



# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

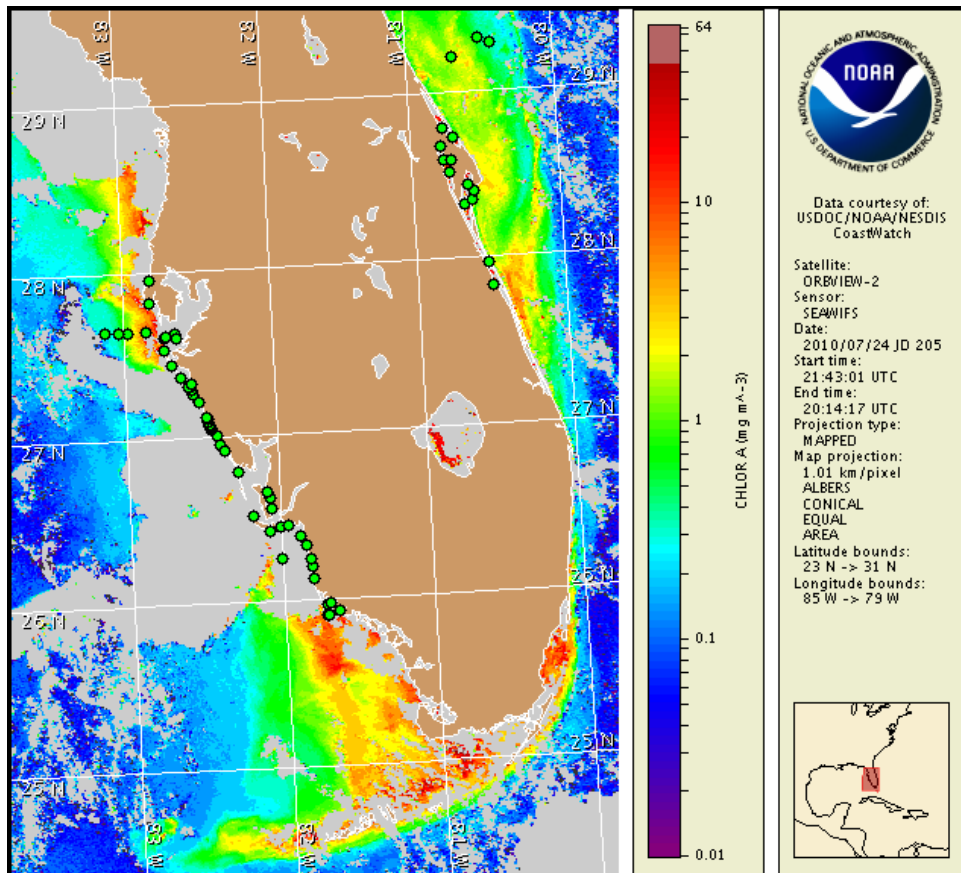
26 July 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: July 19, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 16 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://tidesandcurrents.noaa.gov/hab/habfs\\_bulletin\\_guide.pdf](http://tidesandcurrents.noaa.gov/hab/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 currently no indication of a harmful algal bloom at the coast in southwest Florida, including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, August 1.

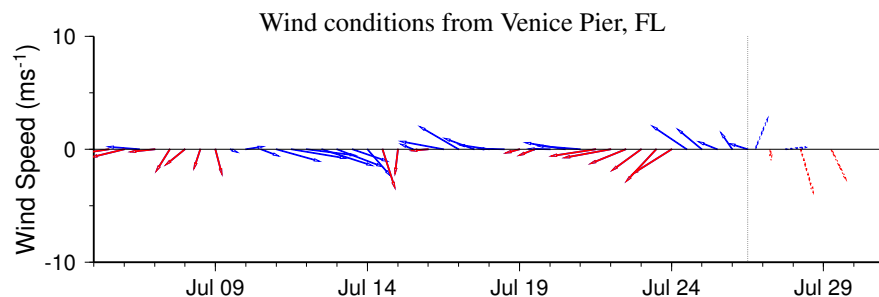
## Analysis

There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. No *Karenia brevis* was identified at the coast between Pinellas and Collier counties, offshore Pinellas and Collier counties (FWRI, MML, SCHD; 7/19-7/22), or offshore the Florida Keys in Monroe County (FWRI; 7/11).

Recent satellite imagery is partly obscured by clouds along much of the coast of southwest Florida, and is almost completely obscured between central Manatee County and northern Collier County. Elevated chlorophyll visible offshore Pinellas, central Manatee, southern Collier, and Monroe counties, is likely the result of mixed non-harmful algal blooms that continue to be reported in many southwest Florida counties (FWRI; 7/19-7/22). These regions will continue to be monitored.

Harmful algal bloom formation is not expected at the coast through Sunday, August 1.

## Yang, Urizar

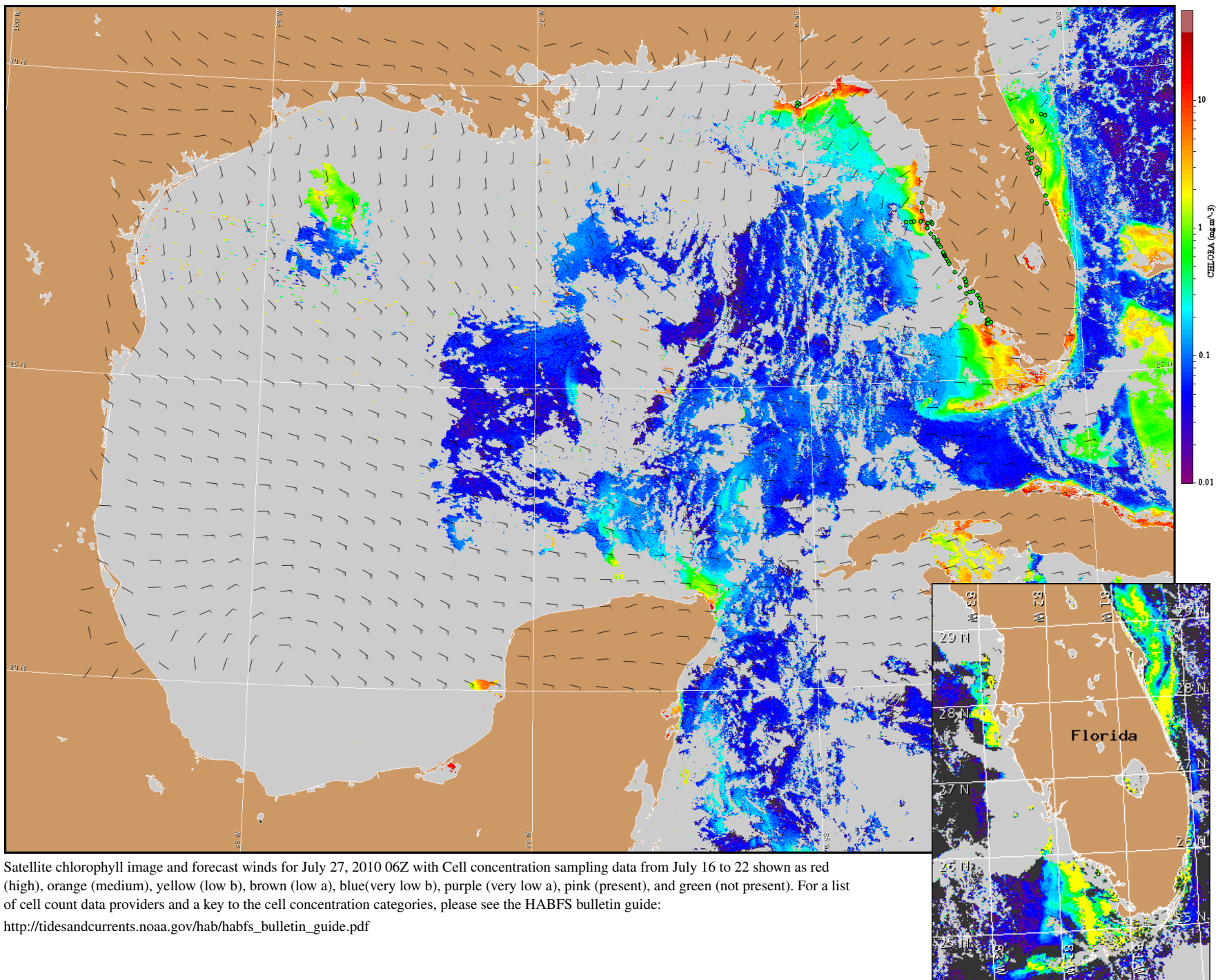


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

## Wind Analysis

**Southwest Florida:** Southeast winds (5kn, 3m/s) becoming southwest (5kn) today. Southeast winds tonight. South winds (5kn) Tuesday becoming northwest and north (5kn) Tuesday night and Wednesday. West winds (5-10kn, 3-5m/s) Wednesday night through Thursday night. Southwest winds (10kn) Friday.

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](http://coastwatch.noaa.gov/hab/bulletins_ns.htm)



Satellite chlorophyll image and forecast winds for July 27, 2010 06Z with Cell concentration sampling data from July 16 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:

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