



Gulf of Mexico Harmful Algal Bloom Bulletin

Monday, August 5, 2019

NOAA National Ocean Service

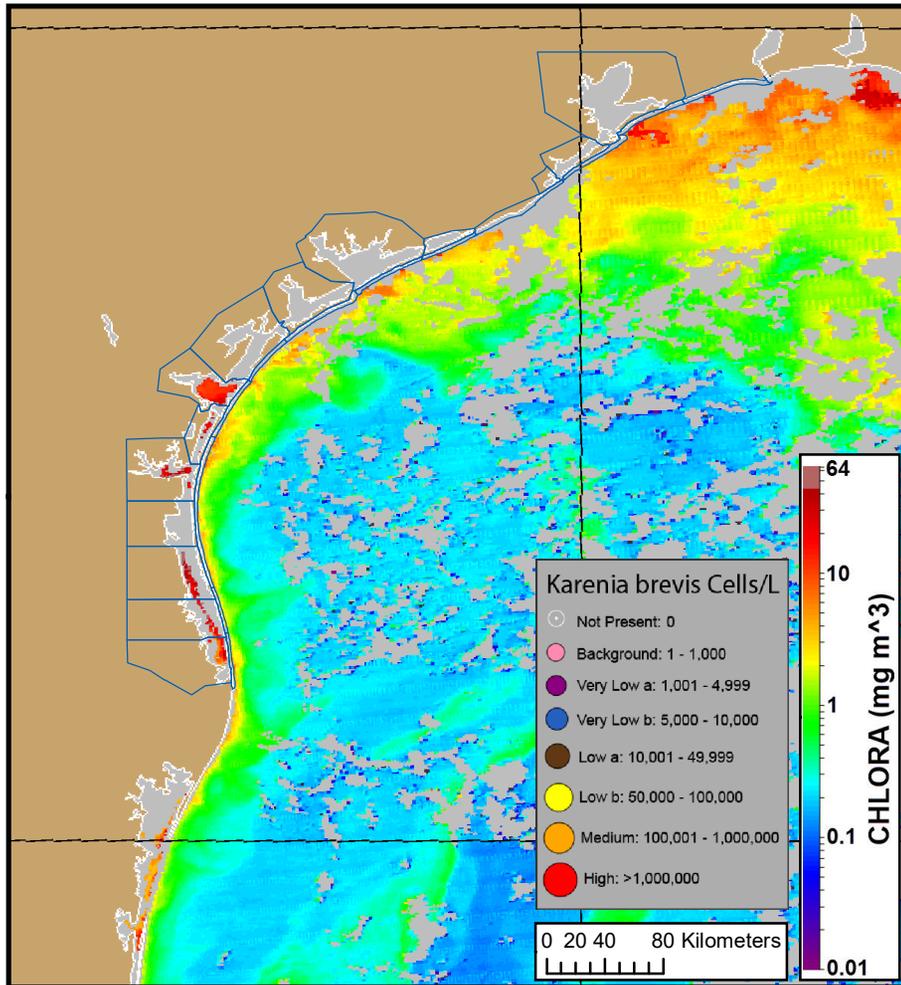
NOAA Satellite and Information Service

NOAA National Weather Service

Region: Texas



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



Conditions Report

No respiratory irritation associated with *Karenia brevis* (commonly known as red tide) is expected in this region.

Analysis

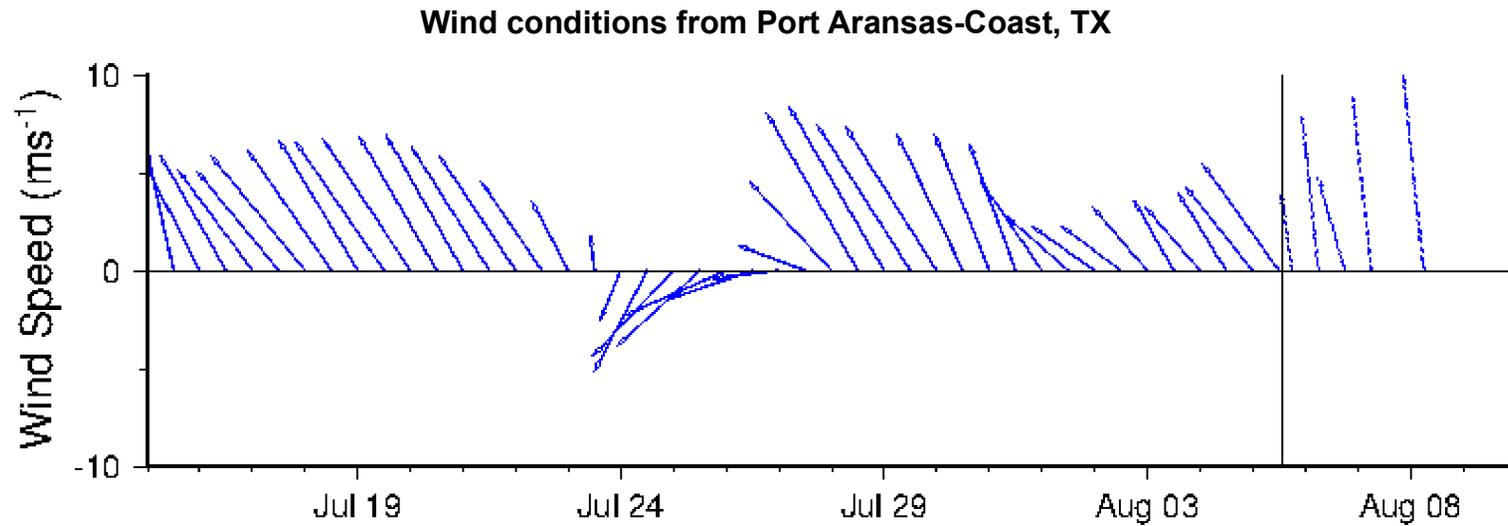
Imagery:

Recent ensemble imagery (MODIS Aqua, 8/3) is partially obscured alongshore the Texas Coast. Patches of very high chlorophyll (1-15 $\mu\text{g/L}$) are present alongshore from Sabine Pass to the Rio Grande, but with none of the optical characteristics of *K. brevis*. Elevated chlorophyll in this region is most likely due to the resuspension of benthic chlorophyll and sediments along the coast.

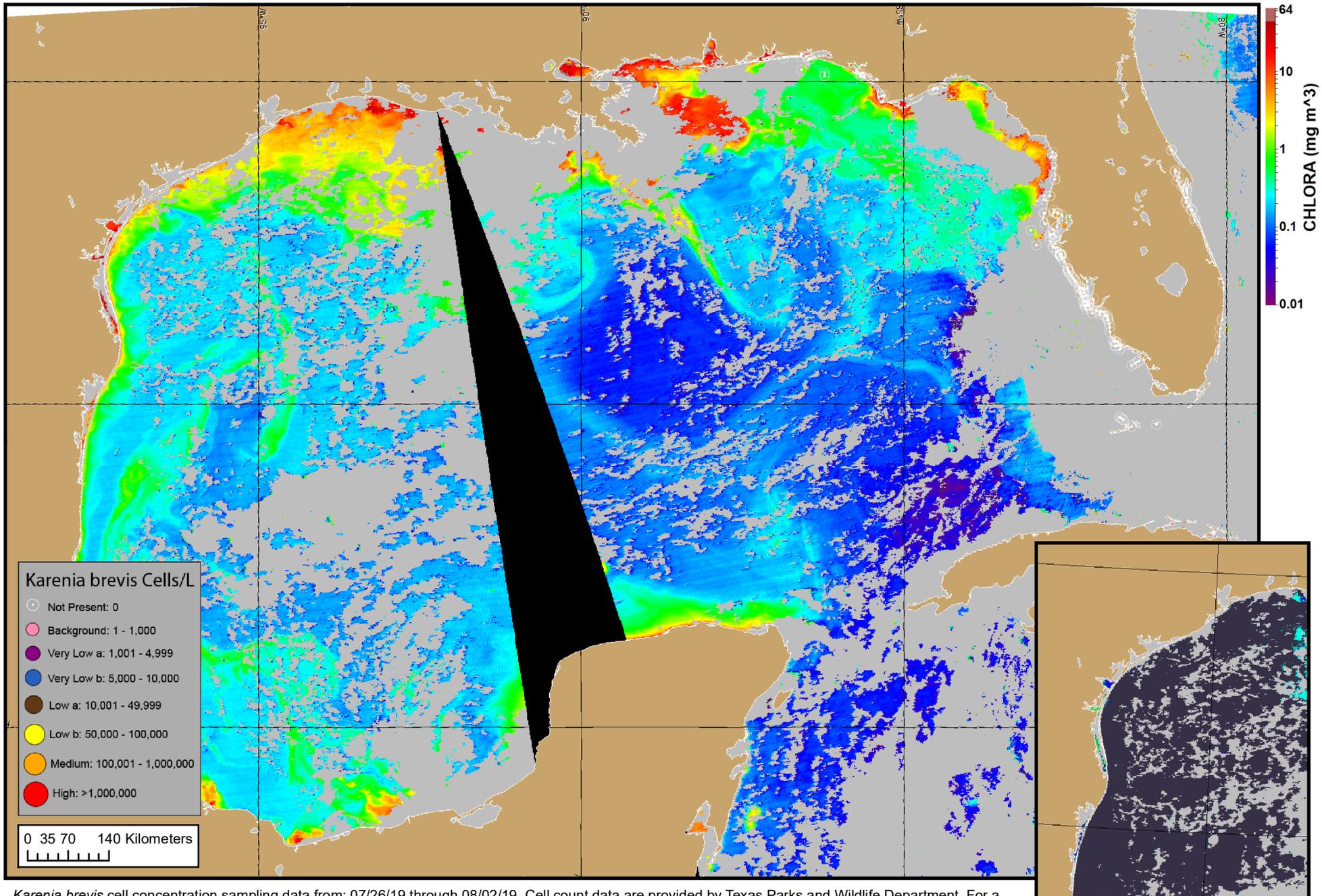
Keeney, Davis

Karenia brevis cell concentration sampling data from: 07/26/19 through 08/02/19. Cell count data are provided by Texas Parks and Wildlife Department. 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 Texas Parks and Wildlife Department at: <http://www.tpwd.state.tx.us/landwater/water/enviroconcerns/hab/redtide/status.phtml>.

MODIS Aqua satellite chlorophyll image (08/03/19) 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).