Conditions Report

There is currently no indication of a harmful algal bloom of Karenia brevis (commonly known as Texas red tide) at the coast in Texas. No impacts are expected alongshore Texas today through Sunday, September 16. For information on area shellfish restrictions, contact the Texas Department of State Health Services.

Analysis

**Note: As of today, September 13, bulletins will be issued once per week on Mondays due to current harmful algal bloom inactivity. Bulletins will be issued twice per week when conditions warrant.**

There is currently no indication of a harmful algal bloom of Karenia brevis at the coast in Texas. No K. brevis was identified from two samples collected alongshore the Padre Island National Seashore (9/10, TPWD). Due to technical difficulties, the most recent MODIS Aqua imagery is presently unavailable. MODIS Terra imagery has been used for bloom analysis and is displayed on this bulletin. Recent MODIS imagery (9/9; shown left) is partially obscured by clouds along- and offshore the Texas coastline, limiting analysis. Elevated chlorophyll (3 to 10 µg/L) is visible stretching along- and offshore from Sabine Pass to the Padre Island National Seashore with patches of very high chlorophyll (11 to >20 µg/L) visible alongshore from Sabine Pass to the Matagorda Peninsula. Elevated chlorophyll is not necessarily indicative of the presence of K. brevis and could also be due to the resuspension of benthic chlorophyll and sediments along the coast. In situ sampling is necessary to confirm the presence of K. brevis.

Forecast models based on predicted near-surface currents indicate a potential maximum transport of 40 km south from the Port Aransas region from September 10-16.

Davis, Kavanaugh
Wind Analysis

**Port Aransas**: Southeast winds (10-15 kn, 3-8 m/s) becoming east winds this afternoon through Friday. Northeast winds (10-15 kn) Saturday through Sunday, decreasing to 5-10 kn (3-5 m/s) Sunday night.
Satellite chlorophyll image and forecast winds for September 14, 2012 12Z with cell concentration sampling data from September 3 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).