# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: South Florida

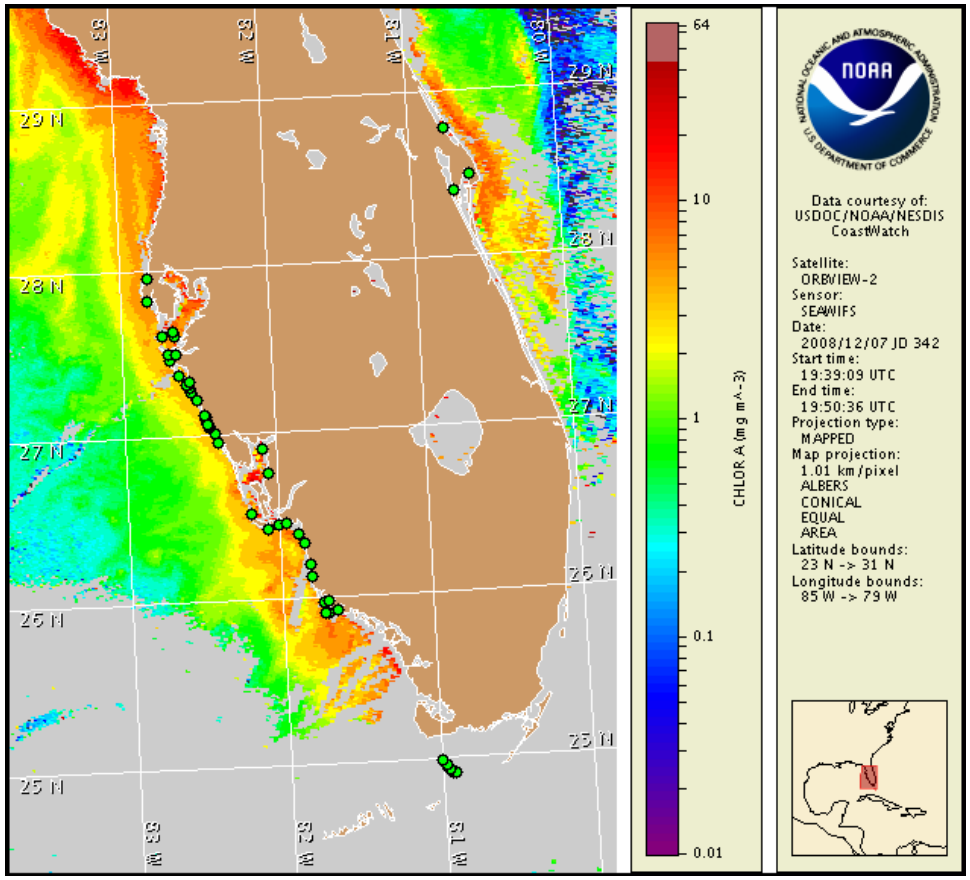
8 December 2008

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: December 1, 2008




Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from November 28 to December 5 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 HABFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

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## Conditions Report

There is currently no indication of a harmful algal bloom at the coast in southwest Florida. No impacts are expected alongshore southwest Florida today through Monday, December 15.

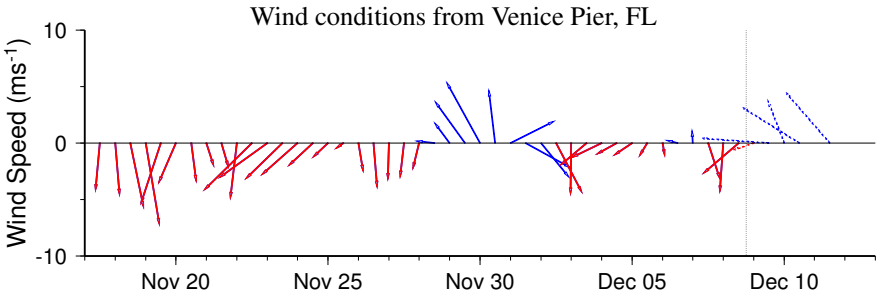
## Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida. No *Karenia brevis* has been identified at the coast of southwest Florida in the past week (FWRI, SCHD, and MML; 12/01-12/05). A small patch of elevated chlorophyll (up to 5$\mu$g/L ) is visible on recent SeaWiFS imagery, located approximately 15 miles offshore of Collier County and centered at 25°55'11.2"N, 82°1'43.1"W.

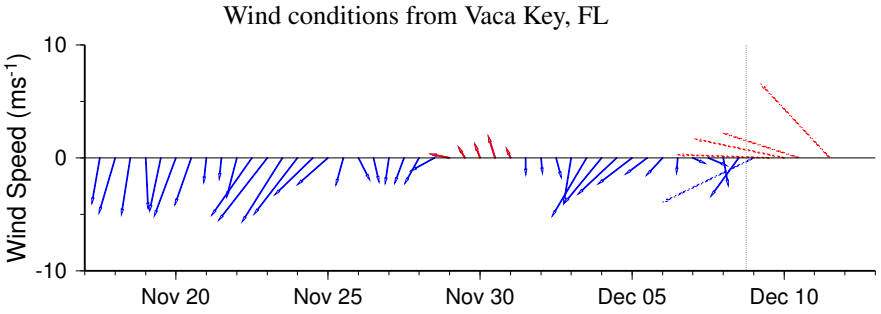
Winds will be mainly offshore this week. The potential for bloom formation will increase on Thursday and Friday.

Imagery over the past week continues to show dissipation of elevated chlorophyll levels north of the Florida Keys. The feature will likely continue maintaining its location throughout the week.

~ Gan, Fisher



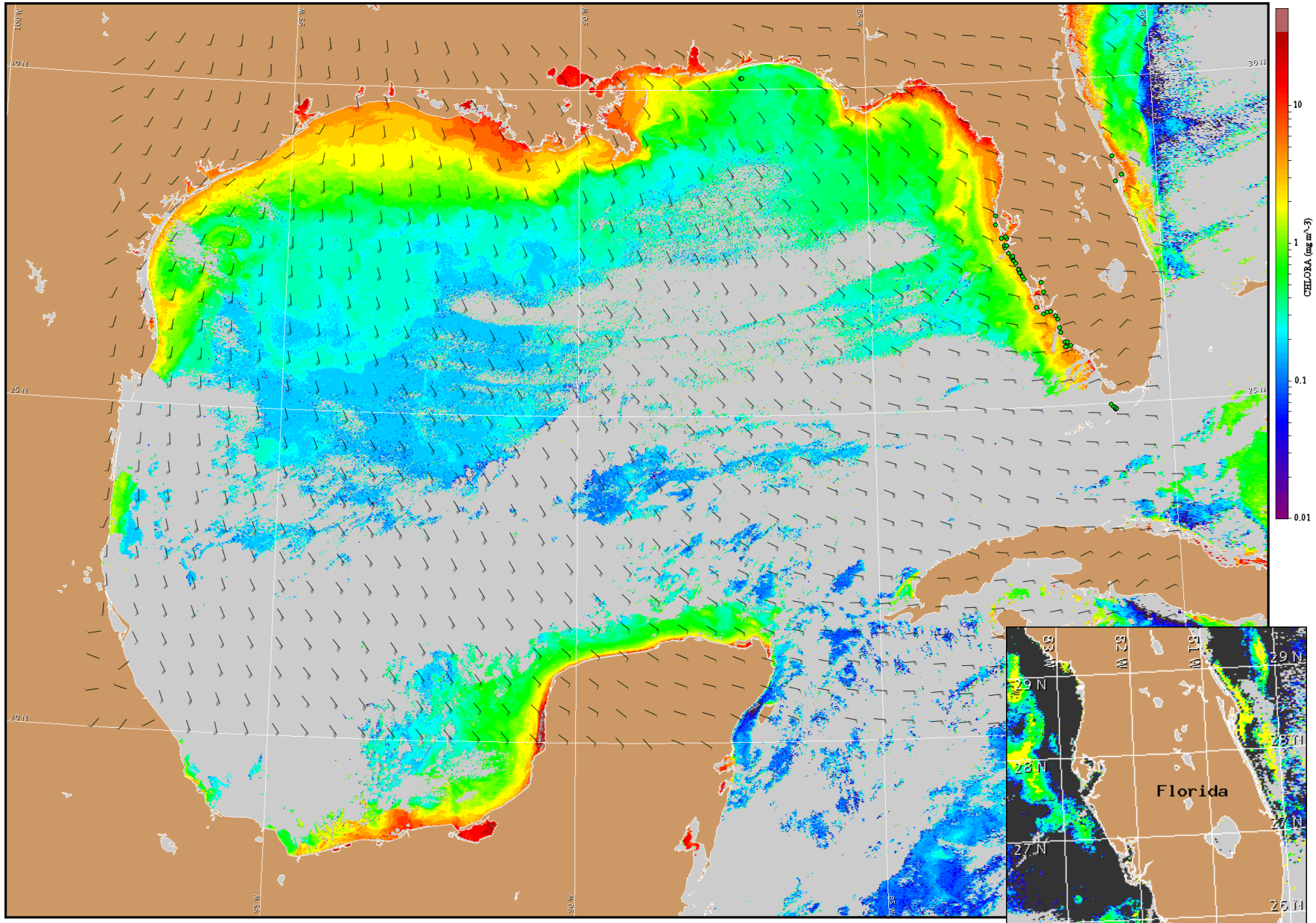

Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).




## Wind Analysis

East winds today (5-15kn, 3-8m/s). Southeast winds Tuesday at 15kn. Southeast winds Wednesday turning into Southwest winds at night (15-20kn, 8-10m/s). Northwest winds Thursday (15-20kn) and North winds Friday (5-10kn, 3-5m/s).

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm




Satellite chlorophyll image and forecast winds for December 9, 2008 12Z with Cell concentration sampling data from November 28 to December 5 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 HABFS bulletin guide: http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf




Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).