



# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

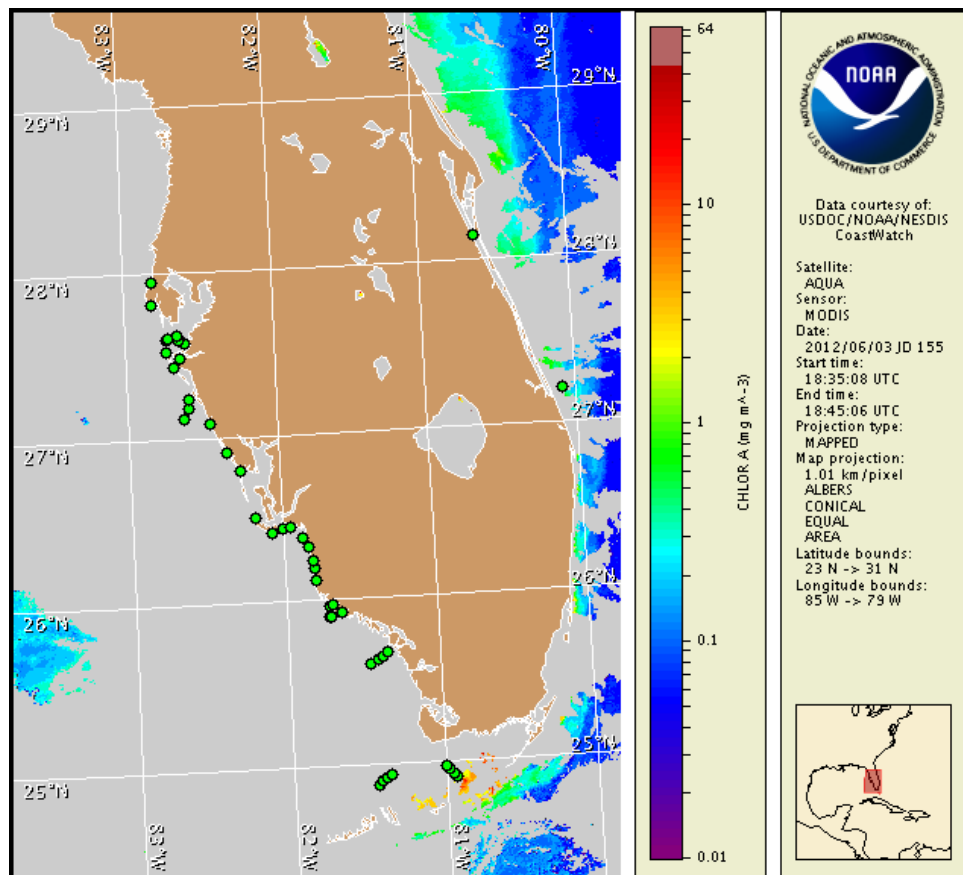
Monday, 04 June 2012

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Tuesday, May 29, 2012



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 25 to 31 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, June 10.

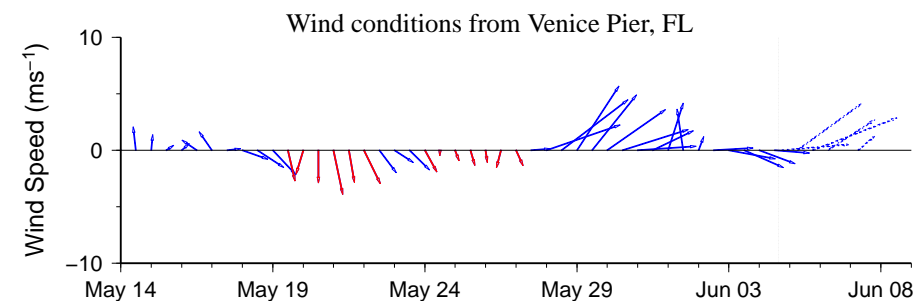
## Analysis

There is currently no indication of a *Karenia brevis* bloom in southwest Florida or the Keys. Recent samples collected from New Pass in Sarasota County identified background concentrations of *K. brevis* (5/30-6/1; MML). All other samples collected alongshore Pinellas, Manatee, Sarasota, Charlotte, Lee, Collier and Monroe counties indicate that *K. brevis* is not present (5/25-6/1; FWRI, MML, SCHD, CCPCPD).

Recent MODIS imagery remains obscured by clouds along the coast of southwest Florida, limiting analysis.

Harmful algal bloom formation alongshore southwest Florida is not expected today through Sunday, June 10.

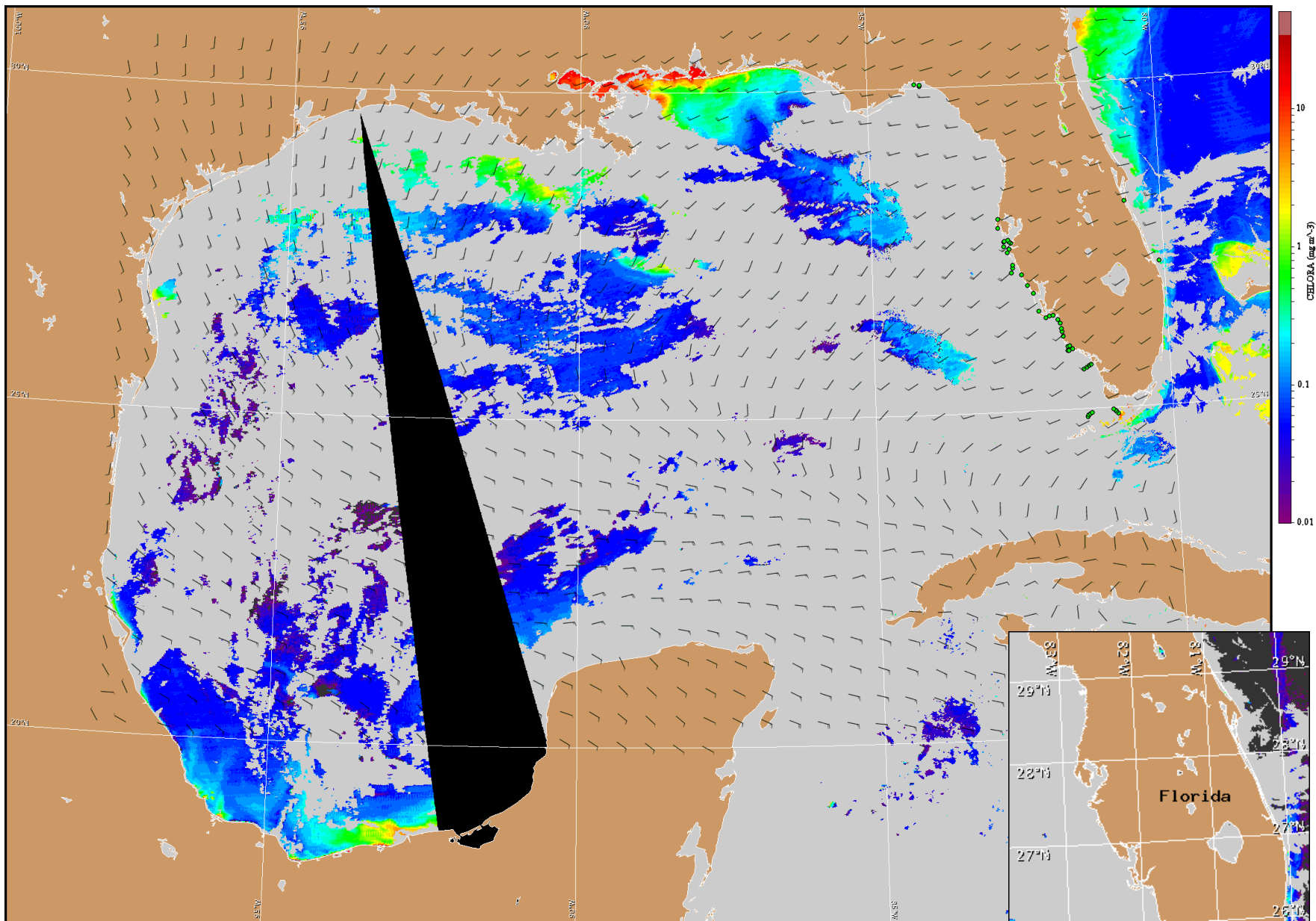
Fenstermacher, Derner



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).

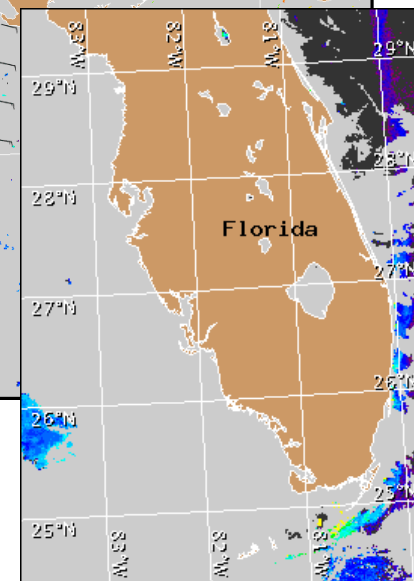
## Wind Analysis

SW Florida: Westerlies today and Tuesday (10-15 kn; 5-8 m/s). South to southwesterlies on Wednesday and Thursday (10-15 kn). West to northerlies on Friday (5-10 kn; 3-5 m/s).



Satellite chlorophyll image and forecast winds for June 5, 2012 06Z with cell concentration sampling data from May 25 to 31 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).