



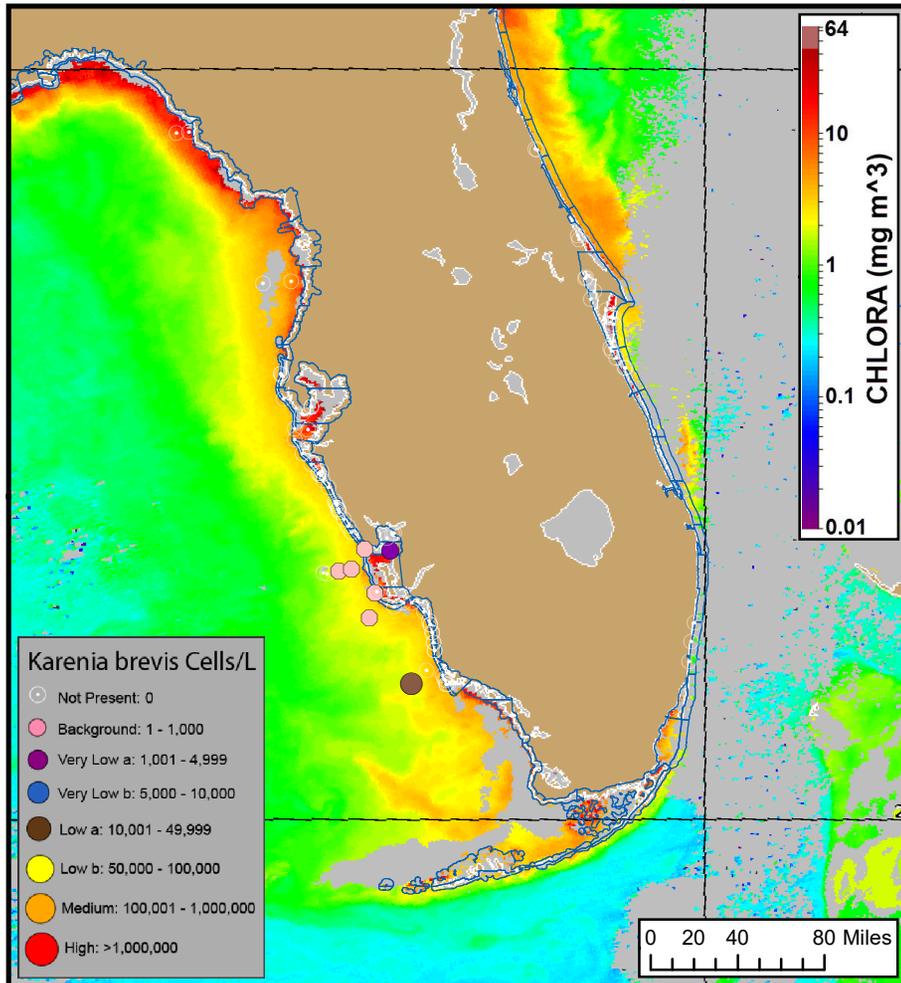
# Gulf of Mexico Harmful Algal Bloom Bulletin

Monday, January 6, 2020  
NOAA National Ocean Service  
NOAA Satellite and Information Service  
NOAA National Weather Service

Region: Southwest Florida



Instructions for viewing this geospatial pdf are available at: <https://go.usa.gov/xn9g2>.



## Conditions Report

Bloom level concentrations of *Karenia brevis* (commonly known as red tide) are no longer detectable along the coast of southwest Florida. No respiratory irritation associated with *K. brevis* is expected in this region.

**\*\*Note:** As of today, January 6, southwest Florida bulletins (Dixie County to the Florida Keys) will no longer be issued. The region will continue to be monitored and twice weekly bulletins will resume as conditions warrant.\*\*

## Analysis

### Imagery:

Visible surface chlorophyll continues to decline in concentration. In recent ensemble imagery (MODIS Aqua, 1/5), elevated chlorophyll (2 to 6 µg/L) is visible alongshore the southwest Florida coast but does not contain the optical characteristics of *K. brevis*.

### Forecasts:

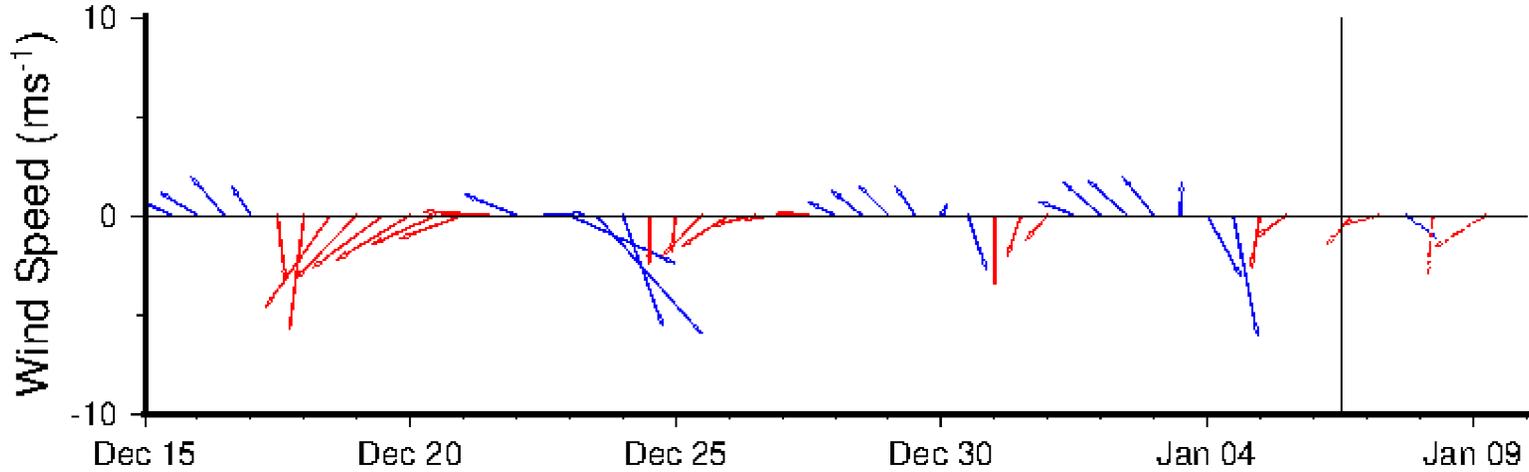
Respiratory irritation from *K. brevis* is no longer expected. Harmful algal bloom formation at the coast of southwest Florida is not expected today through Monday, January 13.

Davis, Keeney

*Karenia brevis* cell concentration sampling data from: 12/27/19 through 01/02/20. Cell count data are provided by Florida 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: [https://tidesandcurrents.noaa.gov/hab/hab\\_publication/GOMX\\_HAB\\_Bulletin\\_Guide.pdf](https://tidesandcurrents.noaa.gov/hab/hab_publication/GOMX_HAB_Bulletin_Guide.pdf). Detailed sample information can be obtained through the Florida FWC Fish and Wildlife Research Institute: <http://myfwc.com/REDTIDESTATUS>.

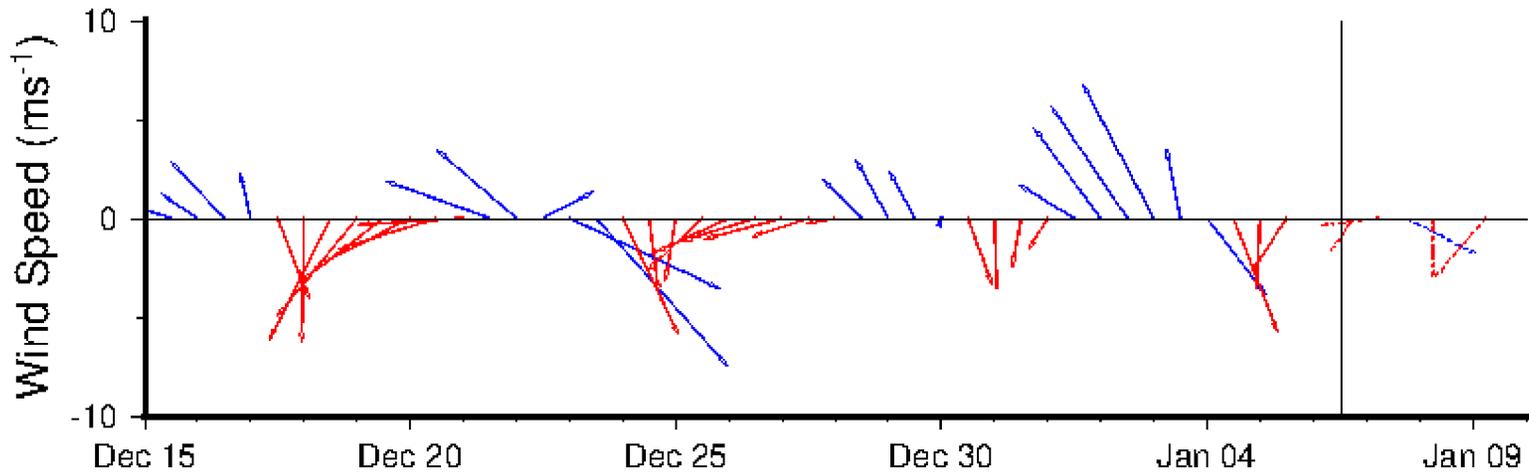
MODIS Aqua satellite chlorophyll image (01/05/20) with possible *K. brevis* HAB areas shown by red polygon(s).

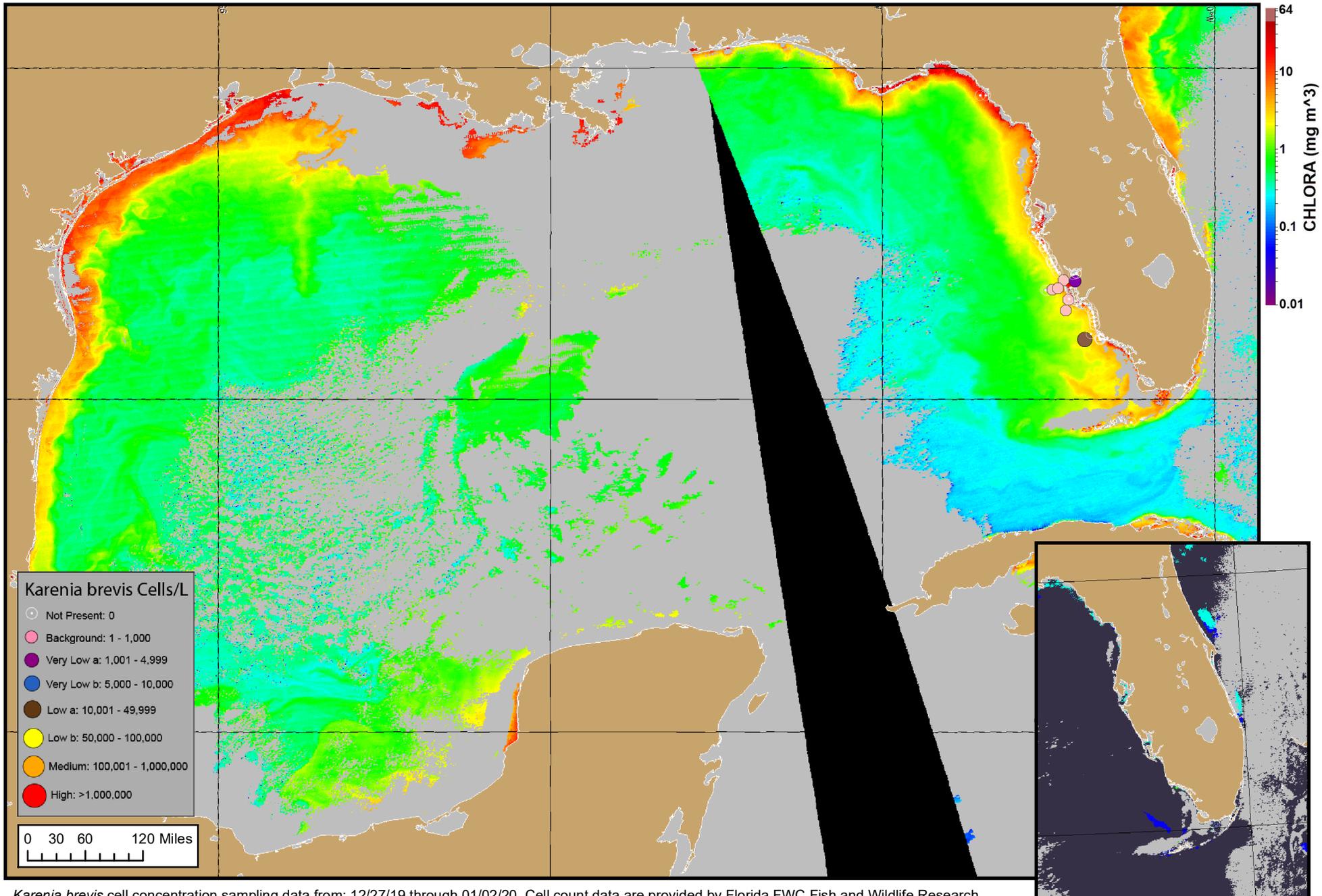
**Wind conditions from Naples, FL**



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 vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS). A text summary of the marine forecast by region is available from NWS at <https://go.usa.gov/xnx4y>.

**Wind conditions from Venice Pier, FL**





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Verified and suspected HAB areas shown in red. Other areas with *K. brevis* optical characteristics shown in yellow (see p. 1 analysis for interpretation).