**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 Monday, August 12 through Monday, August 19. 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 a harmful algal bloom of *Karenia brevis* at the coast in Texas. In recent MODIS Aqua imagery from 8/9 (shown left), elevated chlorophyll (2-8 µg/L) is visible in patches along- and offshore from Bolivar Pass to Aransas Pass and alongshore the southern region of the Padre Island National Seashore. 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 15 km south from the Port Aransas region from August 9 to August 15.

**Davis, Derner**

**Wind Analysis**

**Port Aransas:** South winds (5-10 kn, 3-5 m/s) today shifting to the southeast (10-15 kn, 5-8 m/s) this afternoon. Southeast winds (10-15 kn) tonight. South winds (5-10 kn) Tuesday increasing to 10-15 kn in the afternoon. South winds (10-15 kn) Tuesday evening through Thursday. Southeast winds (10 kn, 5 m/s) Thursday night becoming south winds after midnight. West winds (5 kn, 3 m/s) Friday becoming east winds in the afternoon. East winds (5-10 kn) Friday night.
verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).