



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

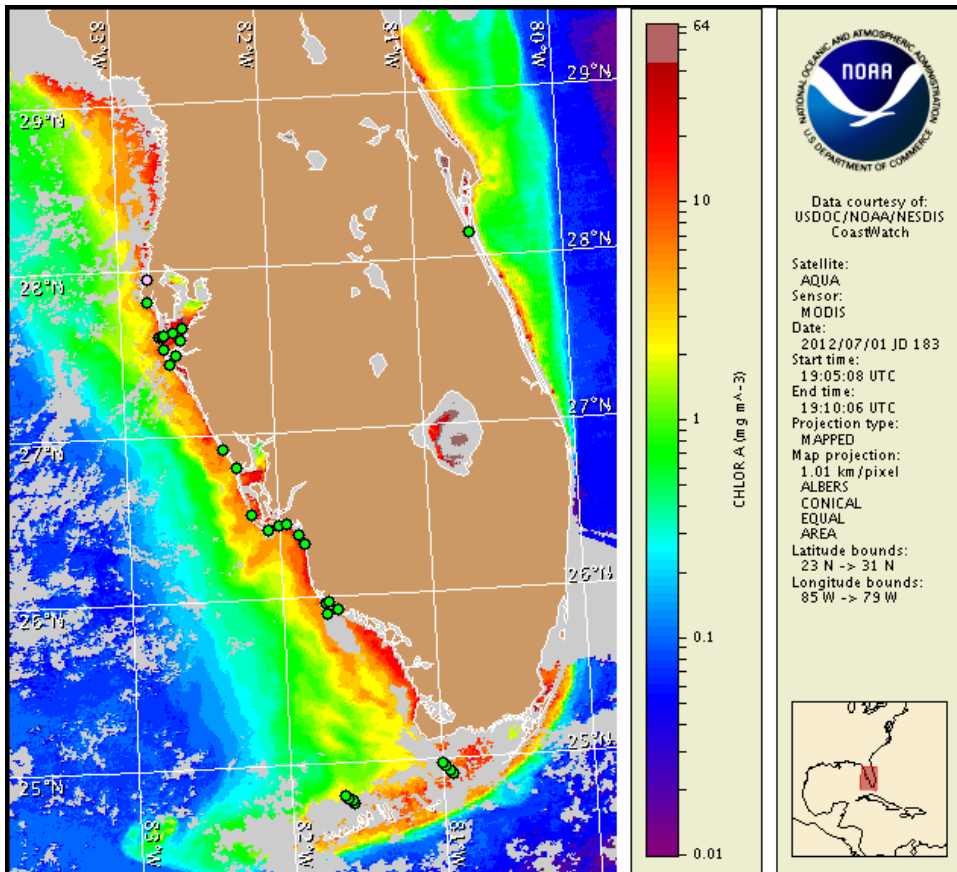
Monday, 02 July 2012

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, June 25, 2012



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from June 22 to 29 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

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, July 8.

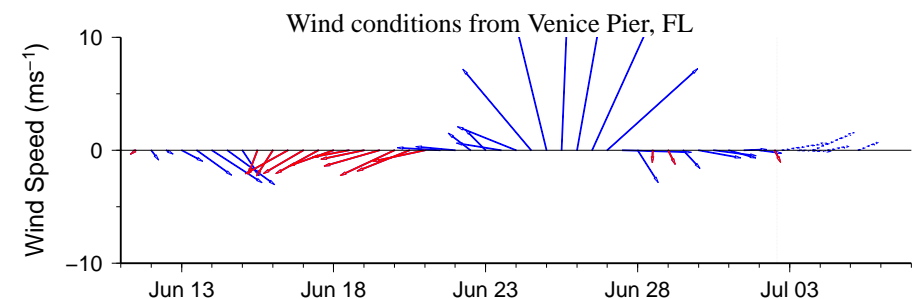
Analysis

There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. Background concentrations of *Karenia brevis* were identified from one sample collected alongshore Clearwater Pass of northern Pinellas County (6/28; FWRI). All other samples collected along- and offshore from Pinellas to Monroe counties, including the Florida Keys, indicate that *K. brevis* is not present (6/18-6/29; CCPCPD, FWRI, MML, SCHD).

Recent MODIS imagery (7/1; shown left) is partially obscured. A 10-20 km wide band of elevated to very high chlorophyll ($1 > 20 \mu\text{g/L}$) is visible alongshore from Pinellas to Monroe counties. Elevated chlorophyll along the coast is likely the result of non-toxic algal blooms that continue to be reported in several counties alongshore southwest Florida (6/18-6/29; FWRI).

Harmful algal bloom formation alongshore southwest Florida, including the Florida Keys, is not expected today through Sunday, July 8.

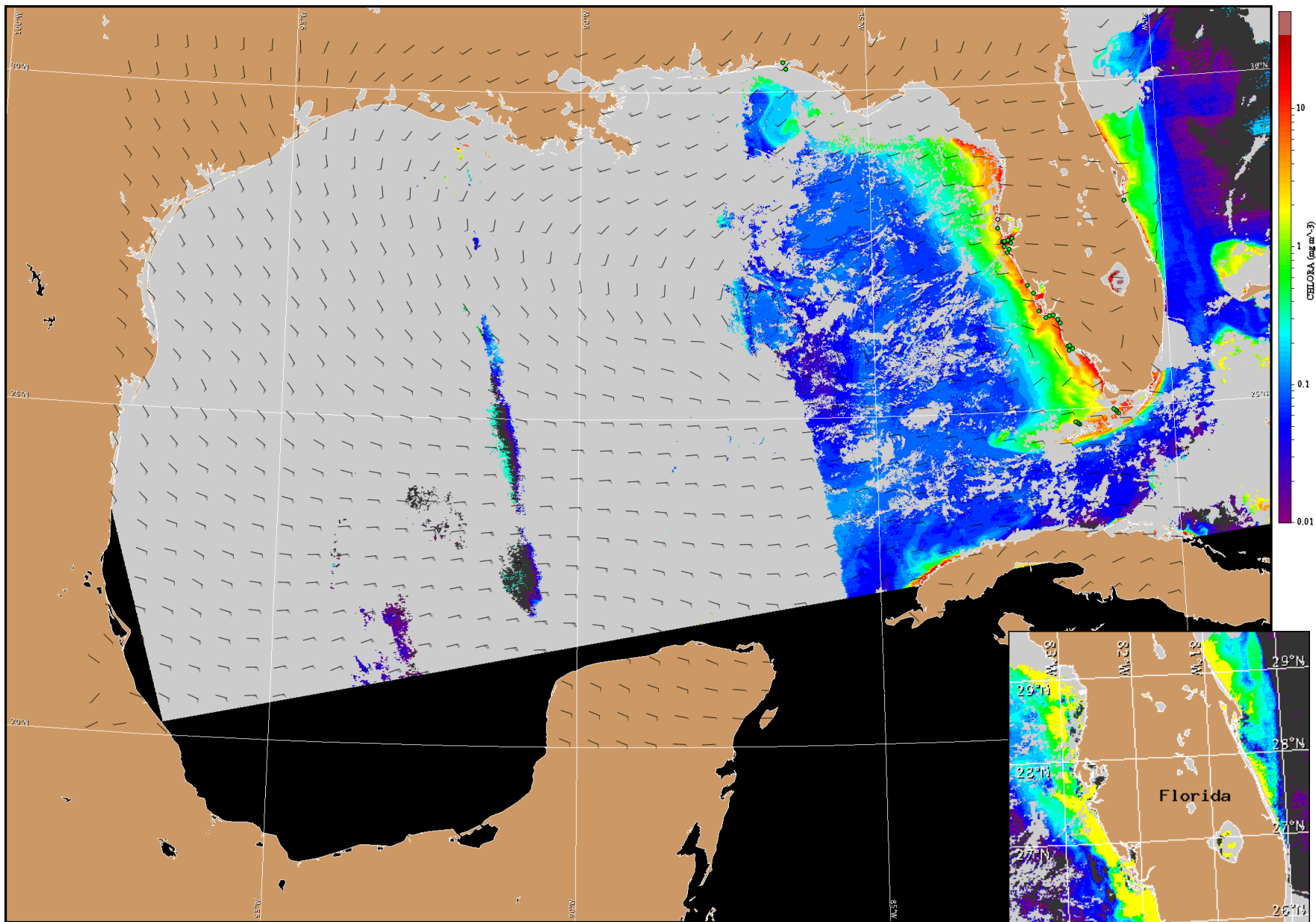
Yang, Derner



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).

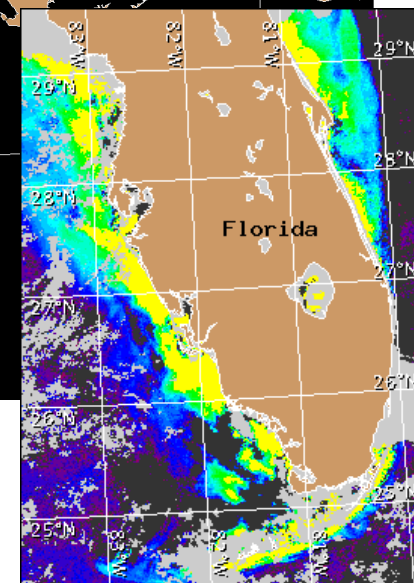
Wind Analysis

West to northwest winds (5-10 kn, 3-5 m/s) today through Wednesday. West winds (10 kn, 5 m/s) Wednesday night becoming northeast (5 kn, 3 m/s) after midnight. North winds (5 kn) Thursday through Friday.



Satellite chlorophyll image and forecast winds for July 3, 2012 06Z with cell concentration sampling data from June 22 to 29 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).