



# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

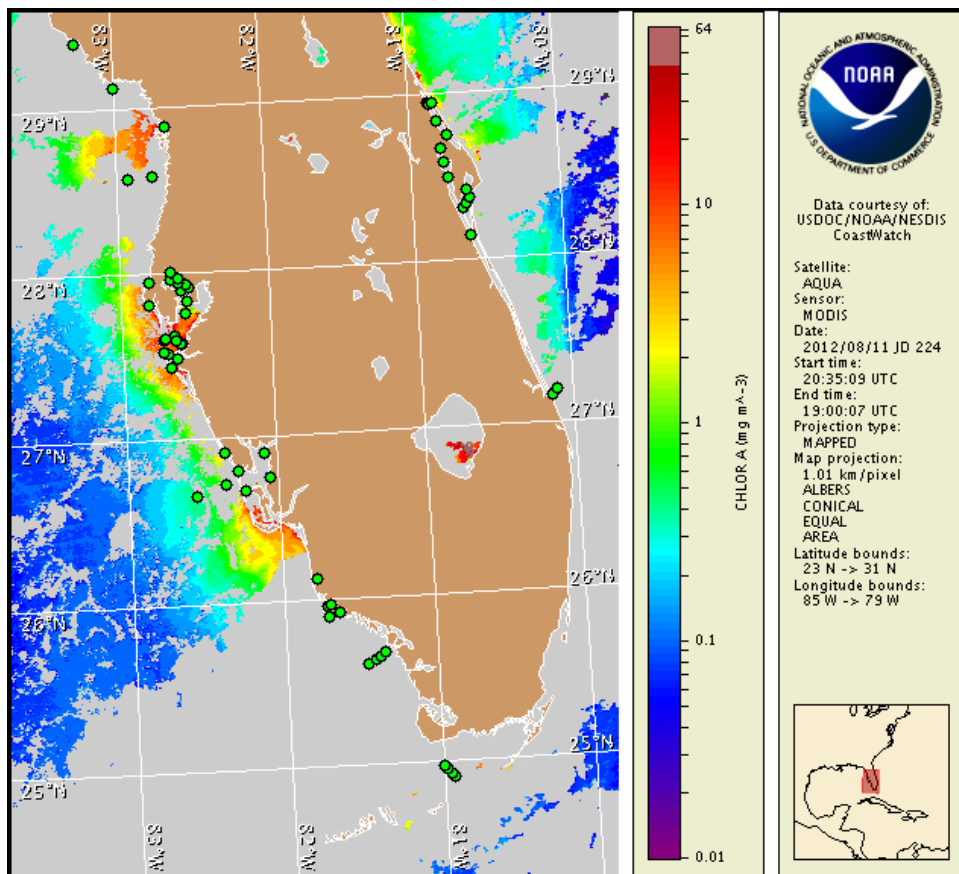
Monday, 13 August 2012

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, August 6, 2012



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from August 3 to 9 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 HAB-OFS bulletin guide:

[http://tidesandcurrents.noaa.gov/hab/habfs\\_bulletin\\_guide.pdf](http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf)

Detailed sample information can be obtained through the Florida FWC Fish and Wildlife Research Institute at:

<http://myfwc.com/research/redtide/events/status/statewide/>

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit at: <http://tidesandcurrents.noaa.gov/hab/bulletins.html>

## Conditions Report

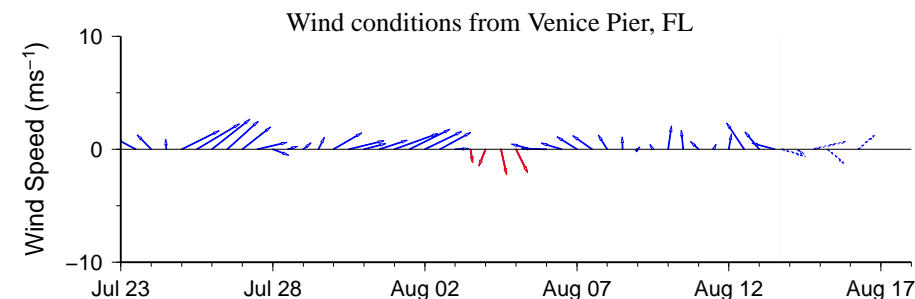
There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, August 19.

## Analysis

There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. Four background and one very low concentration of *Karenia brevis* were identified from samples collected in Sarasota Bay (8/7; MML, FWRI). *K. brevis* was not identified in samples collected alongshore Pinellas, Manatee, Charlotte, Lee and Collier counties, or offshore of Lee and the Florida Keys (8/6-10; FWRI, MML, CCPCPD, SCHD). Recent MODIS imagery is partially obscured by clouds, limiting analysis. Where visible, it appears the elevated to high chlorophyll features remain alongshore of Pinellas, Manatee and Sarasota (2 to >10  $\mu\text{g/L}$ ), and also alongshore of Charlotte, Lee and northern Collier counties (2 to ~6  $\mu\text{g/L}$ ). Discolored water and elevated chlorophyll identified at the coast may be the result of various non-toxic blooms that continue to be reported throughout the region.

Harmful algal bloom formation is not expected alongshore southwest Florida today through Sunday, August 19.

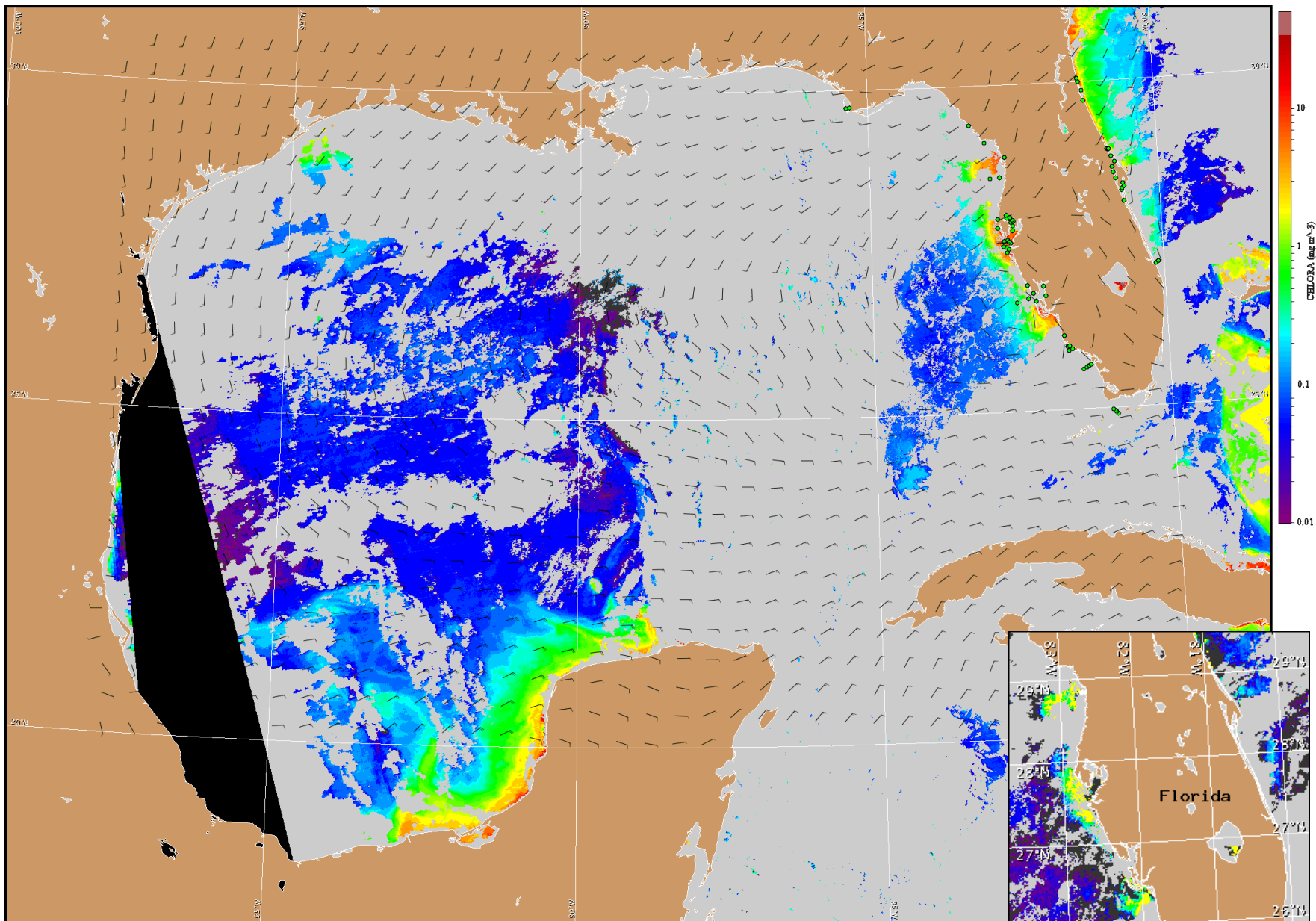
## Fenstermacher, Urizar



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

SWFL: Westerly winds today and variable winds Tuesday through Friday (5-10 kn; 3-5 m/s).



Satellite chlorophyll image and forecast winds for August 14, 2012 06Z with cell concentration sampling data from August 3 to 9 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 HAB-OFS 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).