



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

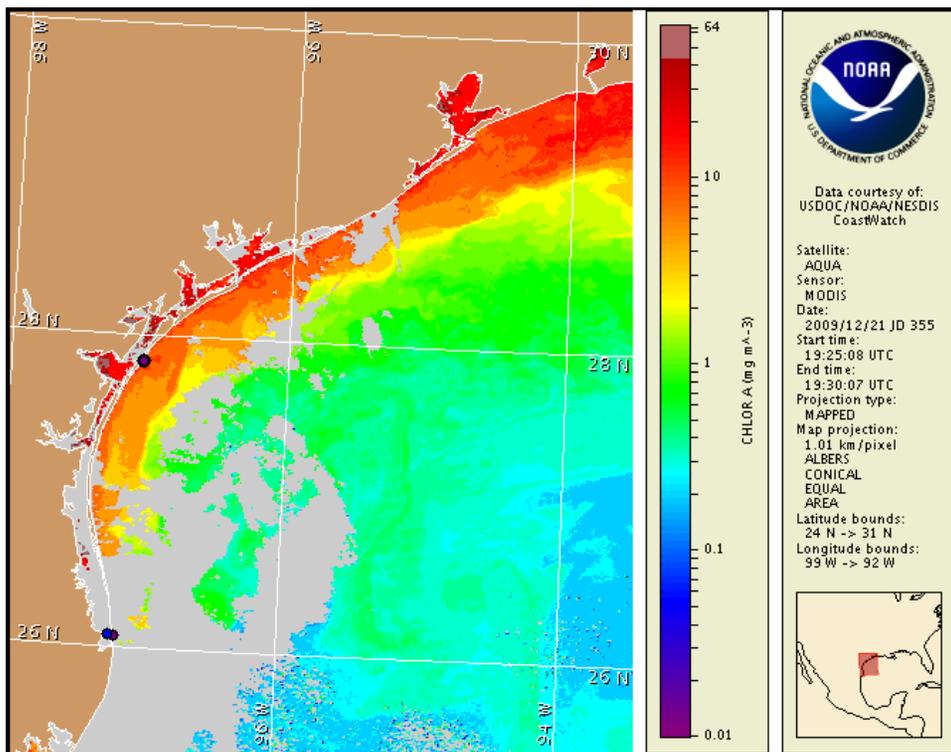
22 December 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: December 17, 2009



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from December 12 to 21 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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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
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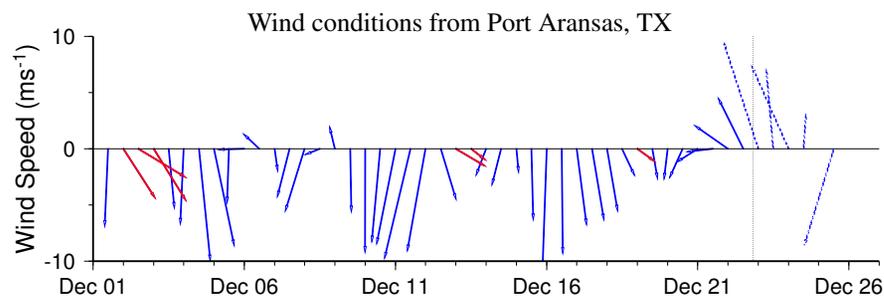
Conditions Report

A harmful algal bloom continues along South Padre Island and in the Corpus Christi area. Patchy moderate impacts are possible through Wednesday. Very low impacts are expected on Thursday.

Analysis

A high chlorophyll feature extends along the entire Texas coastline. This most likely represents the Mississippi River plume and resuspended chlorophyll as a result of strong onshore winds. However, patches of *K. brevis* are possible in the Corpus Christi and South Padre areas. The state has reported that cell counts have decreased over the past week, however low cell concentrations were still observed at the Port Aransas jetties and inside Brazos-Santiago Pass. Texas Parks and Wildlife also reports that discolored water was observed in Corpus Christi Bay.

-Tomlinson, Briggs

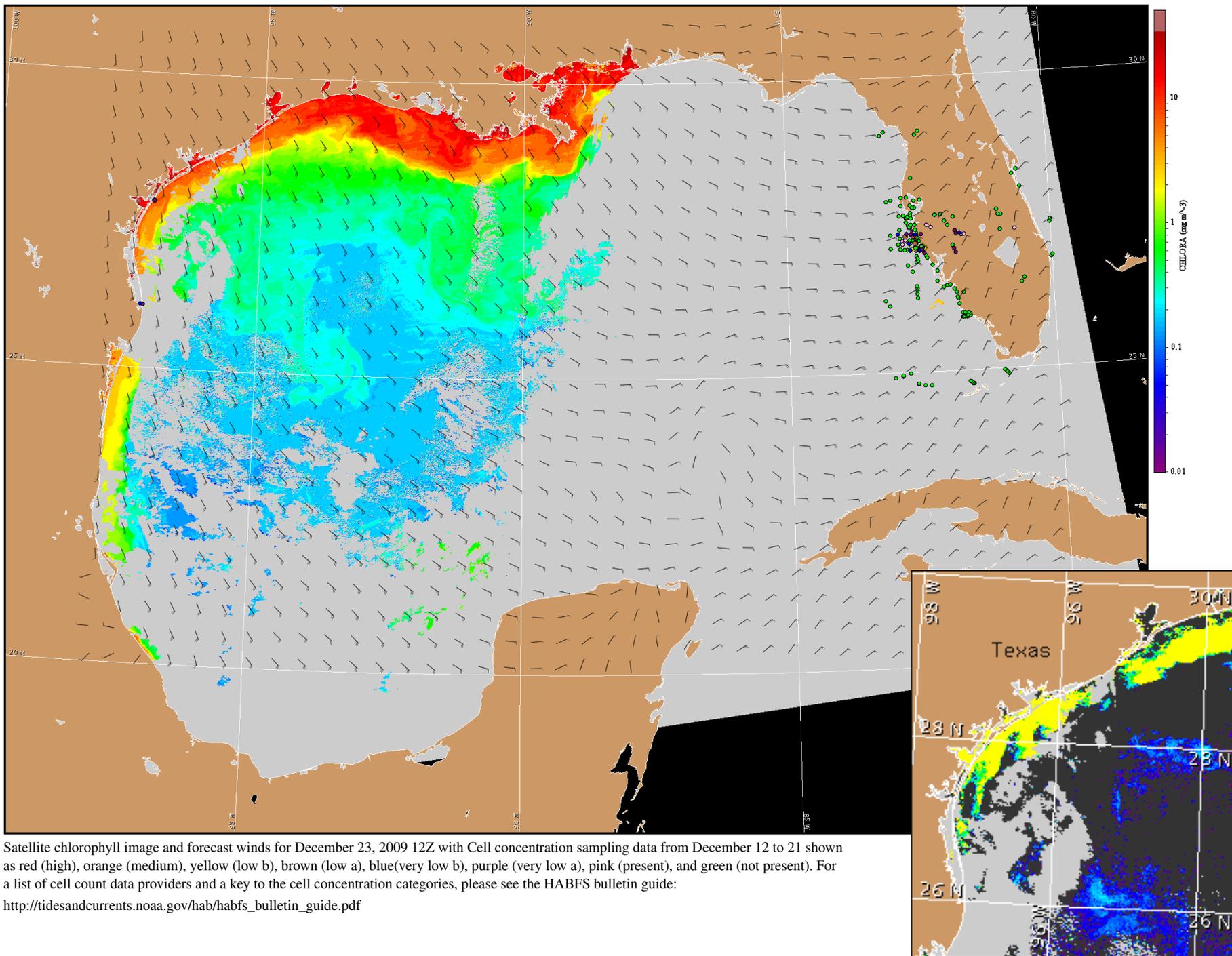


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

Wind Analysis

Strong southerly winds (20-30 knots) are expected through Wednesday night. Northwest-erly winds are expected on Thursday.

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 23, 2009 12Z with Cell concentration sampling data from December 12 to 21 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:

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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).