Conditions Report

A harmful algal bloom has been identified along the coast of Southern Padre to South Padre Islands. Moderate impacts are possible in this region through Thursday.

Analysis

Recent imagery continues to show elevated chlorophyll along the entire Texas coast, which could contain K. brevis. The K. brevis bloom continues along the coast of Southern Padre to South Padre Islands. Reports of dead fish and severe aerosol effects have been observed offshore South Padre Island. In addition, red tide cells have also been found near Packery Channel and Corpus Christi Bay. Moderate impacts are possible today, with high impacts possible in this region through Sunday. TGLO modeled currents indicate that northward currents today could cause a slight northward expansion of the bloom. However, a shift southward is expected tomorrow which will prevent further transport northward.

-Watlinson, Wynne

Wind Analysis

Light to moderate south to southwesterly winds are expected through tonight. A strong cold front is expected this evening, which will cause strong northeasterly winds (15-20 knots) and high seas through Saturday night or Sunday morning.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch:

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm
Satellite chlorophyll image and forecast winds for October 16, 2009 12Z with Cell concentration sampling data from October 5 to 13 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 HABFS 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).