Conditions Report

*Karenia brevis* (commonly known as Florida red tide) ranges from not present to background concentrations along the coast of southwest Florida, including the Florida Keys. No respiratory irritation is expected Monday, July 15 through Monday, July 22. Check [http://tidesandcurrents.noaa.gov/hab/beach_conditions.html](http://tidesandcurrents.noaa.gov/hab/beach_conditions.html) for recent, local observations.

Analysis

Two recent samples, one collected at Mullet Key in Pinellas County and the other at Palma Sola Bay bridge in Manatee County, contained background concentrations of *Karenia brevis* (FWRI; 7/8-9). All other samples collected alongshore and offshore southwest Florida, from Pinellas to Monroe County, including the Florida Keys, did not indicate the presence of *K. brevis* (FWRI, MML; 7/8-7/10).

MODIS Aqua imagery has been obscured by clouds alongshore southwest Florida over the last several days limiting analysis. MODIS Aqua imagery from July 12 (shown left), does not indicate elevated levels of chlorophyll alongshore the visible portions of Sarasota County. Harmful algal bloom formation alongshore southwest Florida is not expected today through Monday, July 22.

Urizar, Fenstermacher

Wind conditions from Fort Meyers, FL

Wind analysis and forecast data provided by NOAA’s National Weather Service (NWS).

**Wind Analysis**

**Southwest Florida:** Easterly winds (5-15 kn, 3-8 m/s) today through Wednesday. Northeasterly winds (10 kn, 5 m/s) Thursday and easterly winds (5 kn) Thursday night. South-easterly winds (5 kn) Friday becoming southwesterly in the afternoon.
Satellite chlorophyll image and forecast winds for July 16, 2013 06Z with points representing cell concentration sampling data from July 7 to 11: 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).