



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

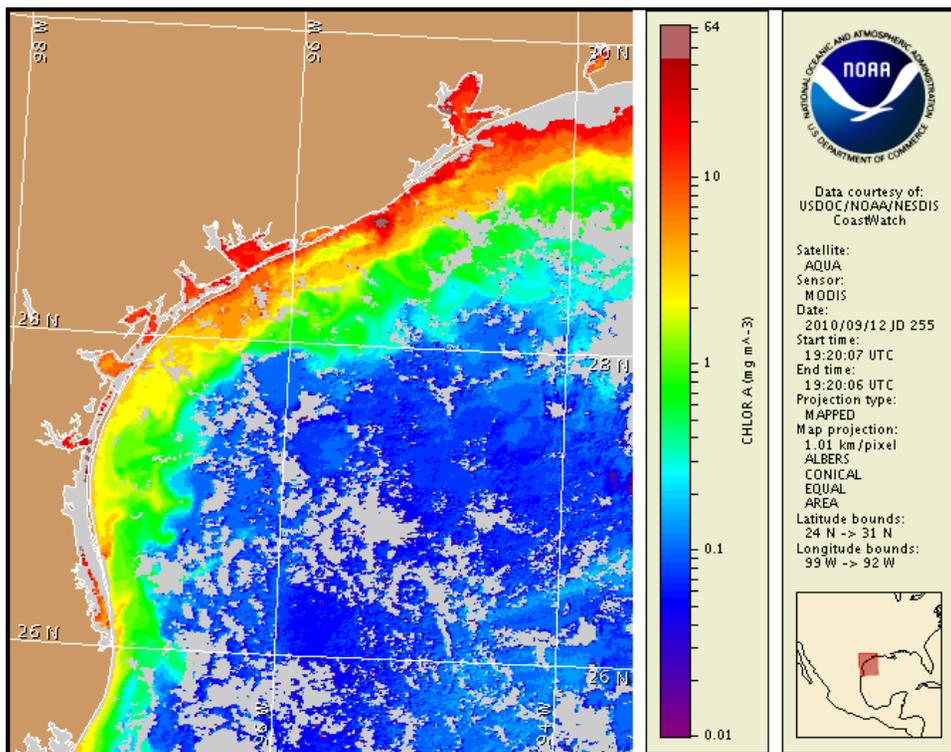
14 September 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: September 7, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from September 4 to 11 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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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.

Conditions Report

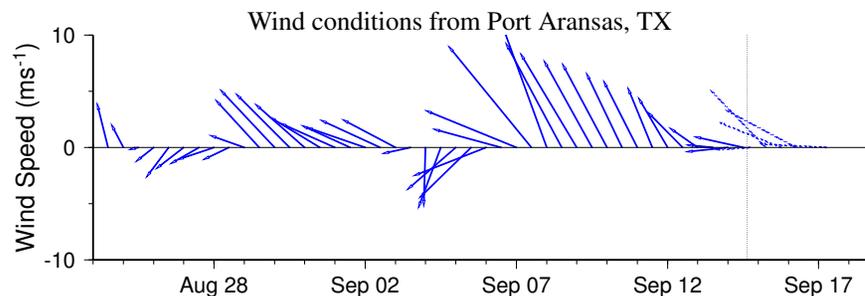
There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Monday, September 20.

Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. Recent imagery is somewhat patchy along the coast; however, elevated chlorophyll is visible stretching from Port Arthur southward along the Texas coastline to the Port Aransas area. Elevated chlorophyll along the coast is likely due to resuspension and is not related to harmful algal bloom. Increased chlorophyll concentrations along the coast may be due to residual impacts of Tropical Storm Hermine, which made landfall south of Brownsville on September 7.

Forecast models indicate a potential maximum transport of 20 km south along the coast from Port Aransas from September 12-17.

Derner, Stumpf

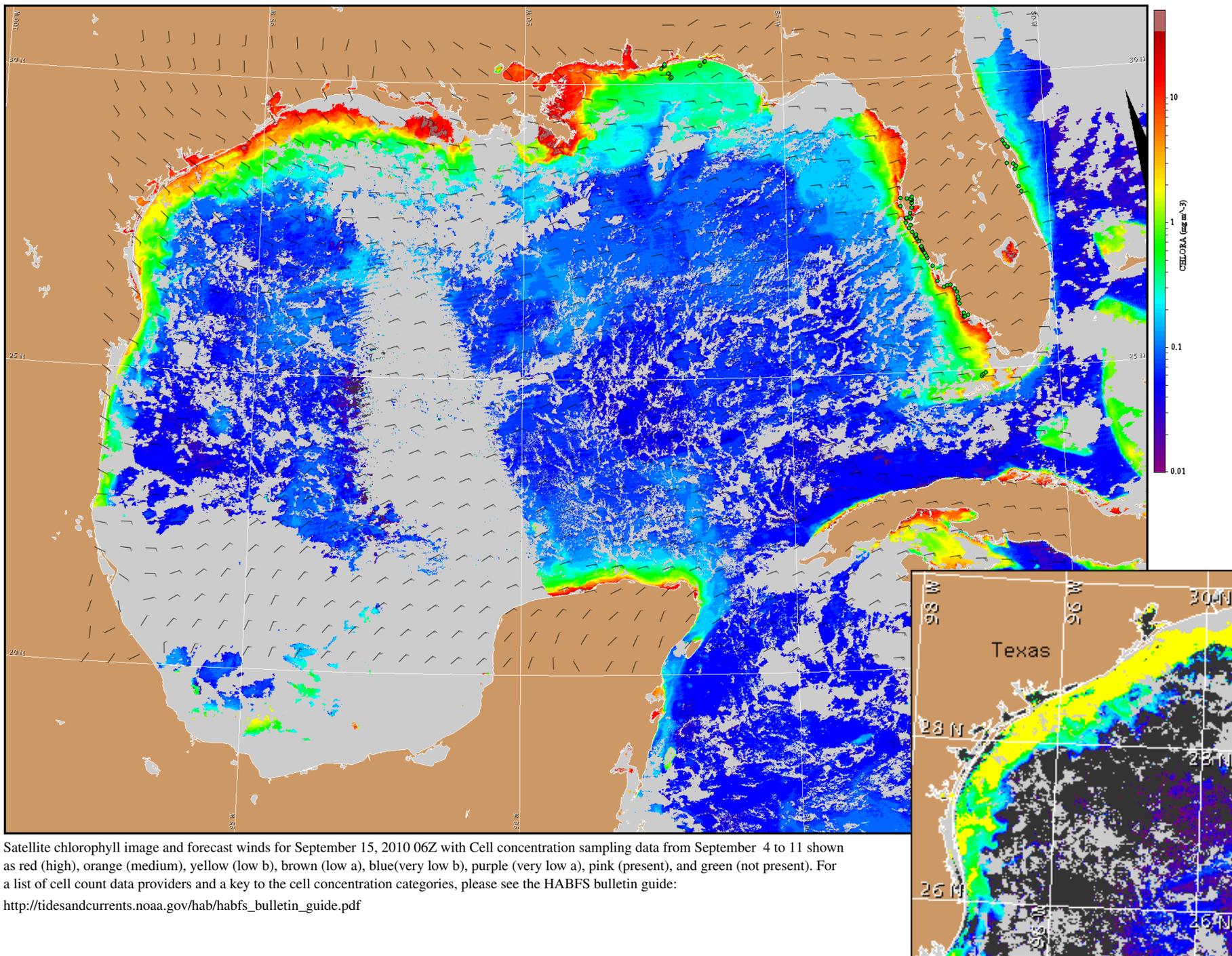


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

Wind Analysis

Port Aransas: Southeast winds (5-15kn, 3-8m/s) today through Wednesday. East winds (10-15kn, 5-8m/s) Wednesday night through Saturday.

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 September 15, 2010 06Z with Cell concentration sampling data from September 4 to 11 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:

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