



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

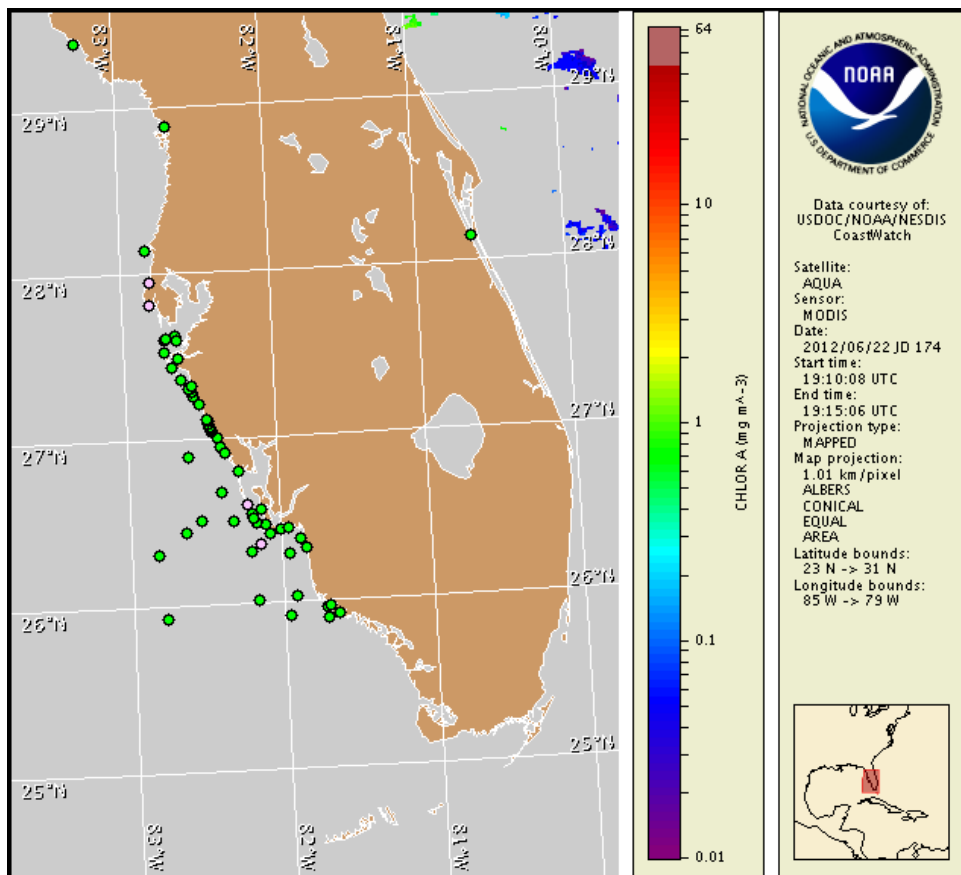
Monday, 25 June 2012

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, June 18, 2012



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from June 15 to 20 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

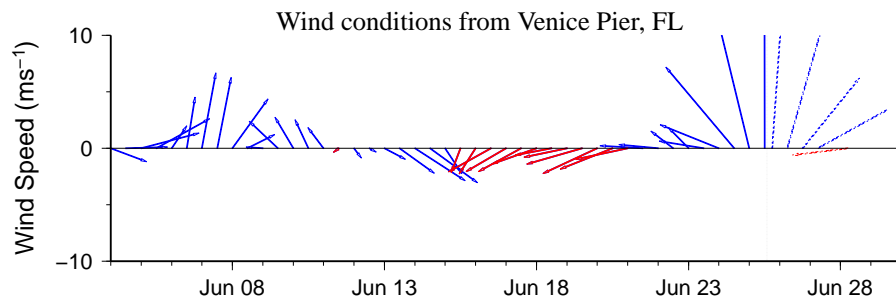
There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, July 1.

Analysis

Recent samples indicate that the patchy harmful algal bloom last identified on June 12 (FWRI) offshore Lee County may have dissipated. Background concentrations of *Karenia brevis* were identified from samples collected alongshore Captiva Pass in the Pine Island Sound region of northern Lee County and approximately 4.4 miles west of Captiva Island in southern Lee County (6/13-18; FWRI). In Pinellas County, background concentrations were identified from alongshore Clearwater Pass and again from Redington Pier and Mullet Key on the gulfside (6/18; FWRI). Background to 'very low' concentrations of *K. brevis* were identified from two samples collected from New Pass in northern Sarasota County (6/18-19; FWRI). All other samples collected along- and offshore Manatee, Charlotte, Collier and Monroe counties, indicate that *K. brevis* is not present (6/15-20; FWRI).

Recent MODIS imagery (6/22; shown left) is completely obscured by clouds along the coast of southwest Florida, limiting analysis. Harmful algal bloom formation alongshore southwest Florida, including the Florida Keys, is not expected today through Sunday, July 1.

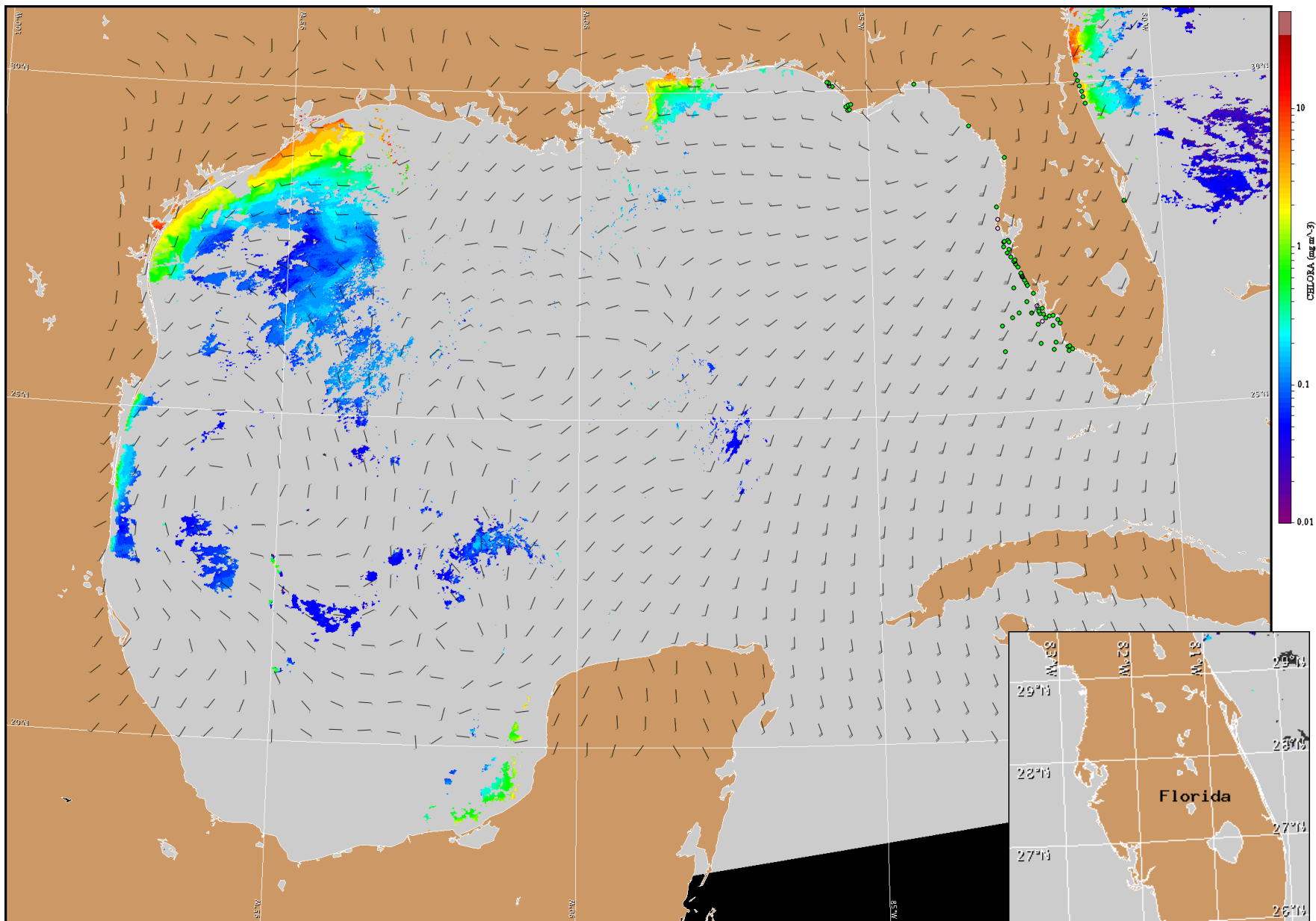
Kavanaugh, Burrows



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).

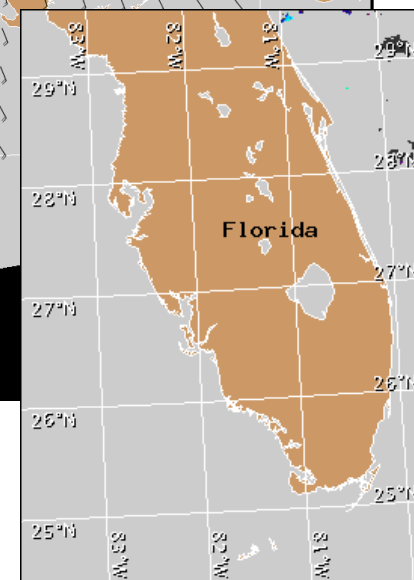
Wind Analysis

South winds (30-35 kn, 15-18 m/s) with gusts of around 50 kn (25 m/s) today through Thursday. South to southwest winds (15-20 kn, 8-10 m/s) Thursday night through Friday.



Satellite chlorophyll image and forecast winds for June 26, 2012 06Z with cell concentration sampling data from June 15 to 20 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).