



Gulf of Mexico Harmful Algal Bloom Bulletin

20 February 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: November 8, 2006

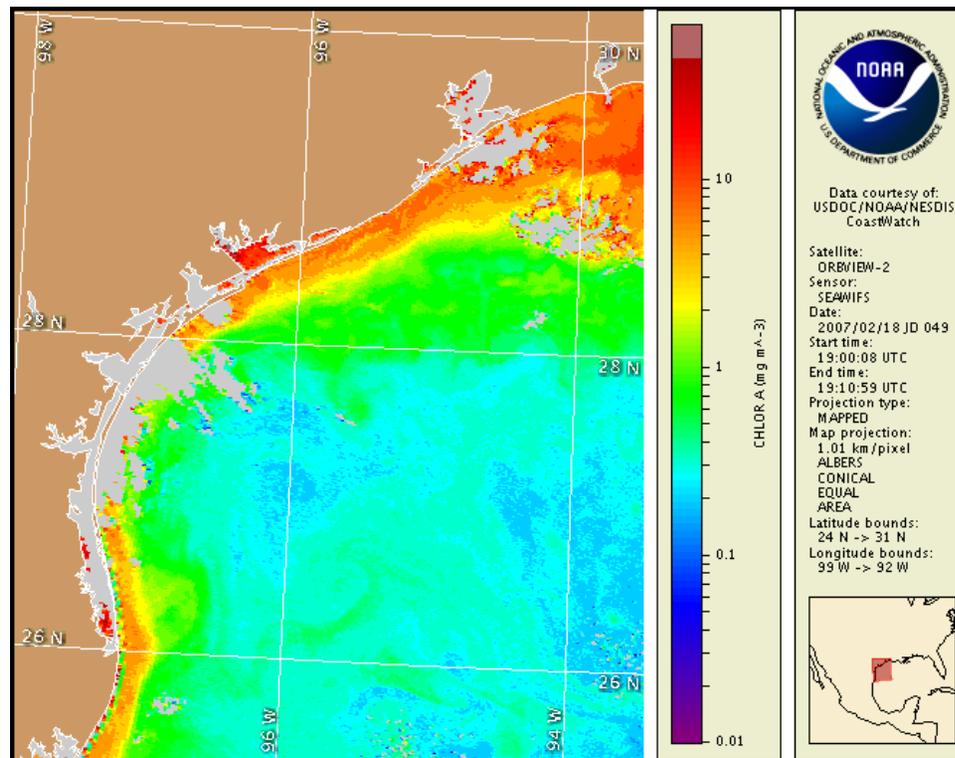
Conditions Report

There have been no recent reports of red tide. No impacts are expected in Texas. Check with the Department of Health Services for shellfish conditions.

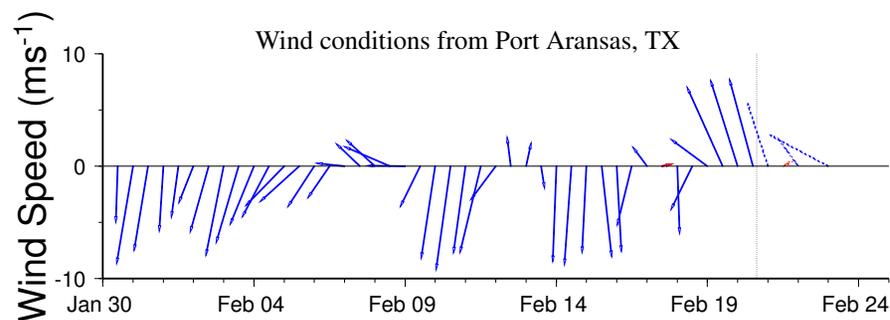
Analysis

There have been no reports of red tide and no impacts are expected onshore along the Texas coast. High chlorophyll levels along coast likely represent an extension of the Mississippi River plume. A *Prorocentrum* minimum bloom was observed in Matagorda Bay on February 12 and may be the cause of high chlorophyll in the imagery in that area.

Jewett, Lopez



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from February 10-15 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). 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

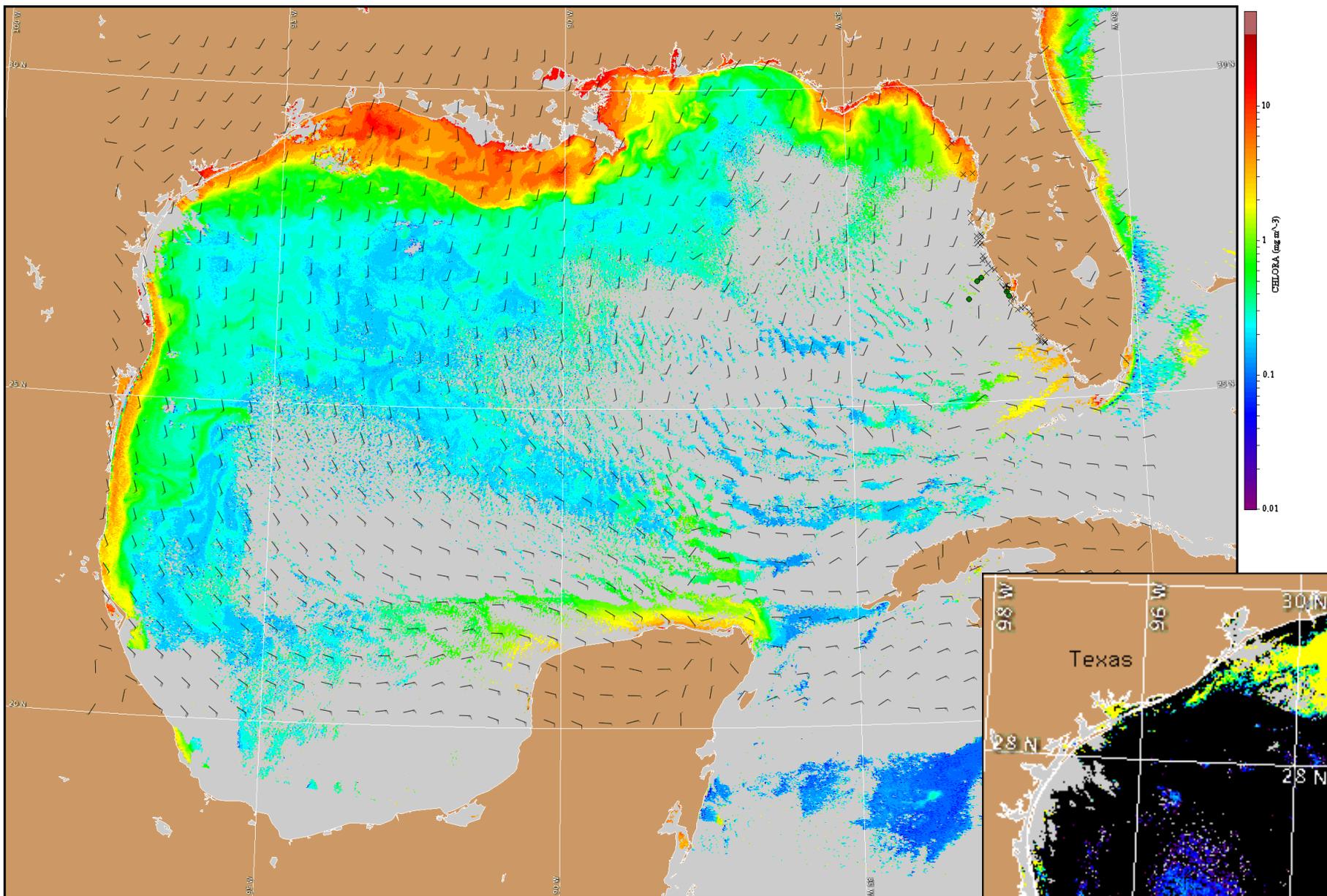


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

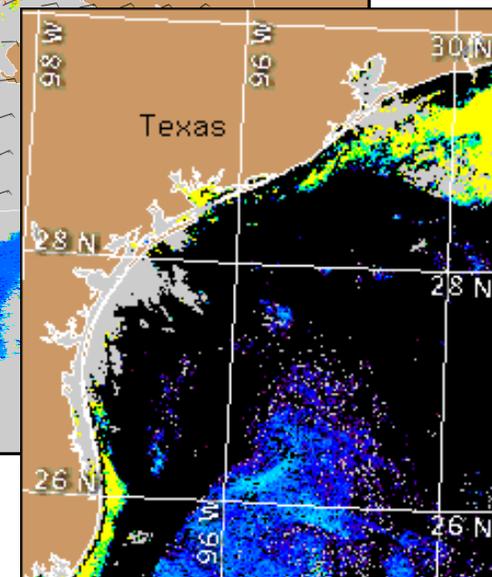
South winds today 10 to 15 knots shifting southeast tomorrow and diminishing to 5 to 10 knots. Southeast winds will increase on Thursday back to 10 to 15 knots.

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 February 21, 2007 06Z with cell concentration sampling data from February 10-15 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). 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



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