



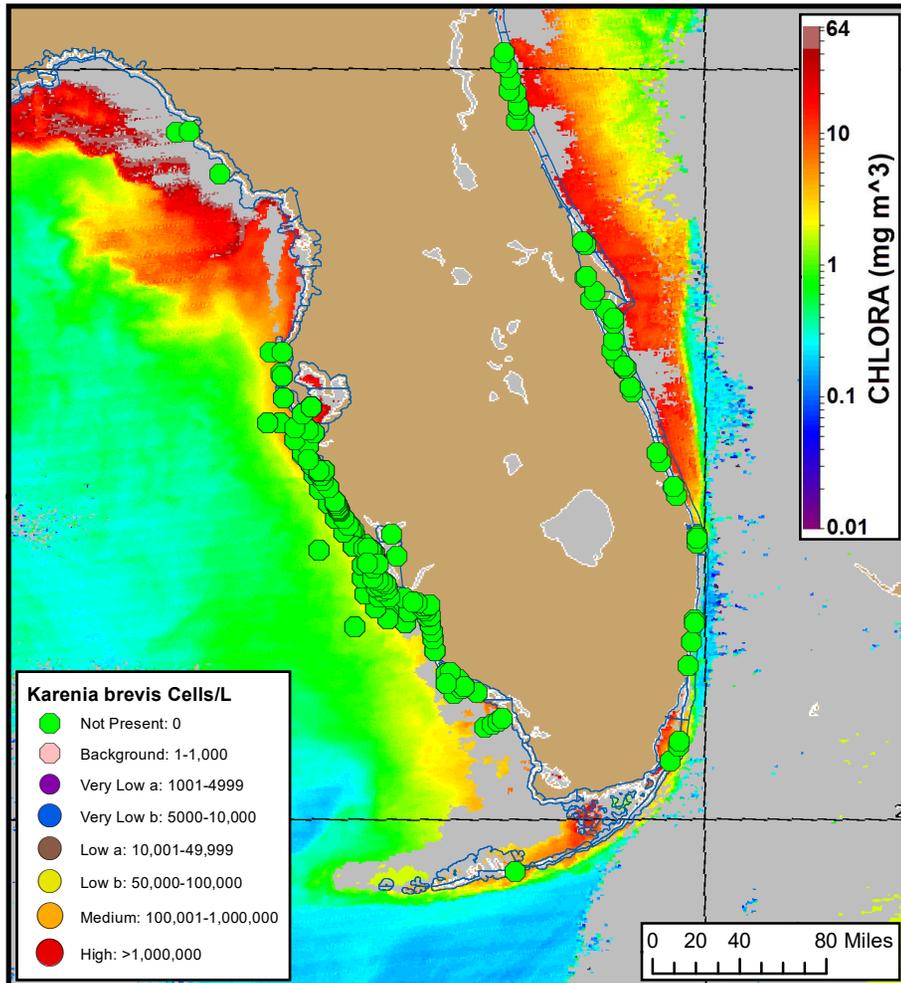
Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

Thursday, March 7, 2019
NOAA National Ocean Service
NOAA Satellite and Information Service
NOAA National Weather Service



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



Karenia brevis cell concentration sampling data from: 02/25/19 through 03/05/19. 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. Detailed sample information can be obtained through the Florida FWC Fish and Wildlife Research Institute: <http://myfwc.com/REDTIDESTATUS>.

MODIS Aqua satellite chlorophyll image (03/06/19) with possible *K. brevis* HAB areas shown by red polygon(s).

Conditions Report

The bloom of *Karenia brevis* (commonly known as red tide) is 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, March 7, southwest Florida bulletins (Taylor County, FL to Florida Keys) will no longer be issued. The region will continue to be monitored and twice weekly bulletins will resume as conditions warrant.**

Analysis

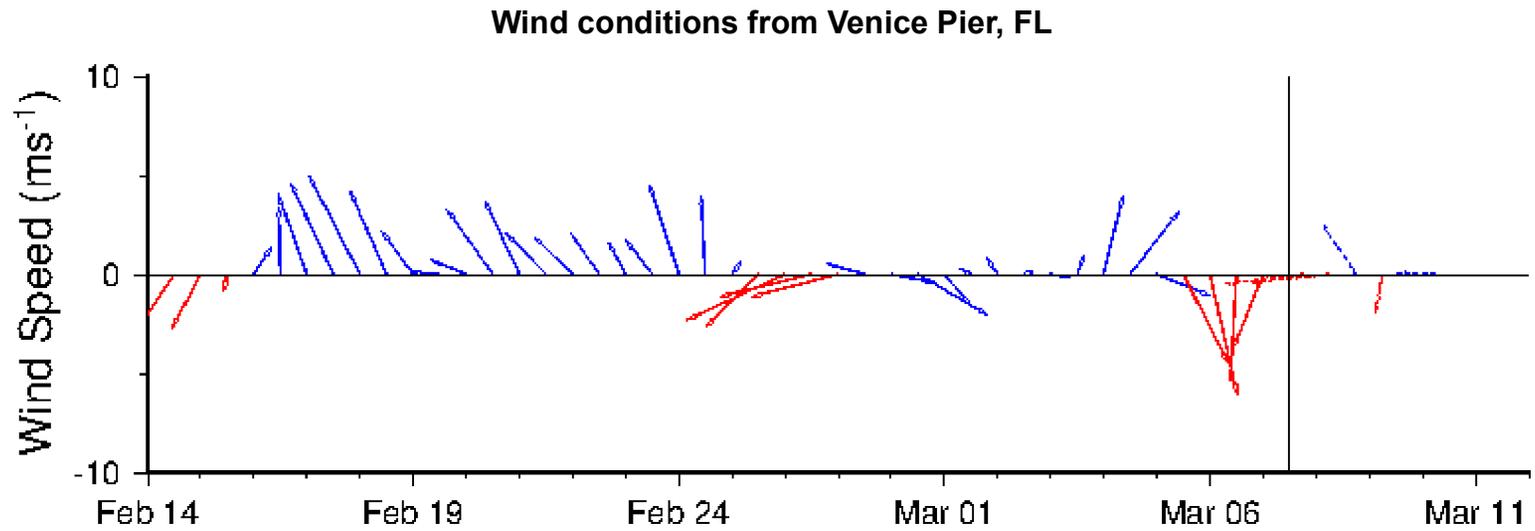
Imagery:

In recent ensemble imagery (MODIS Aqua, 3/6), elevated chlorophyll (2 to 6 µg/L) is visible alongshore the southwest Florida coast but does not contain the optical characteristics of *K. brevis*.

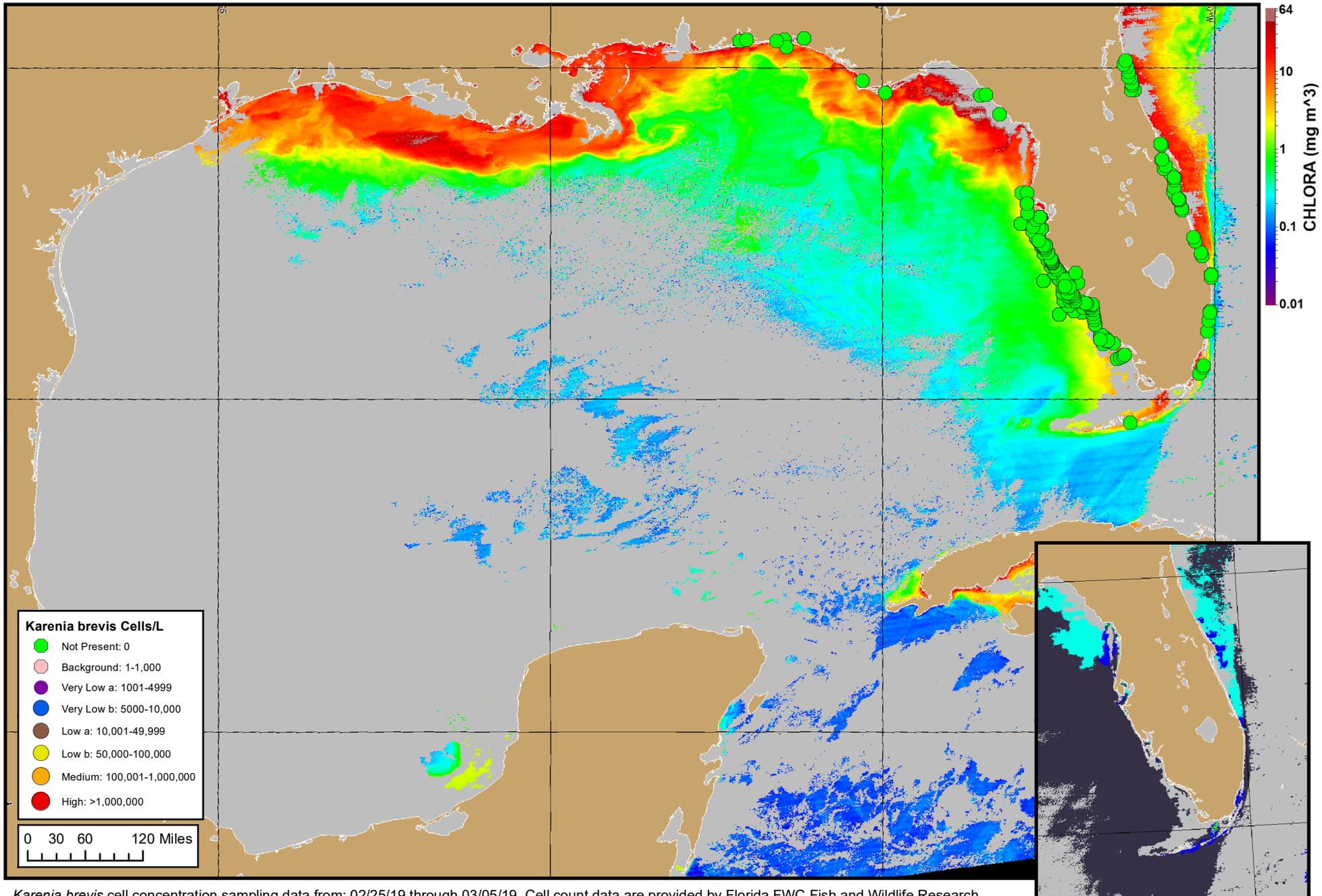
Forecasts:

Harmful algal bloom formation at the coast of southwest Florida is not expected today through Monday, March 11.

Davis, Keeney



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 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>.



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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).