Gulf of Mexico Harmful Algal Bloom Bulletin
Region: Texas
Thursday, 10 November 2016
NOAA National Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service
Last bulletin: Monday, November 7, 2016

Conditions Report
Karenia brevis (commonly known as Texas red tide) ranges from not present to very low concentrations along the coast of Texas. No respiratory irritation is expected alongshore Texas Thursday, November 10 through Monday, November 14.

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

Analysis
**Note: As of today, November 10, bulletins will be issued once per week on Mondays based on the most recent Karenia brevis water sample data. Bulletins will be issued twice per week when conditions warrant.**

Karenia brevis is no longer present in bloom concentrations along the Texas coast (TPWD; 11/8-11/10). In the Aransas Pass to PINS region, sampling from the Texas A&M University’s Imaging FlowCytobot, located on the Port Aransas ship channel, indicate ‘background’ to ‘very low b’ K. brevis concentrations (TAMU; 11/7-11/10). No new samples have been received from the Corpus Christi Bay or Upper Laguna Madre regions, and no impacts have been reported from the area since 10/21 (TPWD). Detailed sample information and a summary of impacts can be obtained through Texas Parks and Wildlife Department at:
http://www.tpwd.state.tx.us./landwater/water/environconcerns/hab/redtide/status.phtml.
For information on area shellfish restrictions, contact the Texas Department of State Health Services.

Recent MODIS Aqua ensemble imagery (11/7; shown left) is partially obscured by clouds along- and offshore Texas, limiting analysis. Patches of high to very high chlorophyll (5 to >10 µg/L) is visible along- and offshore from Freeport to the Padre Island National Seashore region.

Forecast models based on predicted near-surface currents indicate a maximum transport of 130 km south from the Port Aransas region from November 7-14.

Yang, Davis
Wind Analysis

Baffin Bay to Port Aransas: Northeast to north winds (10-20kn, 5-10m/s) today through Saturday. Northeast winds (5-10kn, 3-5m/s) Sunday through Monday night.
Satellite chlorophyll image and forecast winds for November 11, 2016 12Z with points representing cell concentration sampling data from October 31 to November 9: 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/hab_publication/habfs_bulle tin_guide.pdf