



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

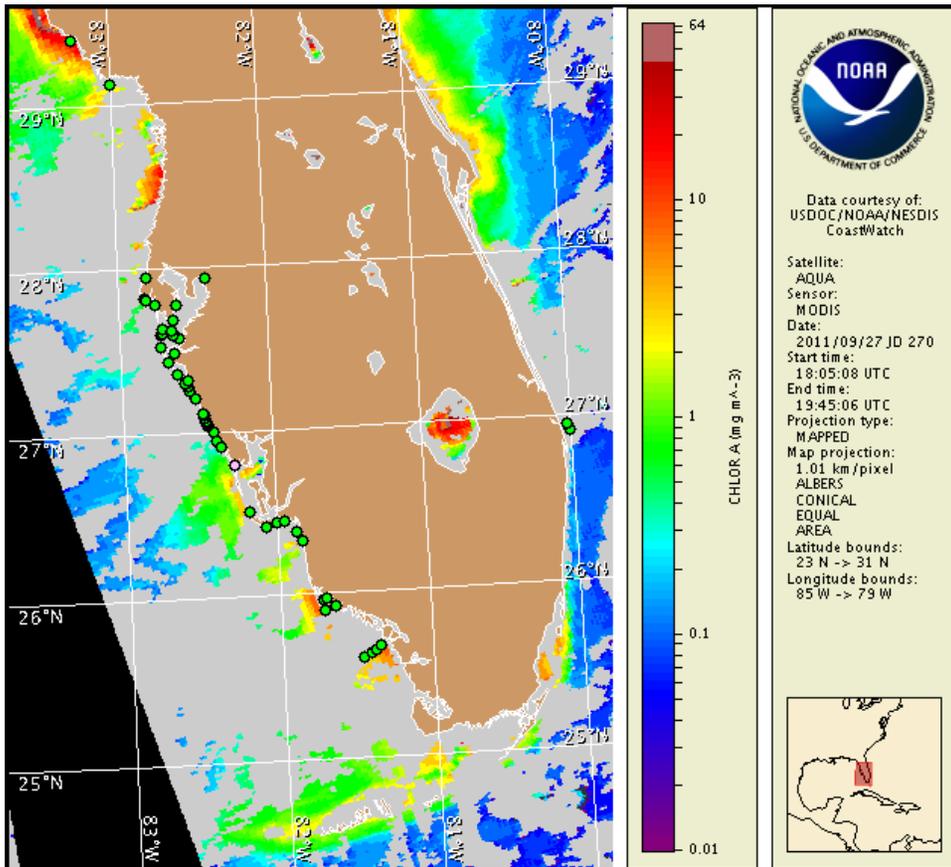
Wednesday, 28 September 2011

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, September 26, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from September 18 to 25 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/habofs_bulletin_guide.pdf

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive:
<http://tidesandcurrents.noaa.gov/hab/bulletins.html>

Conditions Report

A harmful algal bloom has been identified at the coast in southern Sarasota County. Patchy very low impacts are possible today in southern Sarasota County. No impacts are expected elsewhere alongshore southwest Florida today.

Analysis

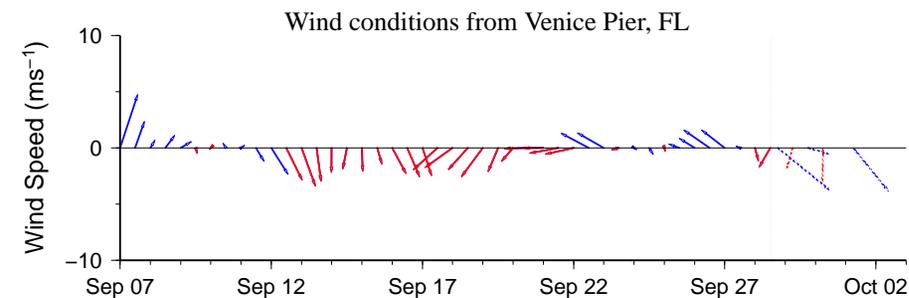
**** This is a supplemental bulletin to bulletin number 39, issued Monday September 26, to report a confirmed bloom in southern Sarasota County. As of today, September 28, southwest Florida bulletins will be issued twice weekly on Mondays & Thursdays due to current harmful algal bloom activity.****

A harmful algal bloom has been identified at the coast in southern Sarasota County. Medium concentrations of *Karenia brevis* were found in a sample collected Monday at Manasota Key (not shown; 9/26 SCHED). Additionally, samples collected Monday at Venice Beach, Service Club Park and Blind Pass Beach all contained Very Low concentrations of *K. brevis* (9/26 SCHED). All other samples collected in this region had background concentrations (9/26 SCHED).

Recent MODIS satellite imagery (9/27; shown left) and imagery from the previous bulletin are both obscured by clouds alongshore southern Sarasota County. As a result, the extent of this bloom cannot be determined via chlorophyll analysis.

Forecasted winds today and Wednesday will reduce the potential for impacts at the coast. Conditions are favorable for bloom intensification and further bloom formation alongshore southwest Florida today.

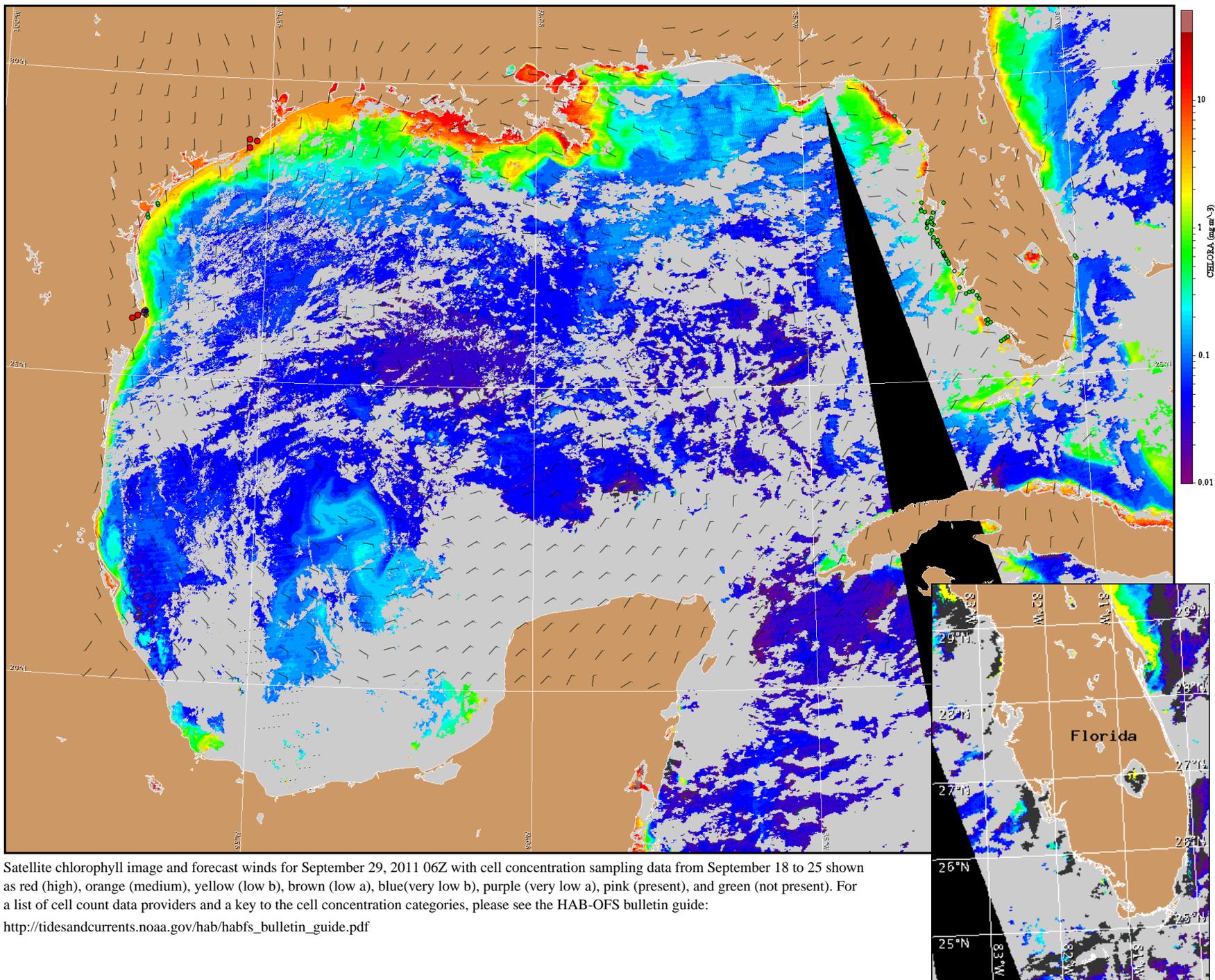
Urizar, Kavanaugh



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: Northwesterly to northerly winds (10 kn, 5 m/s) today.



Satellite chlorophyll image and forecast winds for September 29, 2011 06Z with cell concentration sampling data from September 18 to 25 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).