Conditions Report

Karenia brevis (commonly known as Florida red tide) ranges from not present to very low concentrations along the coast of southwest Florida, and is not present in the Florida Keys. No respiratory irritation is expected alongshore southwest Florida Monday, August 29 through Tuesday, September 6.

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

Analysis

**Due to the upcoming federal holiday, the next bulletin will be issued on Tuesday, September 6.**

Recent samples received from along- and offshore southwest Florida from Pinellas to Monroe counties all indicate that Karenia brevis is not present, with the exception of one 'very low' sample collected at Siesta Beach in northern Sarasota County and six background samples collected in northern Pinellas, southern Manatee, and northern Sarasota counties (FWRI, MML, SCHD, CCENRD; 8/19-26). Detailed sample information and a summary of impacts can be obtained through FWC Fish and Wildlife Research Institute at: [http://myfwc.com/redtidestatus](http://myfwc.com/redtidestatus).

Recent ensemble imagery (MODIS Aqua, 8/28), is partially obscured by clouds along-shore southwest Florida from Pinellas to Monroe counties, limiting analysis. Patches of elevated to high chlorophyll (2-11 µg/L) with the optical characteristics of K. brevis are present alongshore southwest Florida from southern Pinellas County to southern Charlotte County and extend up to 10 miles offshore.

Forecasted winds over the next week may decrease the potential for K. brevis bloom formation at the coast.

Lalime, Davis
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

**Englewood to Tarpon Springs (Venice):** East winds (15-25kn, 8-13m/s) today through Tuesday, becoming southeast (5-10kn, 3-5m/s) in the afternoon. South winds (10-20kn, 5-10m/s) Tuesday night through Wednesday. Tropical storm conditions possible Wednesday night through Thursday night. Southwest winds (15kn, 8m/s) Friday.
Satellite chlorophyll image and forecast winds for August 30, 2016 06Z with points representing cell concentration sampling data from August 19 to 26: 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/hab_publication/habfs_bulletin_guide.pdf

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