Satellite chlorophyll image with possible *K. brevis* HAB areas shown by red polygon(s), when applicable. Points represent cell concentration sampling data from October 13 to 19: 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:


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

**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 alongshore Texas Monday, October 23 through Monday, October 30. For local information, check the Texas Parks and Wildlife Department Red Tide page (http://tpwd.texas.gov/landwater/water/environconcerns/hab/redtide/).

**Analysis**

Data from Texas A&M University’s Imaging FlowCytobot (IFCB), located on the Port Aransas ship channel, is currently unavailable. For information on area shellfish restrictions, contact the Texas Department of State Health Services.

Recent MODIS Aqua ensemble imagery (10/21; shown left) is partially obscured by clouds, limiting analysis. Elevated chlorophyll (2-8 µg/L) is visible in patches alongshore from Sabine Pass to the Rio Grande. However, elevated chlorophyll in this region 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 70 km south from the Port Aransas region from October 21 to October 26.

**Davis, Ludema**

**Wind Analysis**

**Port Aransas to Matagorda Ship Channel:** Northeast to north winds (10-25kn, 5-13m/s) today through Wednesday. South to southwest winds (5-20kn, 3-10m/s) Thursday through Friday becoming north winds (15-25kn, 8-13m/s) Friday night.
Satellite chlorophyll image and forecast winds for October 24, 2017 06Z with points representing cell concentration sampling data from October 13 to 19: 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:

Verified and suspected HAB areas shown in red. Other areas with *K. brevis* optical characteristics shown in yellow (see p. 1 analysis for interpretation).