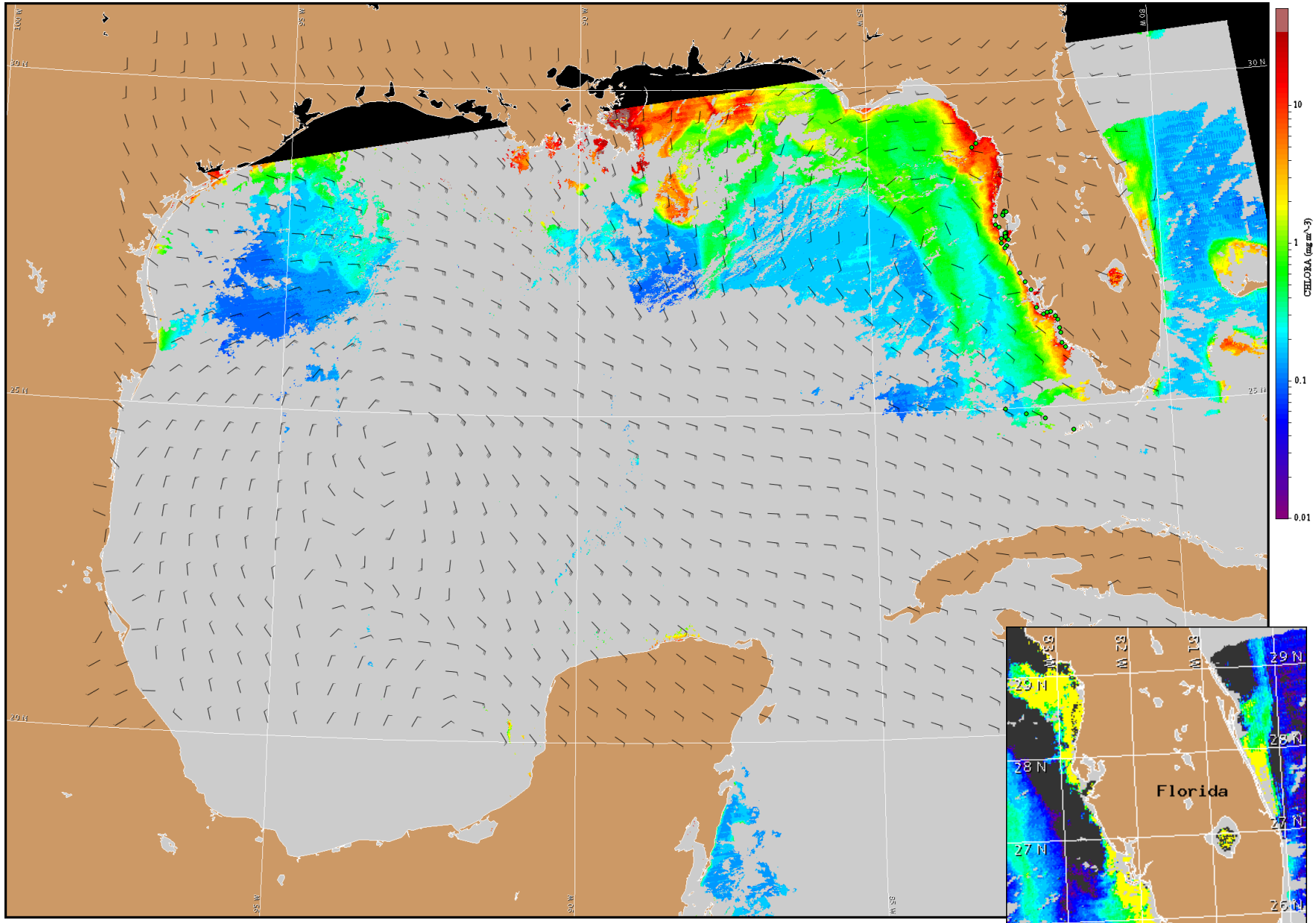


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Wind Analysis

Easterly winds today (5-10 kn, 3-5 m/s) becoming southeasterly tonight through Thursday at 5-10 knots (3-5 m/s). Easterly winds Thursday night becoming variable 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 July 22, 2008 06Z with Cell concentration sampling data from July 11 to 18 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).