



# Gulf of Mexico Harmful Algal Bloom Bulletin

29 January 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 22, 2008

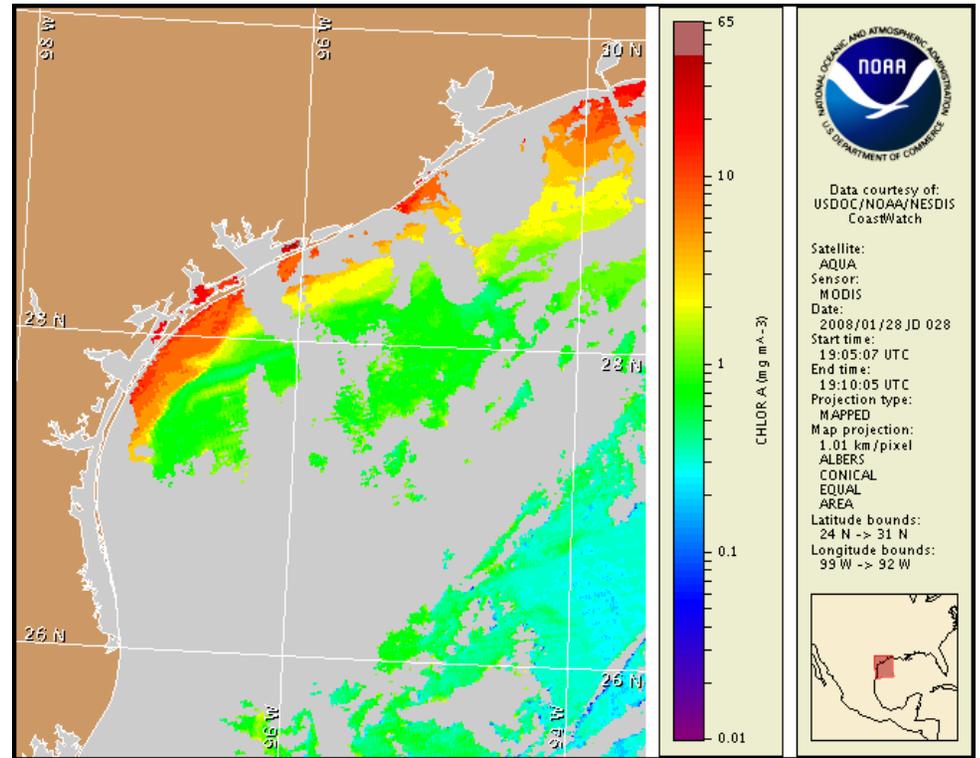
## Conditions Report

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

## Analysis

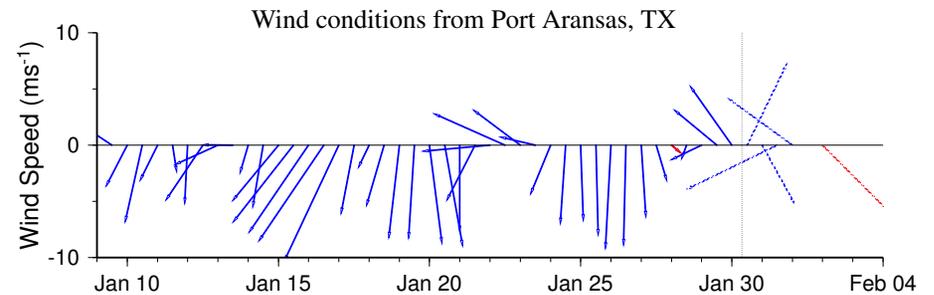
A high chlorophyll feature is observed from San Antonio Bay south to Corpus Christi Bay. Cloudy imagery prevents the determination of actual extent, however this most likely represents an extension of the Mississippi River plume. Strong winds throughout the week may lead to resuspension events, which can cause water discoloration.

-Tomlinson, Wynne



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from January 22 to 24 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)

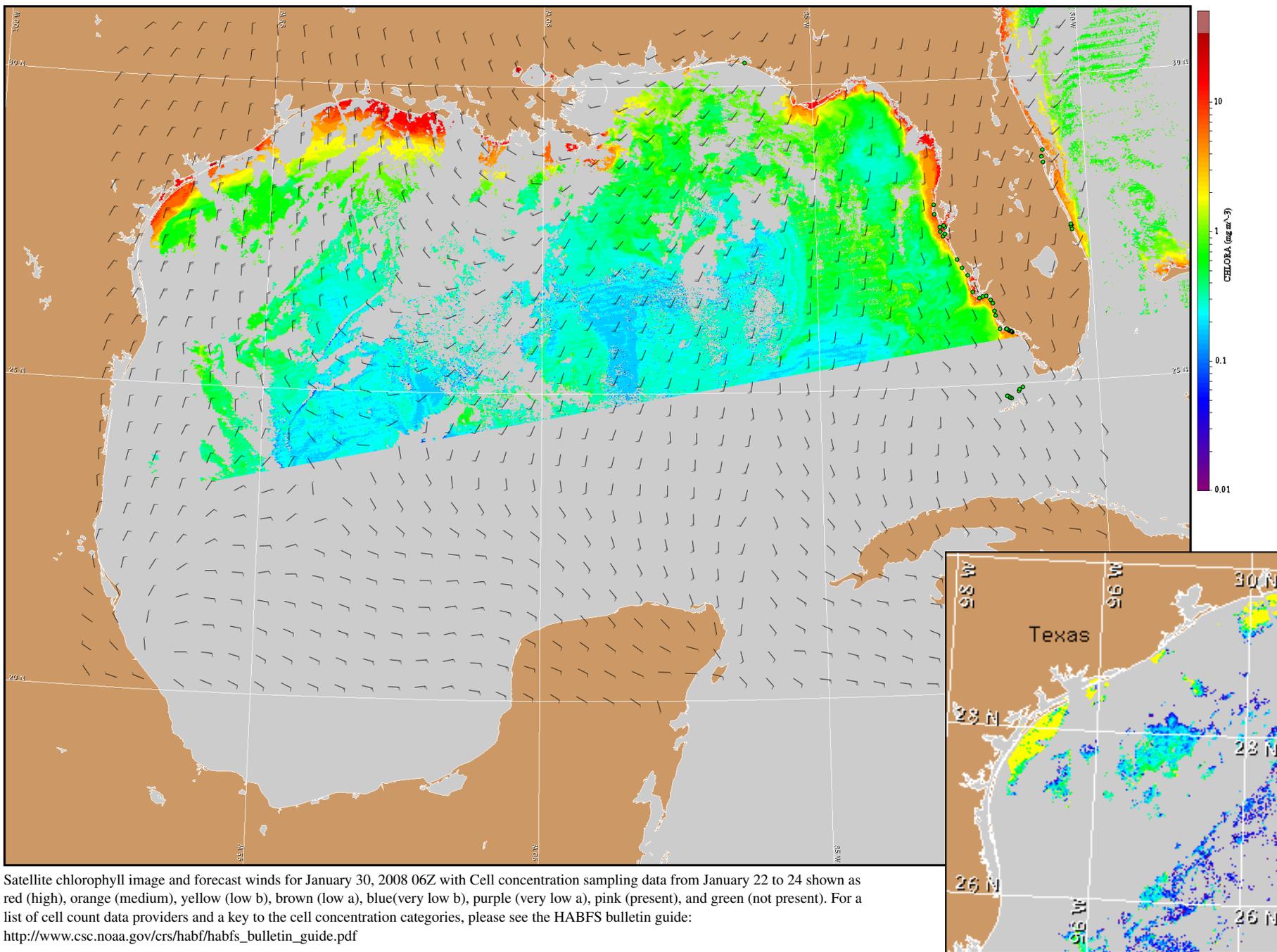


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Strong winds (up to 20-25 knots) are expected this week. Wind direction is variable, and expected to turn northerly this evening, easterly on Wednesday and shifting to the southwest on Thursday.

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.



Satellite chlorophyll image and forecast winds for January 30, 2008 06Z with Cell concentration sampling data from January 22 to 24 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)

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