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, January 23.

Analysis

There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. *Karenia brevis* was not identified in samples collected last week alongshore Pinellas, Manatee, Sarasota, Charlotte, Lee and Collier counties and offshore northern Monroe County; although, non-toxic mixed diatoms blooms continue to be reported along southwest Florida (FWRI, MML, SCHD; 1/10-12). Cloudy water was reported in central and southern Lee County (FWRI 1/12).

Due to persistent cloud cover over southwest Florida, it is difficult to analyze chlorophyll levels in the most recent satellite imagery. The last bulletin (issued Jan. 10) reported elevated chlorophyll levels from Pinellas to Collier County, and as of Jan. 14, they had dissipated. In the Florida Keys region, however, cloud cover does not permit any analysis.

Wind forecasts do not indicate a potential for bloom formation today through Saturday, Jan. 22.

*Note: SeaWiFS imagery is currently unavailable, MODIS imagery is shown at left and on page 3.*

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Wind Analysis
Southwest Florida: Southwesterly winds (5-10 kn, 3-5 m/s) today. Northwesterly winds (5-10 kn) tomorrow and variable winds (5 kn) tomorrow night. Southeasterly to southerly winds (5-10 kn) Thursday. Southerly to westerly winds (10-15 kn, 5-8 m/s) Friday. Northwesterly winds (10 kn) Saturday.
Satellite chlorophyll image and forecast winds for January 19, 2011 12Z with Cell concentration sampling data from January 8 to 12 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).