Gulf of Mexico Harmful Algal Bloom Bulletin
Region: Texas
Monday, 15 June 2015
NOAA National Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service
Last bulletin: Monday, June 8, 2015

Conditions Report
*Karenia brevis* (commonly known as Texas red tide) ranges from not present to background concentrations along the coast of Texas. No respiratory irritation is expected Monday, June 15 through Monday, June 22.

Check [http://tidesandcurrents.noaa.gov/hab/beach_conditions.html](http://tidesandcurrents.noaa.gov/hab/beach_conditions.html) for recent, local observations.

Analysis
Sampling from the Texas A&M University’s Imaging FlowCytobot, located on the Port Aransas ship channel, indicates that *Karenia brevis* concentrations range between ‘not present’ and ‘background’ (TAMU; 6/13-6/15). For information on area shellfish restrictions, contact the Texas Department of State Health Services.

Recent MODIS Aqua imagery (6/14, shown left) is partially obscured by clouds, but patches of elevated chlorophyll (1-10 µg/L) are visible along- and offshore the Texas coast from Sabine Pass to the Rio Grande. Elevated chlorophyll is not indicative of the presence of *K. brevis* and is most likely 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 30 km south from the Port Aransas region from June 14-18.

Keeney, Derner

Wind Analysis
*Port Aransas*: East winds (10-15kn, 5-8m/s) today, shifting northeast tonight. South winds (10-25kn, 5-13m/s) Tuesday through Wednesday night. Southeast winds (10-15kn) Thursday and Friday.
Satellite chlorophyll image and forecast winds for June 16, 2015 06Z with points representing cell concentration sampling data from June 5 to 10: 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).