



Gulf of Mexico Harmful Algal Bloom Bulletin

30 July 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: July 23, 2007

Conditions Report

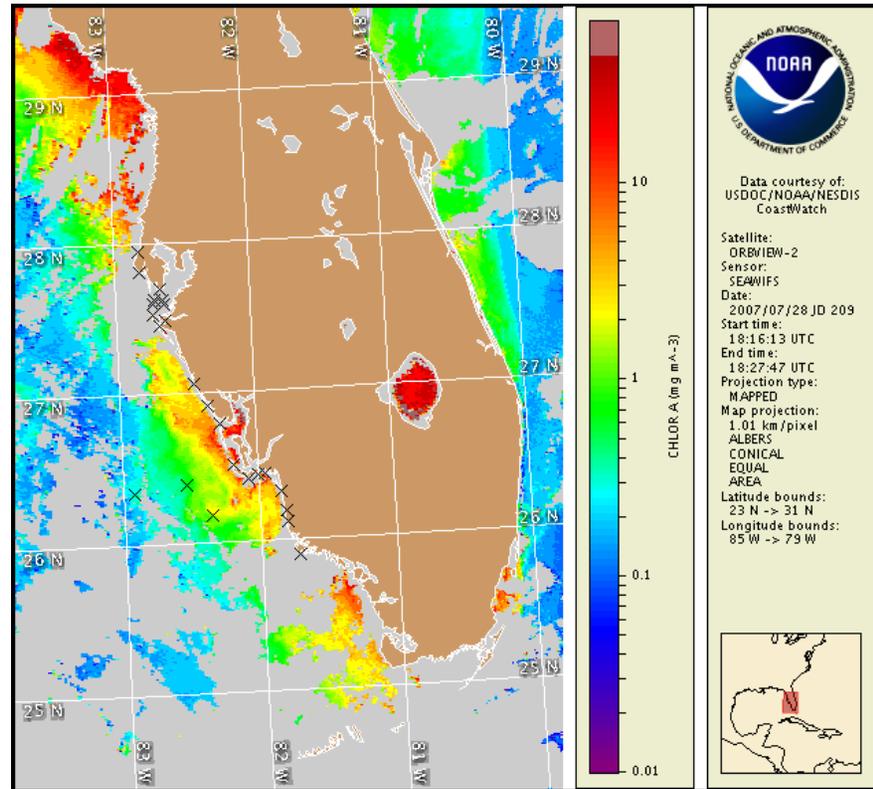
There is currently no indication of harmful algal bloom presence alongshore Southwest Florida, including the Keys region. No impacts are expected in any of the Florida counties today through Friday, August 3.

Analysis

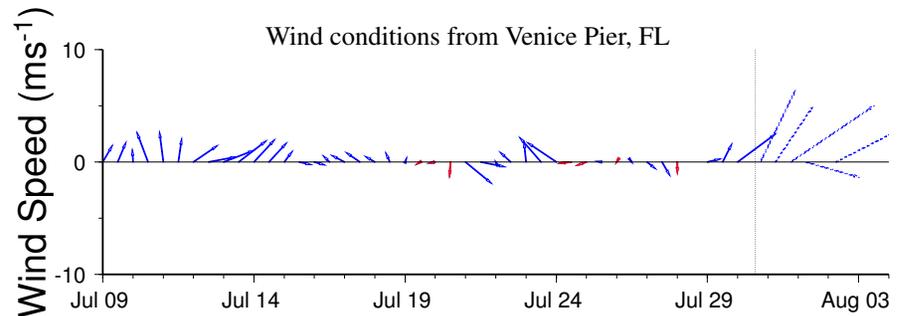
Recent sample results indicate that the harmful algae *Karenia brevis* is not present in southwest Florida (FWRI 7/23-25; SCHD 7/23). Satellite imagery (7/28) indicates patches of elevated chlorophyll levels along the coast of southwest Florida. The elevated chlorophyll patches are due to varying concentrations of non-harmful algal species as confirmed by field samples over the past few weeks (FWRI).

Conditions are not favorable for bloom formation today through Friday, August 3. No impacts are expected along the southwest Florida coast.

Urizar, Bronder



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 20-25 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

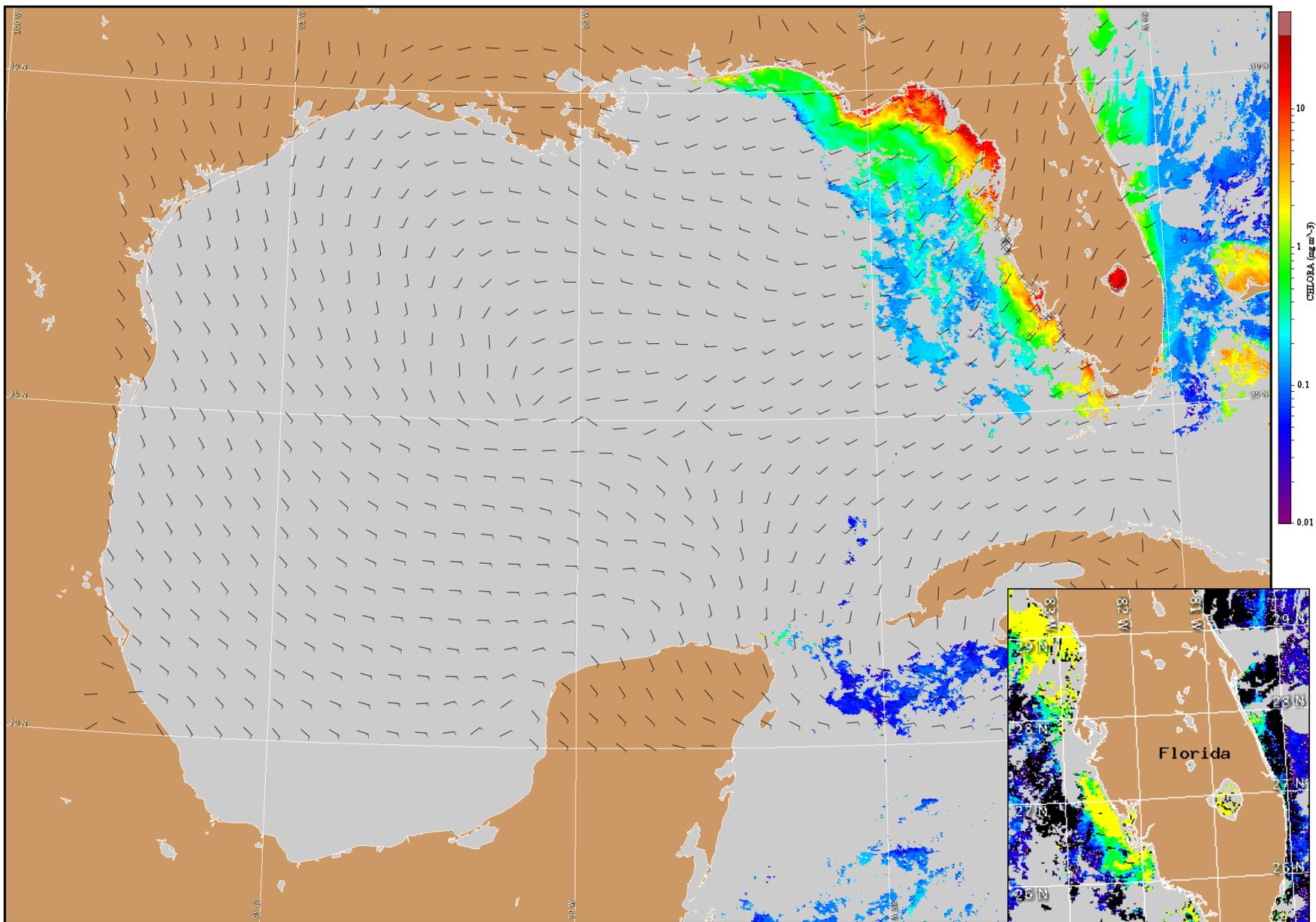


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Westerly to southwesterly winds (10-15 kt, 5-8 m/s) today through Wednesday night. Southerly winds (10-15 kt) Thursday and Friday.

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 July 31, 2007 06Z with cell concentration sampling data from July 20-25 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).