Gulf of Mexico Harmful Algal Bloom Bulletin
Region: South Florida
27 May 2008
NOAA Ocean Service
NOAA Satellites and Information Service
Last bulletin: May 19, 2008

Conditions Report
There is currently no indication of a harmful algal bloom alongshore southwest Florida. No impacts are expected today through Sunday, June 1.

Analysis
There is currently no indication of a harmful algal bloom at the coast in southwest Florida. No *Karenia brevis* was identified in samples collected onshore last week from Pinellas to Collier County. Background concentrations of *K. brevis* were identified approximately 20 miles offshore Pasco County on 5/13 (FWRI). While onshore clouds limit analysis, a slightly elevated band (< 3μg/L) of chlorophyll extends from Pinellas to Lee Counties, including near confirmed offshore *K. brevis* background concentration (5/13; FWRI). This may be due to the presence of non-harmful algae (5/19-22; FWRI). The elevated chlorophyll feature offshore of Collier County, noted in the last bulletin (5/19), is currently obscured by clouds and limits analysis. Chlorophyll levels are higher (up to 6μg/L) alongshore Lee County. Bloom formation at the coast is unlikely today through Friday. Please note that due to past technical difficulties, SeaWiFS imagery is temporarily unavailable for display on this bulletin; MODIS imagery is shown on pages 1 and 3 of this bulletin.

Fenstermacher, Lindley, Urizar

---

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.
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 conditions from Venice Pier, FL

Wind conditions from Naples, FL

Wind Analysis

SW Florida: Onshore winds this afternoon (10 kts; 5 m/s). Easterlies on Wednesday and north to northwesterlies Wednesday afternoon (10-15 kts; 5-8 m/s). Easterlies on Thursday and Friday (5-15 kts; 3-10 m/s). Southeasterlies on Saturday becoming northwest in the afternoon (10 kts; 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 May 28, 2008 12Z with Cell concentration sampling data from May 19 to 23 shown as red (high), orange (medium), yellow (low), 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://www.csc.noaa.gov/crs/habf/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).