



## Gulf of Mexico Harmful Algal Bloom Bulletin

18 December 2007

NOAA Ocean Service

NOAA Satellites and Information Service

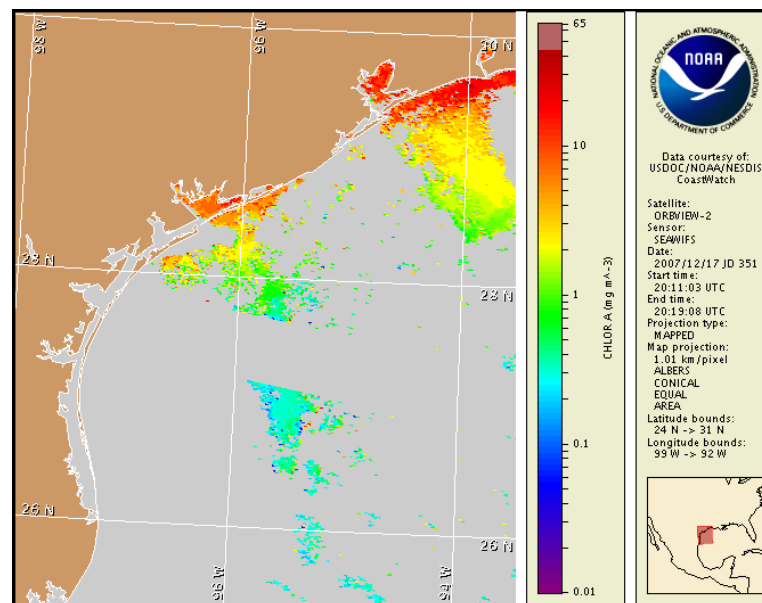
Last bulletin: December 11, 2007

### Conditions Report

There have been no recent reports of red tide. No impacts are expected along the Texas coast.

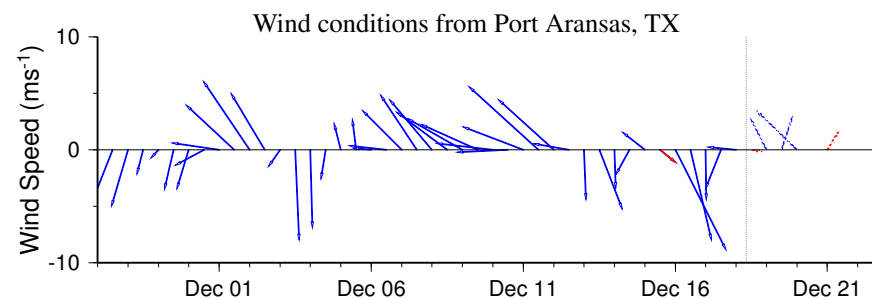
### Analysis

Chlorophyll concentrations increased northeast of Galveston from less than 5  $\mu\text{g/l}$  to greater than 10  $\mu\text{g/l}$ . This is not considered to be red tide, but there may be reports of discolored water. Chlorophyll concentration has decreased off Matagorda Bay. There have been no recent reports of red tide. -- Nielsen, Stumpf



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from December 9 to 14 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://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

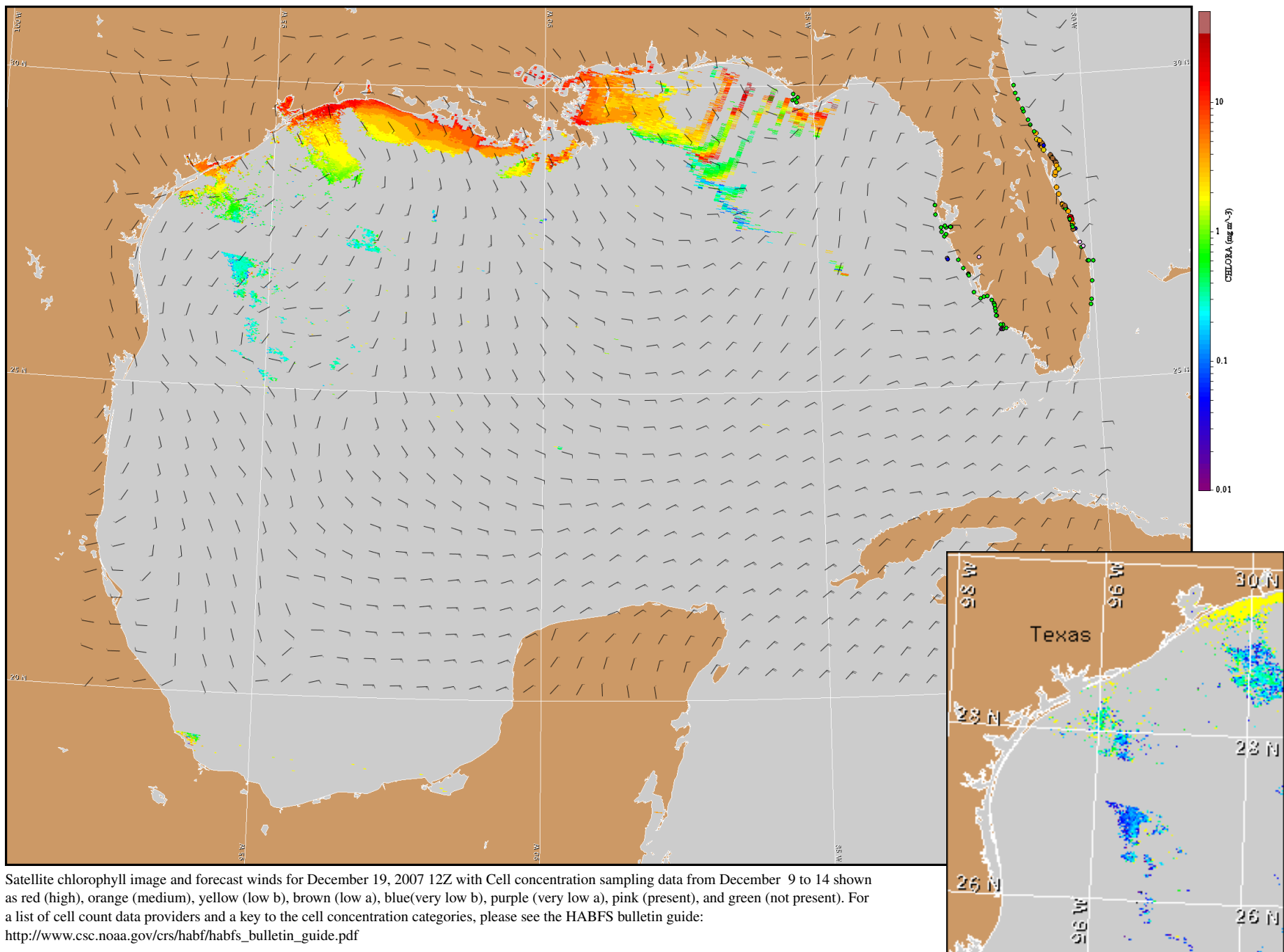


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Today, winds will be from the south at 10 knots decreasing to 5 to 10 knots in the afternoon. On Wednesday, northeast winds around 5 knots shifting to southeast winds at 10 to 15 knots in the afternoon. On Thursday, winds will be southwest at 10 to 15 knots, becoming west at 5 to 10 knots in the afternoon and then shifting to northeast in the evening. On Friday, southwest winds at 10 to 15 knots shifting to south winds at 15 to 20 knots. On Saturday, winds 15 to 20 knots early in the morning and then becoming north at 20 to 25 knots.

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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.



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