



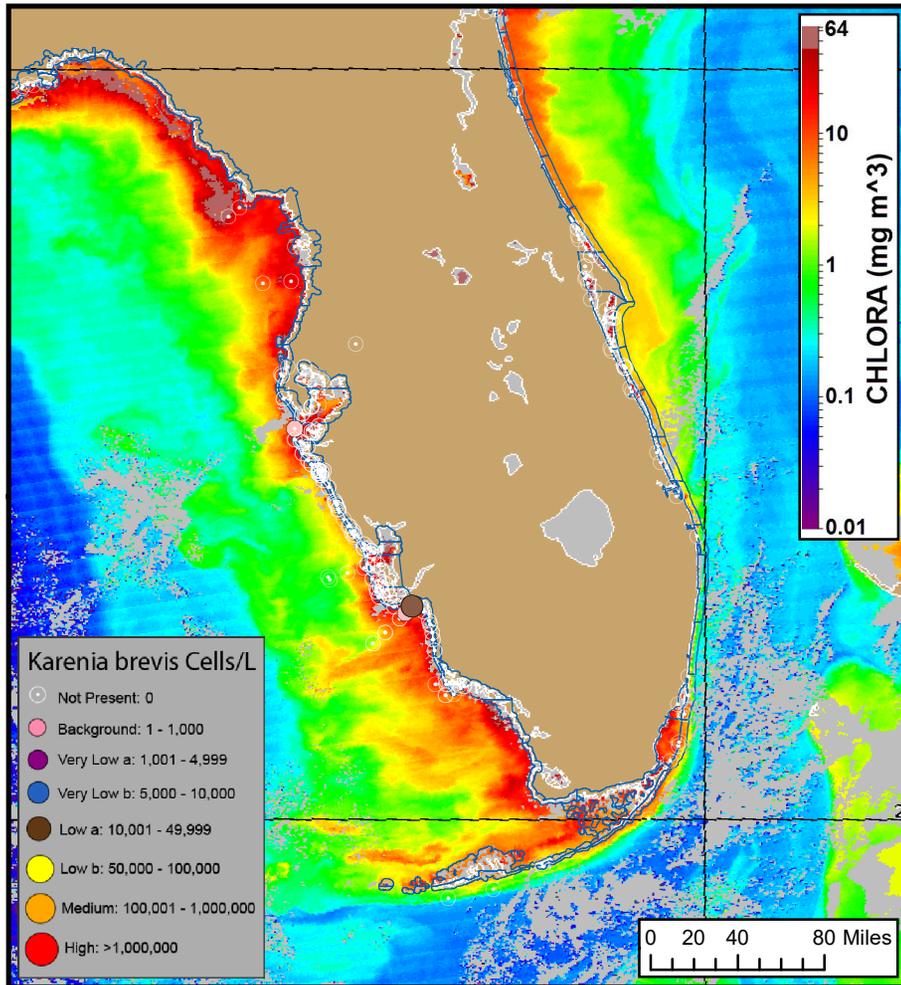
# Gulf of Mexico Harmful Algal Bloom Bulletin

Thursday, September 26, 2019  
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

Not present to low concentrations of *Karenia brevis* (commonly known as red tide) are present offshore portions of southwest Florida and are not present at the coast. No respiratory irritation associated with *K. brevis* is expected in this region.

## Analysis

***K. brevis* Cell Concentrations:**  
**Range:** Not Present through Low  
**Date:** 9/16-9/25  
**Source:** FWRI, MML, SCHD, CCPCD, SCCF

## Imagery:

In recent satellite imagery (MODIS Aqua, 9/25), patches of elevated to very high chlorophyll (2 to >20 µg/L) with some of the optical characteristics of *K. brevis* are present alongshore Manatee and Lee counties. The area of chlorophyll along- and up to 19 miles offshore of Lee County has increased in concentration this week and is consistent with the increase in recent *K. brevis* samples from 'not present' to 'low'.

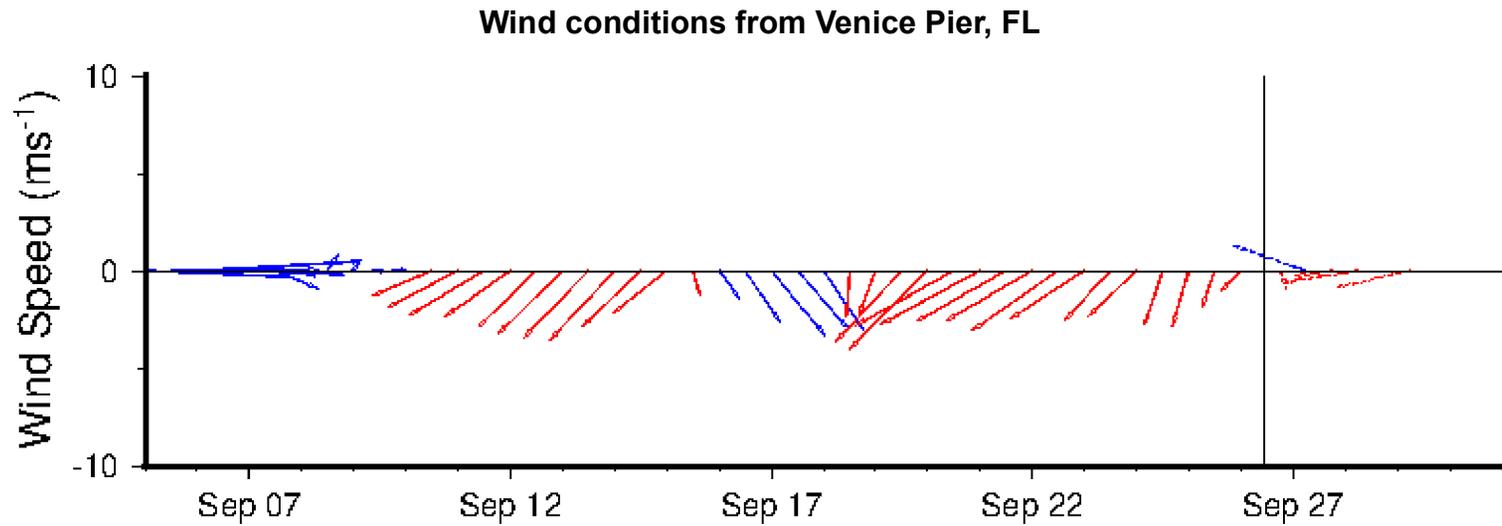
## Forecasts:

Offshore winds (5-20 kn) forecast today through Monday (9/26-30) will reduce the potential for respiratory irritation and bloom intensification at the coast.

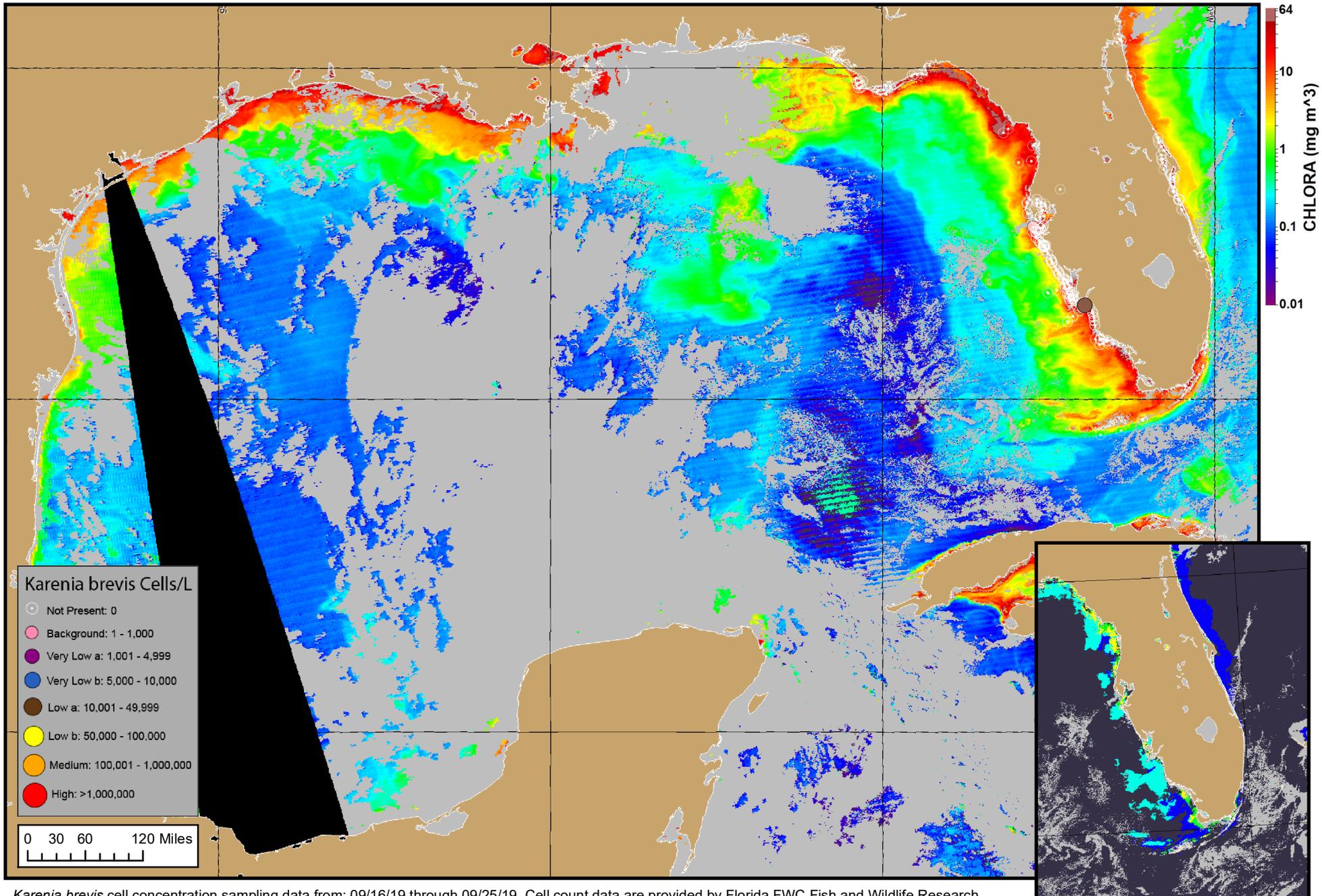
Davis, Jima

*Karenia brevis* cell concentration sampling data from: 09/16/19 through 09/25/19. 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 (09/25/19) with possible *K. brevis* HAB areas shown by red polygon(s).



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://www.weather.gov/marine/stheastmz>.



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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).