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 respiratory impacts are expected alongshore Texas today through Monday, February 25. For information on area shellfish restrictions, contact the Texas Department of State Health Services.

Analysis
There is currently no indication of a harmful algal bloom of Karenia brevis at the coast in Texas. Recent MODIS imagery from 2/16 (shown left), indicates high to very high chlorophyll (>10 to >20 µg/L) visible along- and offshore from Sabine Pass to Matagorda Bay with elevated chlorophyll (2-10 µg/L) stretching from Matagorda Bay to the Rio Grande. 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 transport of 20 km south from the Port Aransas region from February 16-21.

Davis, Kavanaugh

Wind Analysis
Port Aransas: Northeast winds (20-25 kn, 10-13 m/s) today becoming east winds (15-20 kn, 8-10 m/s) tonight. Southeast winds (20 kn, 10 m/s) Wednesday becoming southeast winds (20-25 kn) Wednesday night. South winds (15-20 kn) Thursday becoming west winds (10-15 kn, 5-8 m/s) in the afternoon. Northeast winds (10-15 kn) Thursday night through Friday. North winds (5-15 kn, 3-8 m/s) Saturday becoming east winds after midnight.
Satellite chlorophyll image and forecast winds for February 20, 2013 12Z with cell concentration sampling data from February 9 to 15 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). 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).