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, May 11 through Monday, May 18.

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

Analysis

Recent *Karenia brevis* cell concentrations from the Texas A&M University’s Imaging FlowCytobot, located on the Port Aransas ship channel, are currently not available. The most recent samples indicated that *K. brevis* concentrations ranged between 'not present' and 'background' (TAMU; 4/13-4/18). For information on area shellfish restrictions, contact the Texas Department of State Health Services.

Over the past week, MODIS Aqua imagery (5/9, shown left) has been mostly obscured by clouds from Sabine Pass to the Rio Grande, preventing analysis.

Forecast models based on predicted near-surface currents indicate a potential maximum transport of 40 km south from the Port Aransas region from May 11 to May 14.

Lalime, Derner

**Wind Analysis**

**Port Aransas**: Southeast winds (20kn, 10m/s) this morning becoming east winds (10-15kn, 5-8m/s). Southeast winds (10-15kn) tonight through Friday.
Satellite chlorophyll image and forecast winds for May 12, 2015 06Z with points representing cell concentration sampling data from May 1 to 7: 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/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).