



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

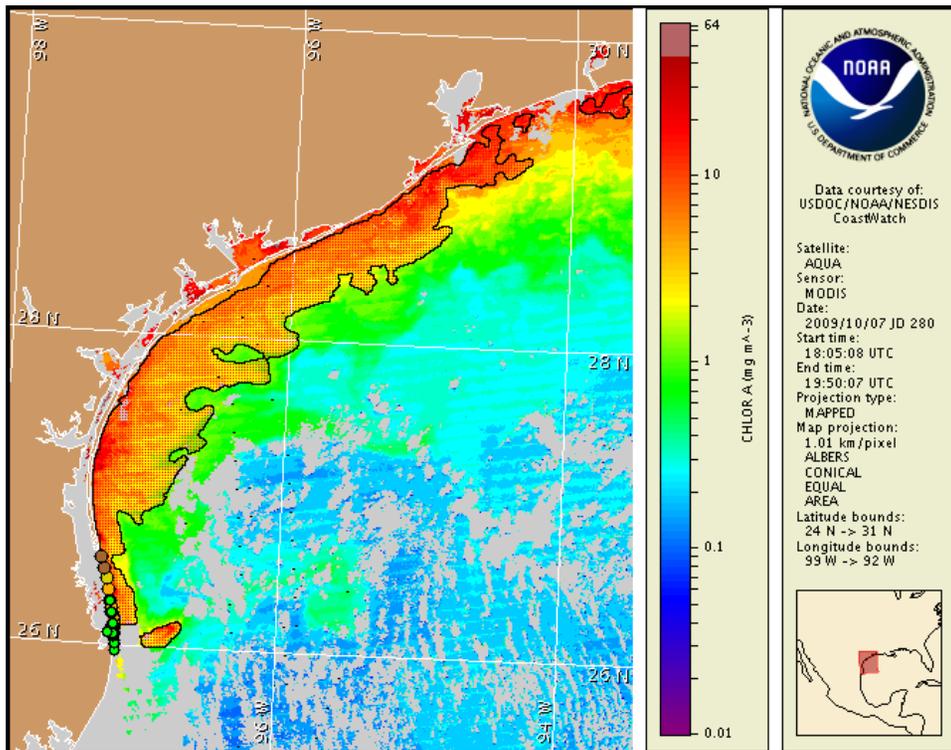
8 October 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: October 5, 2009



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from September 28 to October 7 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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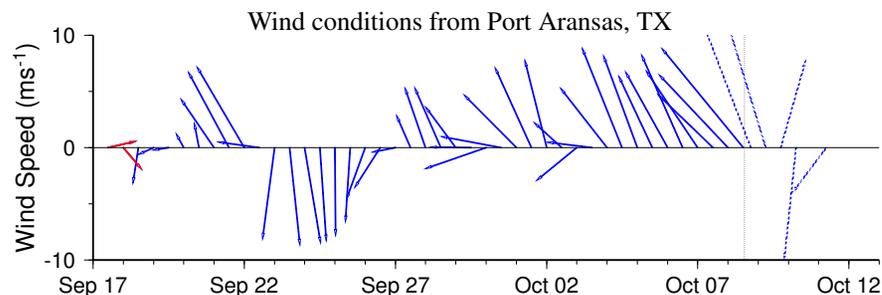
Conditions Report

A harmful algal bloom has been identified in off the coast of Southern Padre to South Padre Islands. Moderate impacts are possible in this region through Monday.

Analysis

A bloom has been identified directly offshore of Padre Island from 20 miles North of Access 6 (lat 26.49 N) to Boca Chica Beach (lat 25.97 N). Strong onshore winds could lead to moderate impacts through the weekend. Winds have been strong for the last several days, and are continued to be strong in the forecast. Satellite imagery shows high chlorophyll concentrations throughout the coast, which could contain *K. brevis* but could also be due to resuspension as a result of the sustained strong winds. Sampling is recommended.

-Wynne, Tomlinson

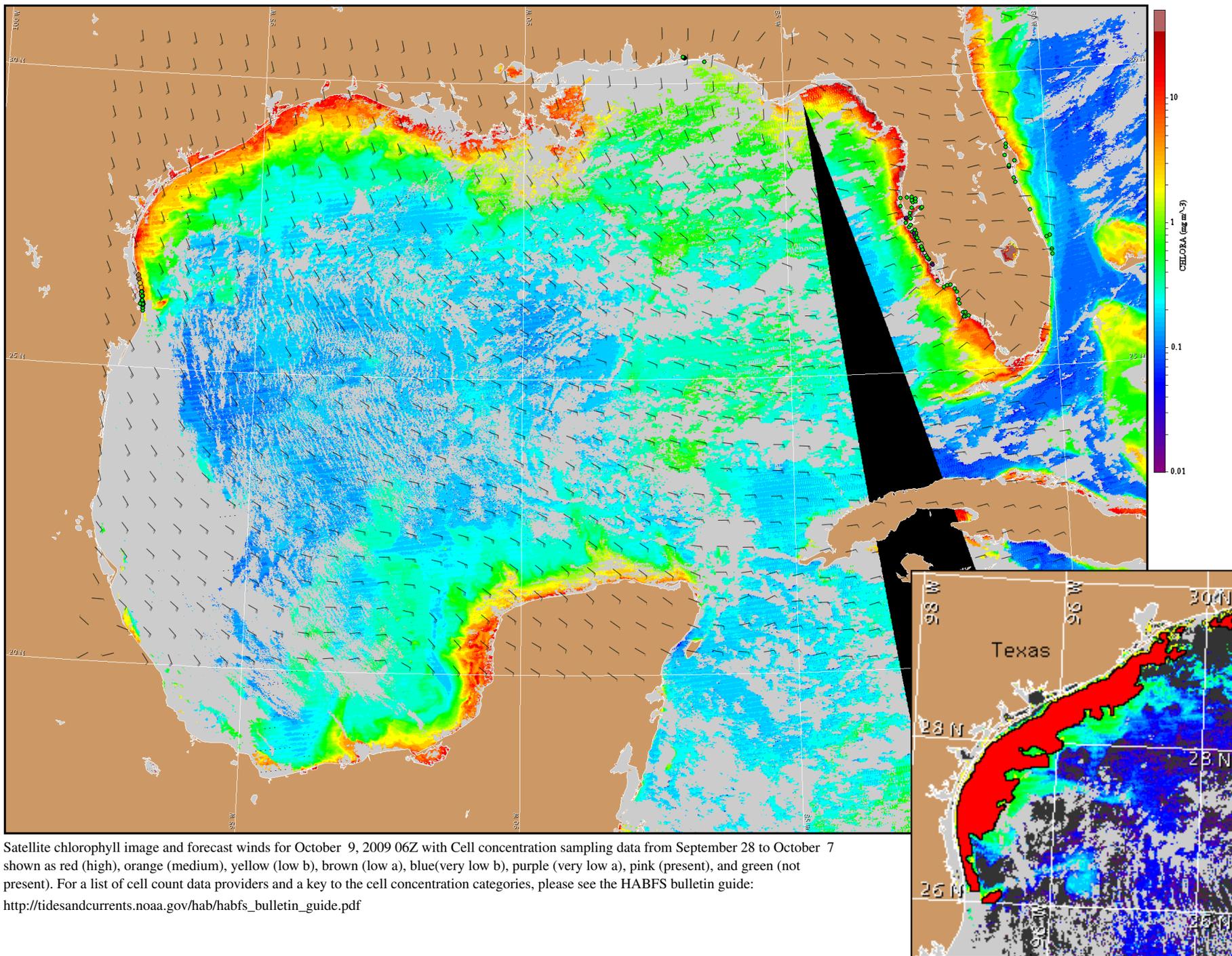


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

Wind Analysis

SE winds today at 15 - 20 knots. South winds Friday at 15-20 knots, becoming NW at 10-15 knots. North winds Saturday at 15-20 knots. NE winds on Sunday at 15-20 knots. NE winds on Monday at 15-20 knots.

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 October 9, 2009 06Z with Cell concentration sampling data from September 28 to October 7 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

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