Gulf of Mexico Harmful Algal Bloom Bulletin
Region: Southwest Florida
Monday, 23 June 2014
NOAA National Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service
Last bulletin: Monday, June 16, 2014

Karenia brevis (commonly known as Florida red tide) ranges from not present to background concentrations along the coast of southwest Florida, and is not present in the Florida Keys. No respiratory irritation is expected Monday, June 23 through Monday, June 30. Check http://tidesandcurrents.noaa.gov/hab/beach_conditions.html for recent, local observations.

Analysis
Samples collected over the past ten days along the coast of southwest Florida from Pinellas to Collier counties all indicate that Karenia brevis is not present, with the exception of three background concentrations identified in samples collected in Pinellas County at Redington Pier, in Sarasota County at Bay Dock in Sarasota Bay, and in Collier County at Vanderbilt Beach (FWRI, MML, SCHD, CCPCPD; 6/12-6/18).

Recent MODIS Aqua imagery alongshore southwest Florida has been obscured by clouds over the past several days, limiting analysis. In MODIS Aqua imagery from 6/20 (shown left), patches of elevated to high chlorophyll (2-13 µg/L) are visible along- and offshore portions of Pinellas to Lee counties. Elevated chlorophyll along the coast may be the result of various non-toxic blooms that have been reported throughout the region.

Harmful algal bloom formation at the coast of southwest Florida is not expected today through Monday, June 30.

Burrows, Kavanaugh

Wind conditions from Venice Pier, FL

Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA’s National Weather Service (NWS).

Wind Analysis
Southwest Florida: West winds (10kn, 5 m/s) today and tonight becoming northwest (10kn) through Tuesday night. Wednesday north winds (10kn) becoming northwest winds (10kn) Wednesday afternoon through Thursday night then becoming west winds (10kn) on Friday.
Satellite chlorophyll image and forecast winds for June 24, 2014 06Z with points representing cell concentration sampling data from June 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 Florida Fish and Wildlife Conservation Commission (FWC) Fish and Wildlife Research Institute. 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).