**Gulf of Mexico Harmful Algal Bloom Bulletin**
Region: Southwest Florida
Monday, 21 July 2014
NOAA National Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service
Last bulletin: Monday, July 14, 2014

**Conditions Report**

*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, July 21 through Monday, July 28. Check [http://tidesandcurrents.noaa.gov/hab/beach_conditions.html](http://tidesandcurrents.noaa.gov/hab/beach_conditions.html) for recent, local observations.

**Analysis**

Samples collected over the past week along- and offshore the coast of southwest Florida from Pinellas to Collier County all indicate that *Karenia brevis* is not present, with the exception of background concentrations identified in samples collected at New Pass in Sarasota County and the Boca Grande Pier of Gasparilla Sound in Charlotte County (FWRI, MML, SCHD, CCPCPD; 7/14-7/17). Recent MODIS Aqua imagery along- and offshore southwest Florida has been obscured by clouds over the past several days, preventing analysis. In MODIS Aqua imagery from 7/20 (shown left), no elevated chlorophyll is visible offshore central Lee County and Collier County.

Harmful algal bloom formation at the coast of southwest Florida is not expected today through Monday, July 28.

Burrows, Davis

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To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit at: [http://tidesandcurrents.noaa.gov/hab/bulletins.html](http://tidesandcurrents.noaa.gov/hab/bulletins.html)
Wind Analysis

Southwest Florida: Southeast winds (5kn, 3m/s) today becoming north winds (10-15kn, 5-8m/s) in the afternoon. North winds (10-15kn) tonight becoming east winds (5-10kn, 3-5m/s) after midnight. East winds (5kn) Tuesday becoming north winds (5-10kn) in the afternoon. Northeast winds (5kn) Tuesday night. North winds (5kn) Wednesday becoming northwest in the afternoon. Southwest winds (5kn) Wednesday night becoming south winds (10kn, 5m/s) after midnight through Thursday. Southwest winds (10kn) Thursday night through Friday.
Satellite chlorophyll image and forecast winds for July 22, 2014 06Z with points representing cell concentration sampling data from July 11 to 17: 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).