



# Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

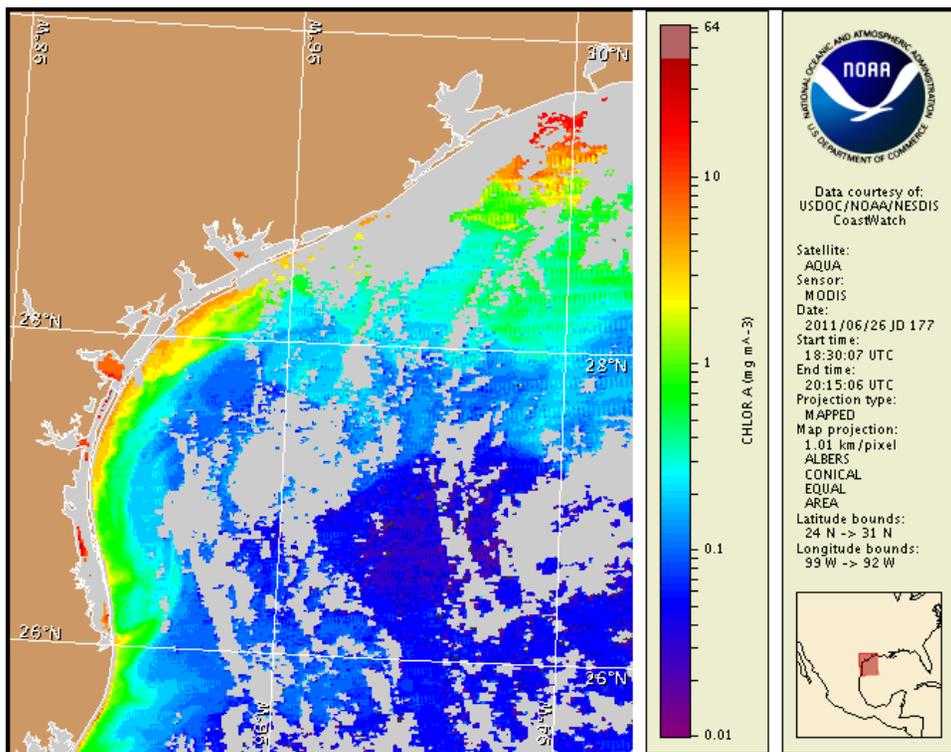
Monday, 27 June 2011

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, June 20, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from June 17 to 23 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 HAB-OFS bulletin guide:

[http://tidesandcurrents.noaa.gov/hab/habfbs\\_bulletin\\_guide.pdf](http://tidesandcurrents.noaa.gov/hab/habfbs_bulletin_guide.pdf)

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive:

<http://tidesandcurrents.noaa.gov/hab/bulletins.html>

## Conditions Report

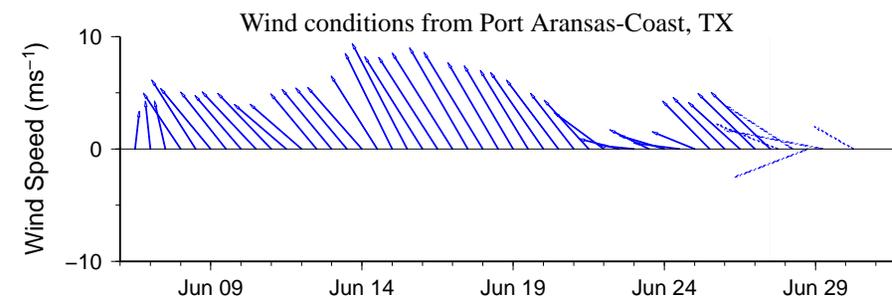
There is currently no indication of a harmful algal bloom at the coast in Texas. No impacts are expected alongshore Texas today through Monday, July 4.

## Analysis

**\*\*Due to the upcoming Federal Holiday, the next bulletin will be issued on Tuesday, July 5.\*\***

There is currently no indication of a harmful algal bloom along the coast of Texas. Recent imagery is partially obscured by clouds from Sabine Pass to Pass Cavallo, limiting analysis. Imagery from 6/26 (MODIS, at left) indicates a patch of high chlorophyll (>10  $\mu\text{g/L}$ ) visible > 7 km from shore in the Sabine Pass region. Patches of elevated chlorophyll (2- 5  $\mu\text{g/L}$ ) are visible extending along- and offshore south of Pass Cavallo to the South Padre Island region. Elevated chlorophyll present at the coast is likely due to the resuspension of benthic chlorophyll and sediments and not related to a harmful algal bloom. Forecast models indicate a maximum transport of 80 km south along the coast from Port Aransas from June 26 to June 29.

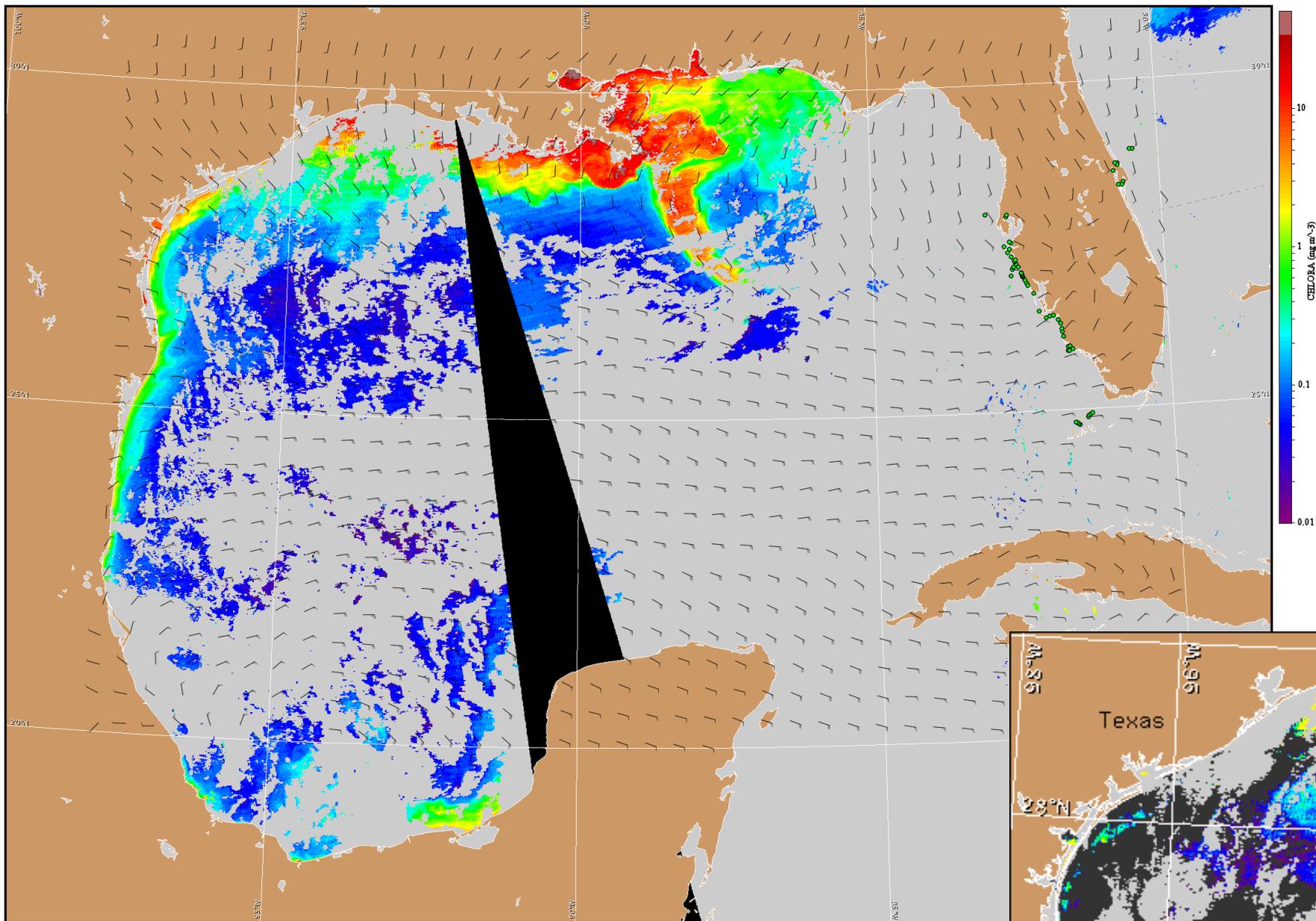
Kavanaugh, Derner



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).

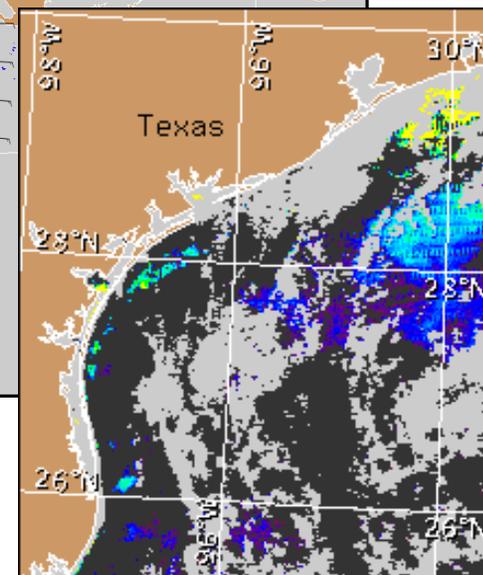
## Wind Analysis

**Port Aransas:** Southeast winds (10-20 kn, 5-10 m/s) today. East winds (10-20 kn) Tuesday through Wednesday. Southeast winds (10-15 kn, 5-8 m/s) Thursday through Friday.



Satellite chlorophyll image and forecast winds for June 28, 2011 06Z with cell concentration sampling data from June 17 to 23 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 HAB-OFS 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).