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 22.

Analysis
There is currently no indication of a harmful algal bloom of *Karenia brevis* at the coast in Texas. Recent MODIS imagery (7/14; shown left) is patchy alongshore much of the Texas coastline, limiting analysis. Elevated to very high chlorophyll (3 to >20 µg/L) is visible in patches along- and offshore from Sabine Pass to East Matagorda Bay. Elevated chlorophyll (1-3µg/L) is also visible in patches along- and offshore Padre and South Padre Island. 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 negligible transport (<10km) south from the Port Aransas region from July 14-19.

Derner, Kavanaugh

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**

**Port Aransas:** Southeast winds (10-15kn, 5-8m/s) today through Friday.

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

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
Satellite chlorophyll image and forecast winds for July 17, 2012 06Z with cell concentration sampling data from July 6 to 12 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).