Gulf of Mexico Harmful Algal Bloom Bulletin
Region: Texas
Monday, 25 June 2012
NOAA Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service
Last bulletin: Monday, June 18, 2012

Conditions Report
There is currently no indication of a harmful algal bloom of Karenia brevis (Texas red tide) at the coast in Texas. No impacts are expected alongshore Texas today through Sunday, July 1. There is currently a bloom of the algae Aureoumbra lagunensis in the upper Laguna Madre region. This algae does not produce respiratory impacts associated with the Texas red tide caused by Karenia brevis, but it may cause discolored water.

Analysis
There is currently no indication of a harmful algal bloom of Karenia brevis at the coast in Texas. Recent MODIS imagery (6/22; shown left) is partially obscured by clouds along much of the Texas coastline, along- and offshore the Sabine Pass region, Matagorda Peninsula and South Padre Island, limiting analysis. Elevated chlorophyll (1 to <10 µg/L) is visible stretching along- and offshore the Texas coastline from Sabine Pass to the Matagorda Peninsula and from Pass Cavallo to the South Padre Island region (1 to 4 µg/L). 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 30km south from the Port Aransas region from June 22-28.

Kavanaugh, Urizar

Wind conditions from Aransas Pass, TX

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
Variable winds (5-10 kn, 3-5 m/s) today. Southeast winds (5-10 kn) tonight becoming southwest winds (10-15 kn, 5-8 m/s) after midnight. West winds (5-10 kn) Tuesday becoming southeast winds (5-15 kn, 3-8 m/s) Tuesday afternoon through Friday night.

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 June 26, 2012 06Z with cell concentration sampling data from June 15 to 20 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/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).