**Conditions Report**

There is currently no indication of *Karenia brevis* (commonly known as Texas red tide) along the coast of Texas. No respiratory irritation is expected Tuesday, October 15 through Monday, October 21. Check [http://tidesandcurrents.noaa.gov/hab/beach_conditions.html](http://tidesandcurrents.noaa.gov/hab/beach_conditions.html) for recent, local observations.

There are currently patches of a bloom of the algae *Aureoumbra lagunensis* in the upper Laguna Madre region. This algae species does not produce the respiratory irritation associated with the Texas red tide caused by *Karenia brevis*, but it may cause discolored water and fish kills.

**Analysis**

There is currently no indication of *Karenia brevis* along the coast of Texas (TPWD; 10/15). For information on area shellfish restrictions, contact the Texas Department of State Health Services.

Recent MODIS Aqua imagery (10/14, shown left) is mostly obscured by clouds along- and offshore the Texas coast, limiting analysis. Elevated to high chlorophyll (2-15 µg/L) is visible stretching along- and offshore from Sabine Pass to northern Matagorda Island. Elevated chlorophyll is most likely not indicative of the presence of *K. brevis* and is probably due to the resuspension of benthic chlorophyll and sediments along the coast.

Forecast models based on predicted near-surface currents indicate a potential maximum transport of 15 km south from the Port Aransas region from October 14-18.

Yang, Davis

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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](http://tidesandcurrents.noaa.gov/hab/bulletins.html)
Wind Analysis

Port Aransas: Southeast winds (10-15kn, 5-8m/s) today becoming south (10-15kn) tonight. South winds (5-10kn, 3-5m/s) Wednesday shifting northeast (15-20kn, 8-10m/s) Wednesday night. North winds (10-20kn, 5-10m/s) Thursday becoming northeast (10-15kn) Thursday night and shifting east after midnight. East winds (10-15kn) Friday becoming southeast (10-15kn) Friday night and shifting southwest after midnight. North winds (15-20kn) Saturday becoming northeast Saturday night.
Satellite chlorophyll image and forecast winds for October 16, 2013 06Z with points representing cell concentration sampling data from October 5 to 14: red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). Cell count data are provided by Texas Parks and Wildlife Department. For a list of sample providers and a key to the cell concentration categories, please see the HAB-OFS 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).