



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: South Florida

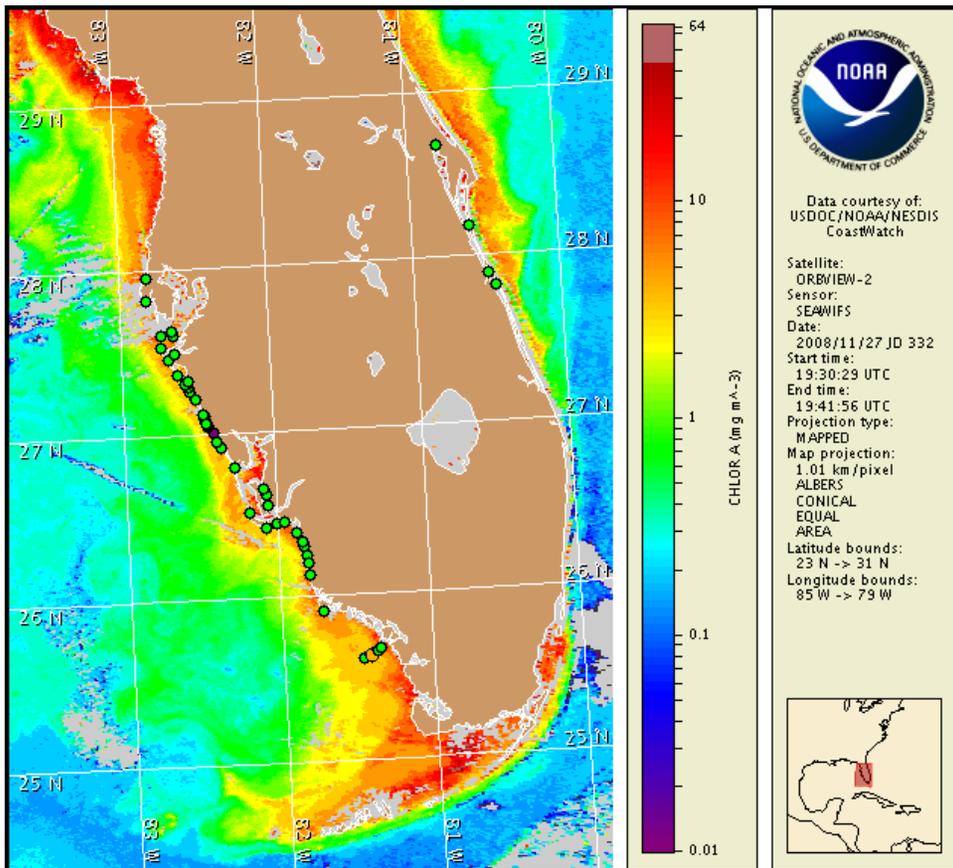
28 November 2008

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: November 24, 2008



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

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

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

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 1st.

Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida. Samples collected early this week (11/24, SCHD) showed that *Karenia brevis* was not present at Manasota Beach, where background concentrations had been detected early last week. Additionally, no *K. brevis* was reported in samples collected between Pinellas and Collier Counties this week (FWRI, SCHD, MML 11/24-11/26). Chlorophyll levels throughout southwest Florida appear to be dissipating, as indicated by SeaWiFS imagery in the past week. An elevated chlorophyll feature remains visible north of the Florida Keys, presently extending from 25°7'7.31"N, 81°46'41.4"W southward to 24°41'55.5"N, 81°45'6.4"W.

Onshore winds are expected today through Monday, December 1st. Bloom formation is unlikely.

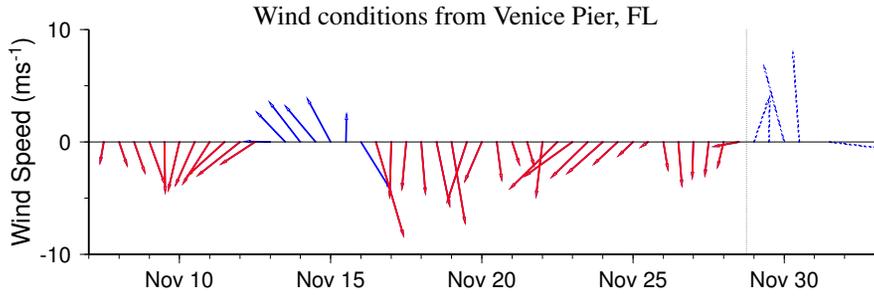
* Normal bulletin dissemination will resume on Monday, December 1st.

-Gan, Fisher

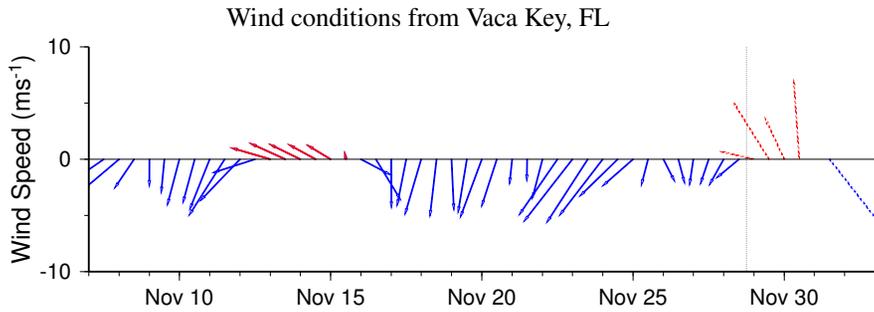
Wind Analysis

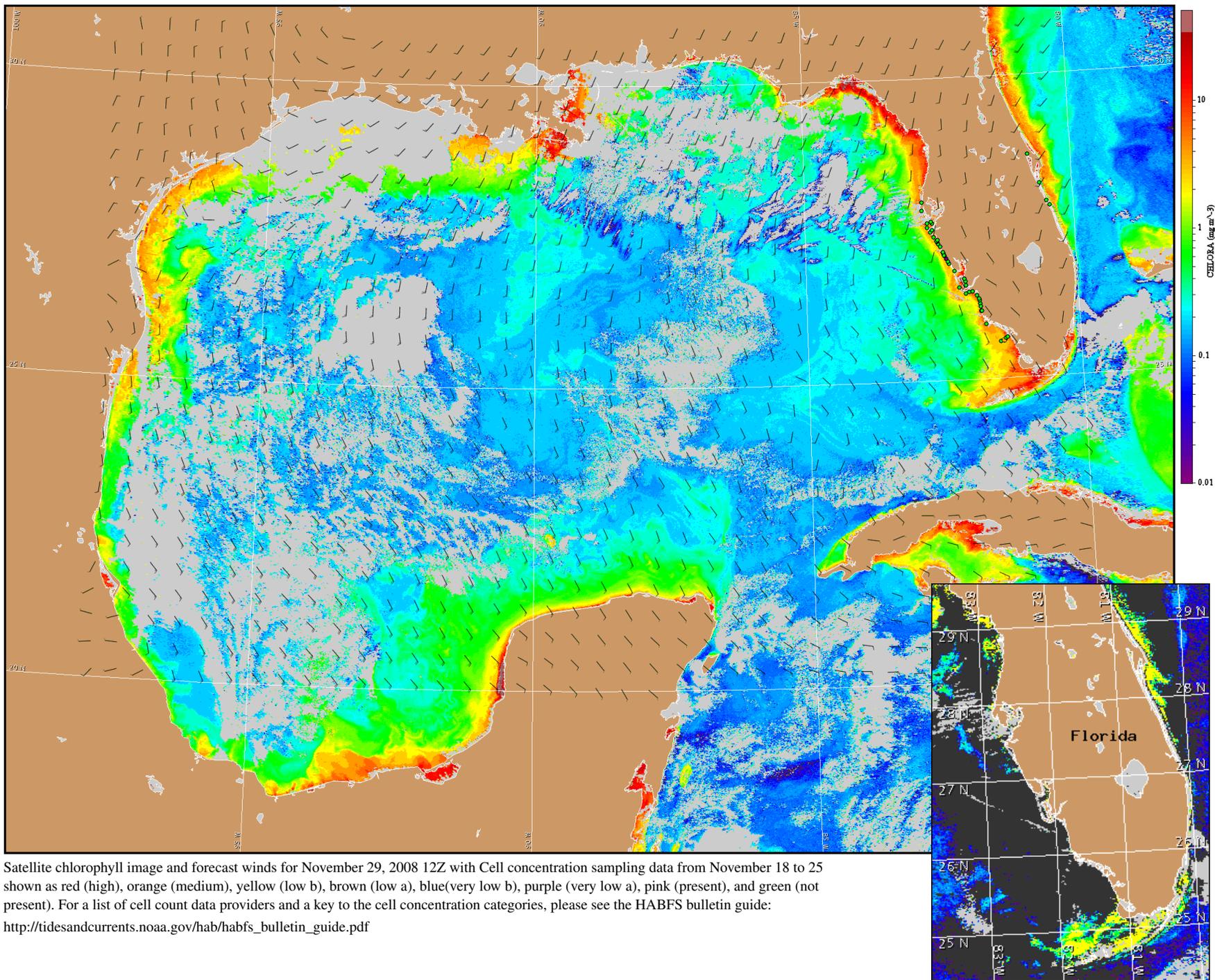
SW Florida: South winds today through Saturday night (10-20kn, 5-10m/s). Southwest winds Sunday (20-25kn, 10-13m/s), becoming west winds (20-25kn) Sunday night and Monday.

Florida Keys: East winds today (5-10kn, 3-5m/s). Southeast winds tonight and Saturday (5-15kn, 3-8m/s). South winds Sunday (15-20kn, 8-10m/s) and southwest winds Sunday night (20kn). West to northwest winds Monday (20kn).



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).





Satellite chlorophyll image and forecast winds for November 29, 2008 12Z with Cell concentration sampling data from November 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 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).