



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

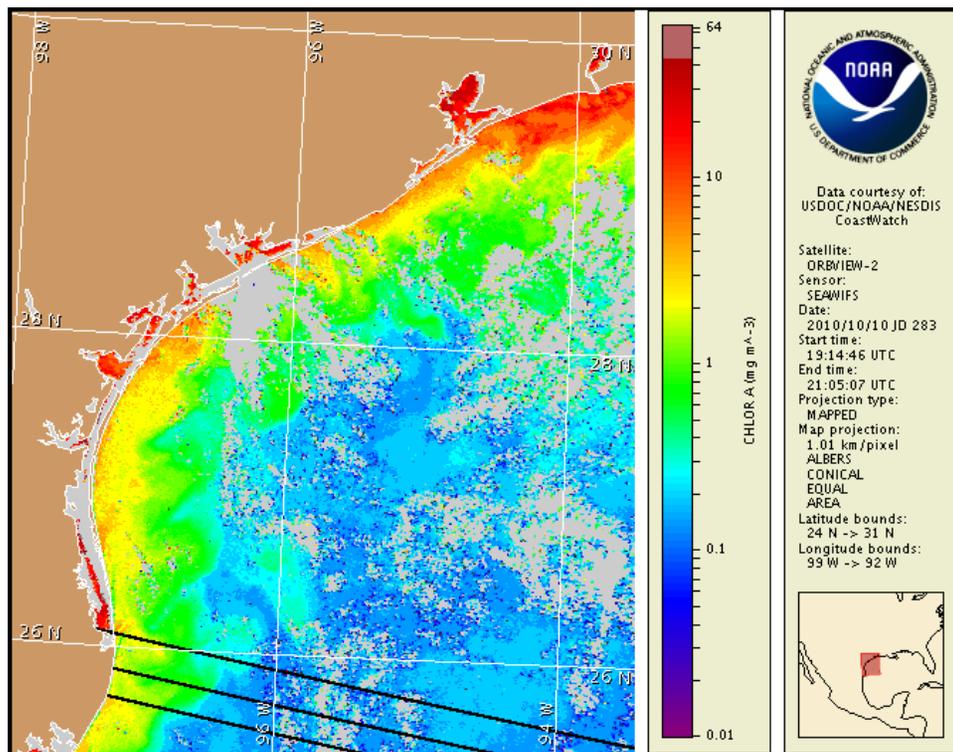
12 October 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: October 4, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 2 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

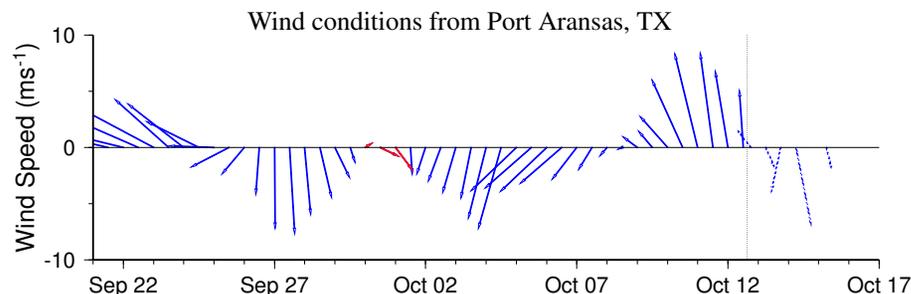
There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Sunday, October 17.

Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. Recent imagery is patchy along the coast, limiting analysis. Patches of elevated chlorophyll are visible in imagery along much of the Texas coastline. The largest patch of elevated chlorophyll is located along the northern extent of the Texas coastline, stretching along- and offshore from Port Arthur to the Galveston area and narrowing along the coast from Freeport to Port Aransas. Elevated chlorophyll along the coast is likely due to resuspension and is not related to a harmful algal bloom.

Forecast models indicate a potentially negligible maximum transport (<10km) north along the coast from Port Aransas from October 10-15.

Derner, Kavanaugh

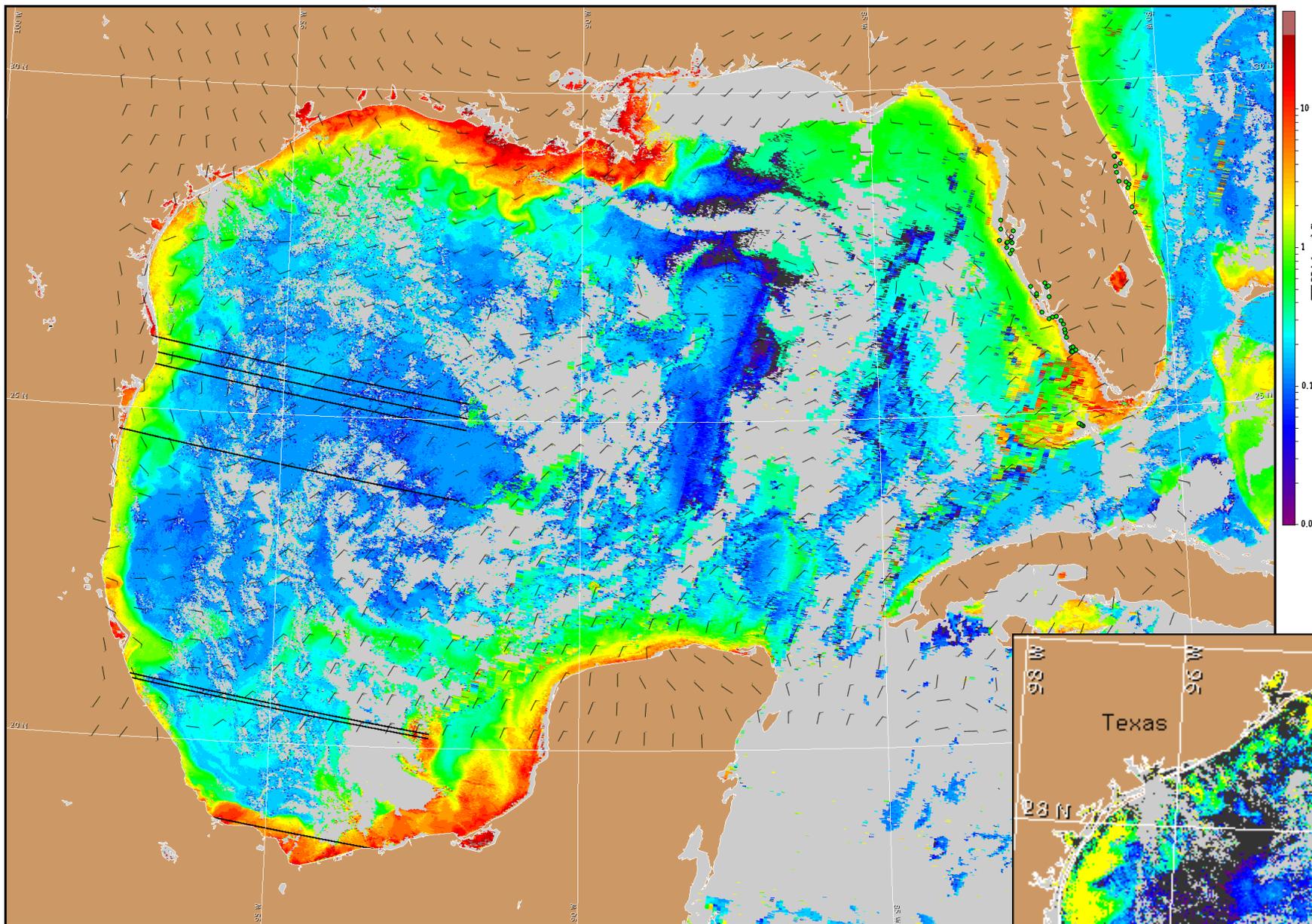


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

Wind Analysis

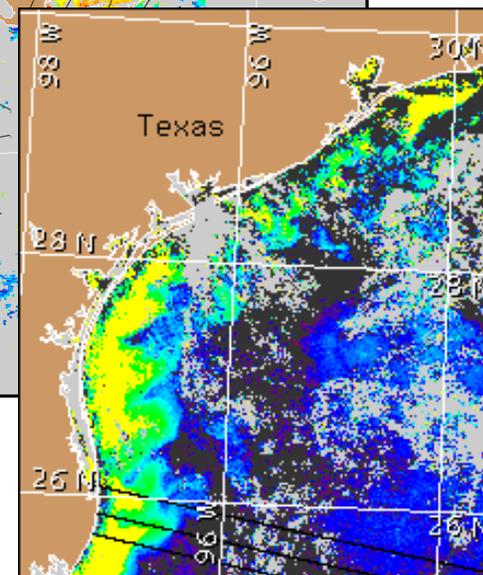
Port Aransas: South wind (5-15kn, 3-8m/s) today. Southeast wind (5-10kn, 3-5m/s) this evening, shifting northeast (10-15kn, 5-8m/s) in the night. North wind (10-20kn, 5-10m/s) Wednesday through Thursday. Northeast wind (5-10kn) Thursday, becoming east on Friday. Southeast wind (5-10kn) Saturday.

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 October 13, 2010 06Z with Cell concentration sampling data from October 2 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).