Gulf of Mexico Harmful Algal Bloom Bulletin
Region: Texas
Monday, 25 July 2016
NOAA National Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service
Last bulletin: Monday, July 18, 2016

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 alongshore Texas Monday, July 25 through Monday, August 1.

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

Analysis
Data from Texas A&M University’s Imaging FlowCytobot, located on the Port Aransas ship channel, is currently unavailable. For information on area shellfish restrictions, contact the Texas Department of State Health Services.

In recent MODIS Aqua imagery (7/23; shown left), elevated chlorophyll (2-10µg/L) is visible in patches along the 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 20 km north from the Port Aransas region from July 23-28.

Derner, Keeney

Satellite chlorophyll image with possible K. brevis HAB areas shown by red polygon(s), when applicable. Points represent cell concentration sampling data from July 15 to 22: 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/hab_publication/habfs_bulletin_guide.pdf

Detailed sample information can be obtained through the Texas Parks and Wildlife Department at: http://www.tpwd.state.tx.us./landwater/water/environconcerns/hab/redtide/status.phtml

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
Satellite chlorophyll image and forecast winds for July 26, 2016 06Z with points representing cell concentration sampling data from July 15 to 22: red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present).

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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).