



Gulf of Mexico Harmful Algal Bloom Bulletin

30 October 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin:

Conditions Report

A harmful algal bloom may still persist in portions Nueces County. Impacts are expected to be very low through Wednesday.

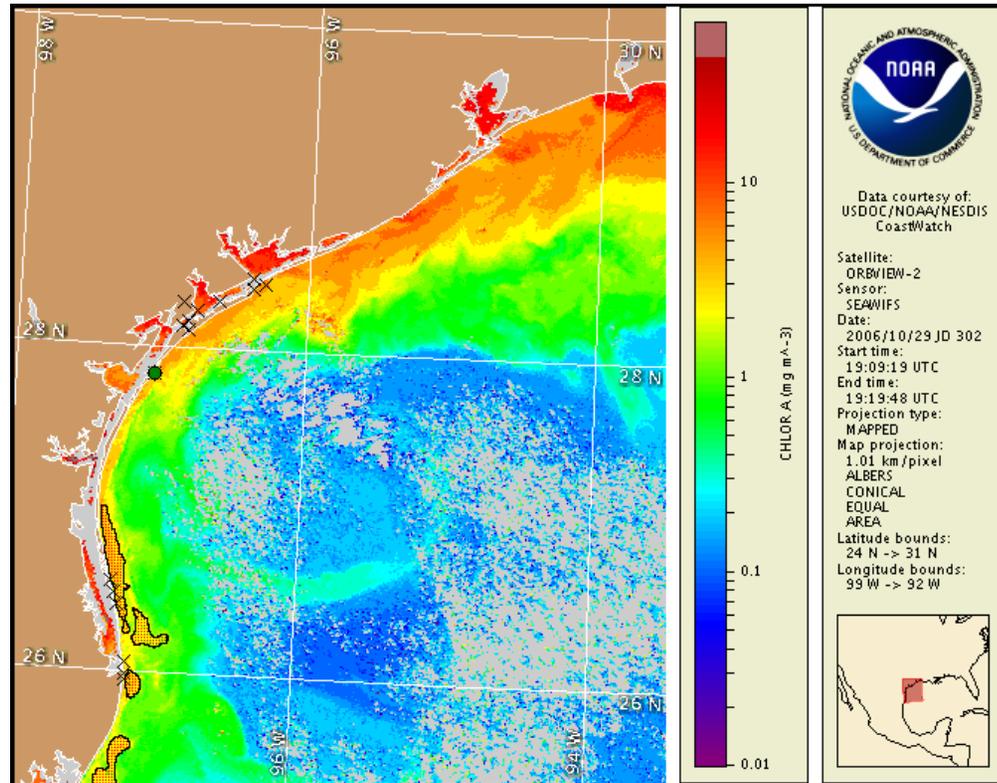
Analysis

No impacts or positive cell counts of *Karenia* been reported recently. The winds will favor onshore aerosol transport through Wednesday night. Recent very strong winds have created a chlorophyll anomaly through much of the coast. This is most likely due to a destratified water column and not to the presence of *Karenia*. *Karenia* may still be present along the southern portion of the Texas coastline; however no recent reports have confirmed its presence. If no respiratory irritation is reported near Padre Island in the next few days it is likely that the bloom has dissipated.

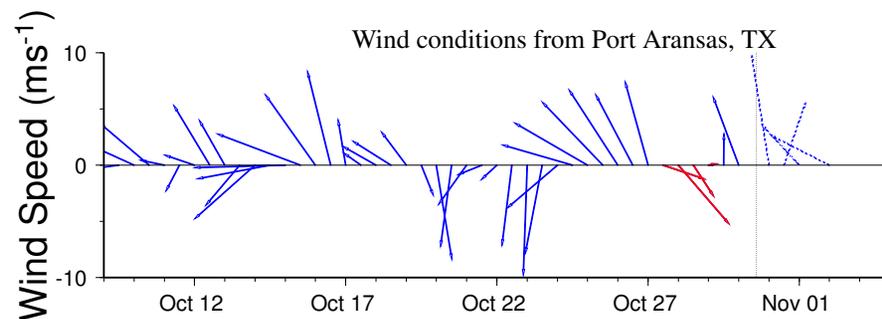
A cold core eddy is present offshore between 28 degrees N and 26.5 degrees N and extending offshore to approximately 95 degrees W.

Ignore the big yellow patch west of Sabine. This is likely an effect of resuspension rather than red tide.

-Wynne, Ransibramanakul



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 20-26 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). Cell count data from Texas Parks and Wildlife and the Department of State Health Services. For a key to the cell concentration descriptions, visit the FWRI web site: <http://research.myfwc.com>

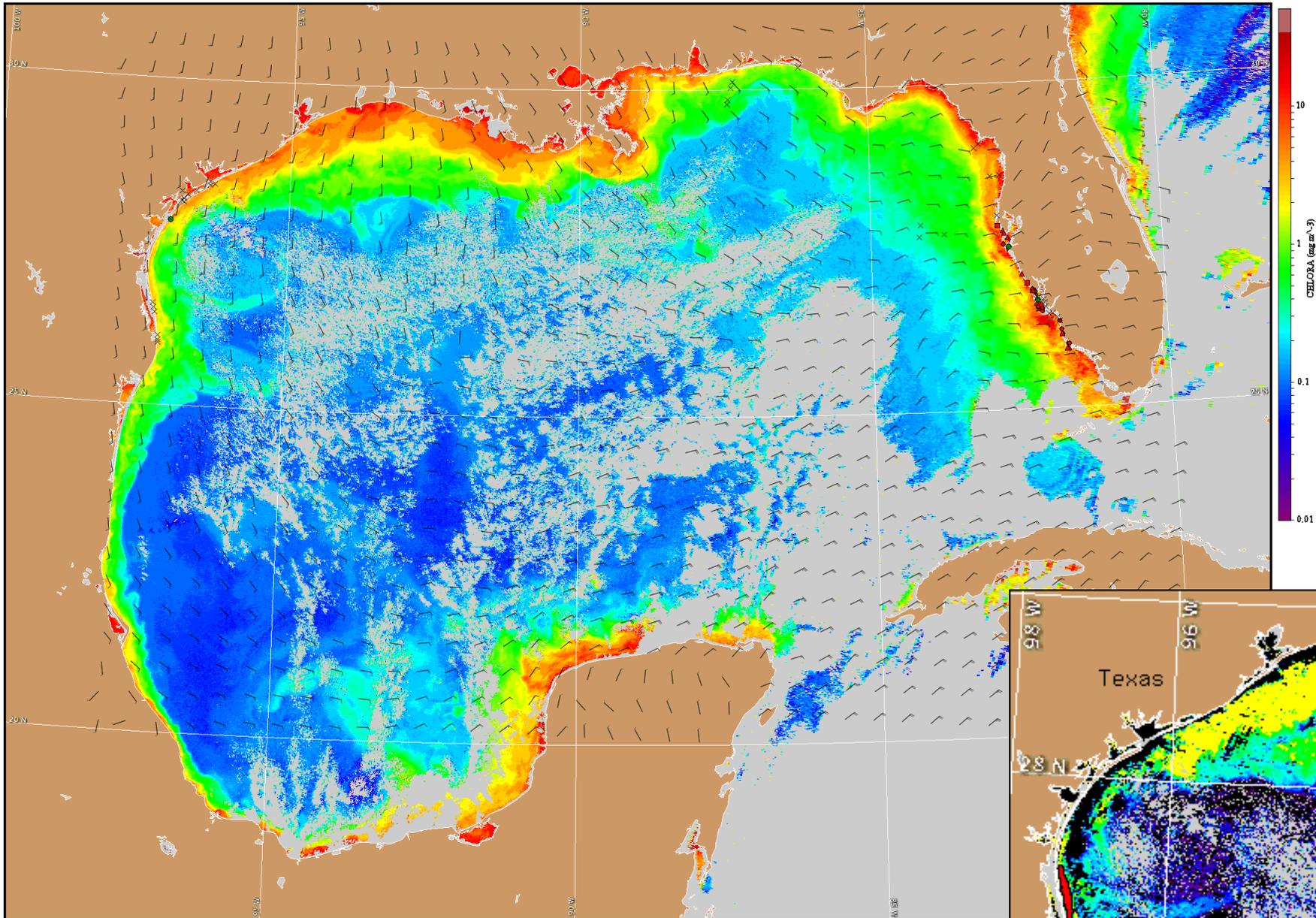


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

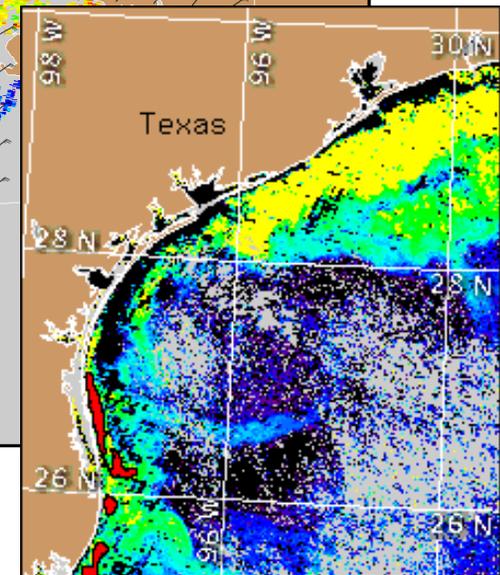
Strong winds out of the south (15 - 20 knots) will continue through tonight. Tomorrow winds will continue to be from the south at 10-15 knots and are expected to remain so until wednesday night. The winds would favor onshore transport.

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 October 31, 2006 06Z with cell concentration sampling data from October 20-26 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). Cell count data from Texas Parks and Wildlife and the Department of State Health Services. For a key to the cell concentration descriptions, visit the FWRI web site: <http://research.myfwc.com>



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