Gulf of Mexico Harmful Algal Bloom Bulletin
Region: Southwest Florida
Monday, 18 September 2017
NOAA National Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service
Last bulletin: Monday, September 11, 2017

Conditions Report
There is currently no indication of *Karenia brevis* (commonly known as Florida red tide) along the coast of southwest Florida, including the Florida Keys. No respiratory irritation is expected Monday, September 18 through Monday, September 25. For recent, local observations and data check Mote Marine Laboratory Daily Beach Conditions (http://visitbeaches.org/) and the Florida Fish and Wildlife Conservation Commission Red Tide Status (http://myfwc.com/redtidestatus).

Analysis
Recent samples received from alongshore southwest Florida from Pinellas to Sarasota counties indicate *Karenia brevis* is not present, (FWRI, MML; 9/10-9/15). Detailed sample information and a summary of impacts can be obtained through FWC Fish and Wildlife Research Institute at: http://myfwc.com/redtidestatus.

Recent ensemble imagery (MODIS Aqua, 9/17 shown left) shows elevated to very high chlorophyll (2 to >20 µg/L) along- and offshore southwest Florida from Pinellas to Monroe counties, with the optical characteristics of *K. brevis*, likely the result of mixed non-harmful algal blooms previously reported in the region.

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

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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): Predominately north to northeast winds (5-15 kn, 3-8 m/s) today through Friday.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit at: https://tidesandcurrents.noaa.gov/hab/gomx.html
Satellite chlorophyll image and forecast winds for September 19, 2017 06Z with points representing cell concentration sampling data from September 10 to 15: 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:

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