Conditions Report

There is currently no indication of a harmful algal bloom at the coast in southwest Florida, including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, June 21.

Analysis

There is currently no indication of a bloom in southwest Florida; however, harmful algae has been identified in Sarasota County. Very low concentrations of *Karenia brevis* were found in a sample taken in southern Sarasota County and background concentrations were found in a sample taken in central Sarasota County (SCHD, 6/8). Additional samples taken alongshore Manatee, Sarasota, Charlotte, Lee and Collier counties and offshore the Florida Keys all indicate that *K. brevis* is not present (FWRI 6/8-12, MML 6/8).

A dinoflagellate bloom of *Takayama tuberculata* identified in the Naples Bay region of Collier County appears to be diminishing in concentration (CCPCPD, 6/12). Background concentrations were identified in Naples Bay on 6/11 (FWRI) but none were found in Copperfield Ct. canal (CCPCPD, 6/12). Additionally, no toxins have been detected in water samples collected where *T. tuberculata* was identified (FWRI, 6/10).

Recent MODIS imagery is almost entirely obscured by cloud cover throughout southwest Florida, making additional analysis of previously identified features impossible. These features, were, however, likely due to non-harmful algae.

Harmful algal bloom formation alongshore southwest Florida is not expected today through Sunday, June 21.

Due to technical difficulties SeaWiFS imagery is presently unavailable. MODIS imagery has been used for bloom analysis and is displayed on this bulletin.

-Lindley, Urizar, Derner
Wind Analysis
Northwest winds today and tonight (10 kn, 5 m/s). West winds Tuesday (10 kn, 5 m/s) becoming Northwest Tuesday night through Thursday (10 kn, 5 m/s). North winds Thursday night and Friday (5-10 kn, 3-5 m/s).

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm
Satellite chlorophyll image and forecast winds for June 16, 2009 12Z with Cell concentration sampling data from June 5 to 10 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS 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).