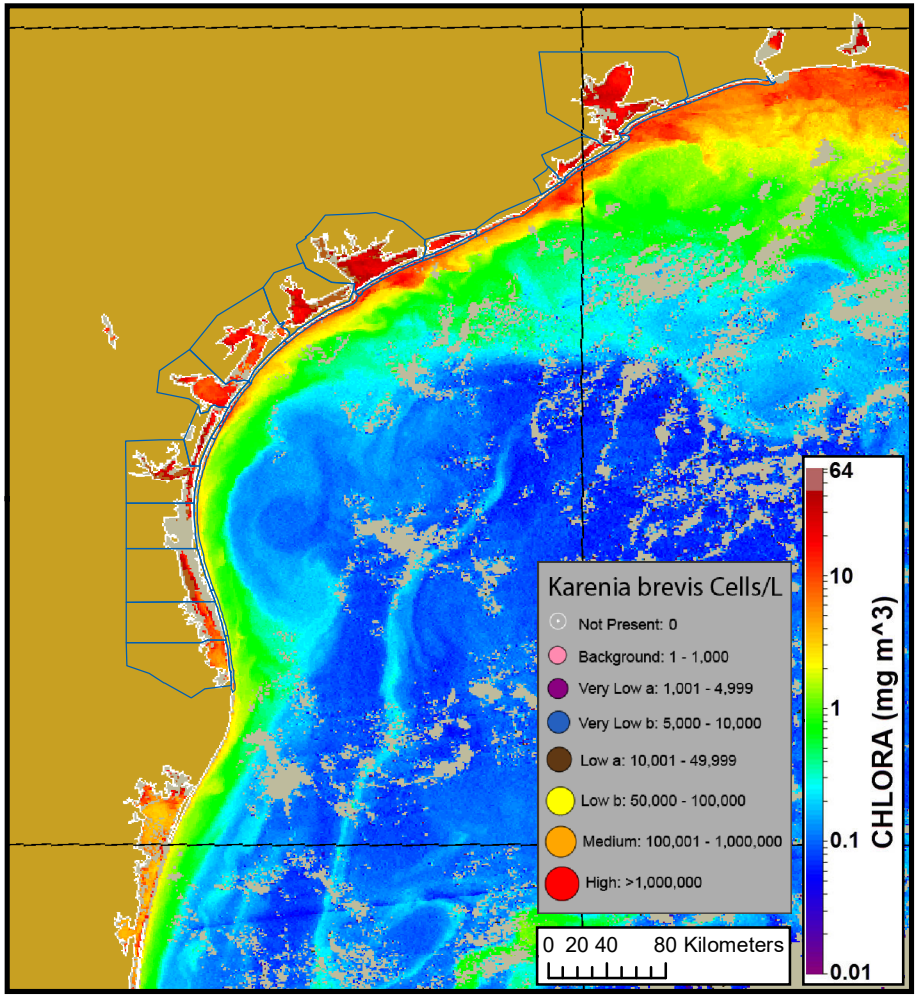
Gulf of Mexico Harmful Algal Bloom Bulletin

Monday, August 17, 2020
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.



Karenia brevis cell concentration sampling data from: 08/07/20 through 08/14/20. 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/environconcerns/hab/redtide/status.phtml.

VIIRS satellite chlorophyll image (08/14/20) with possible *K. brevis* HAB areas shown by red polygon(s).

Conditions Report

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

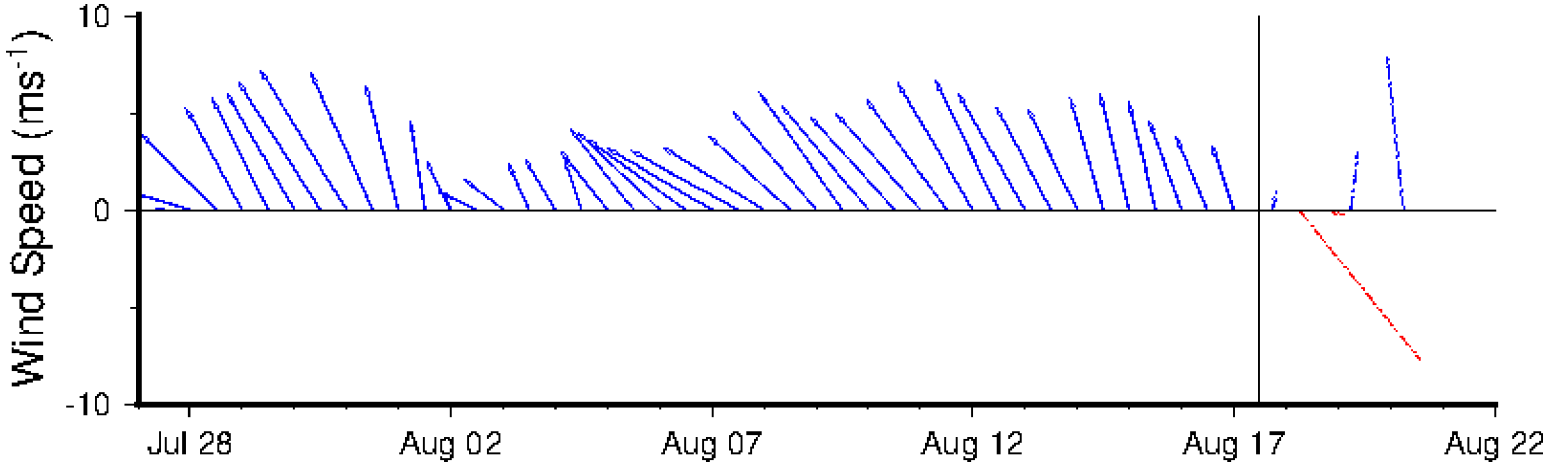
Analysis

Imagery:

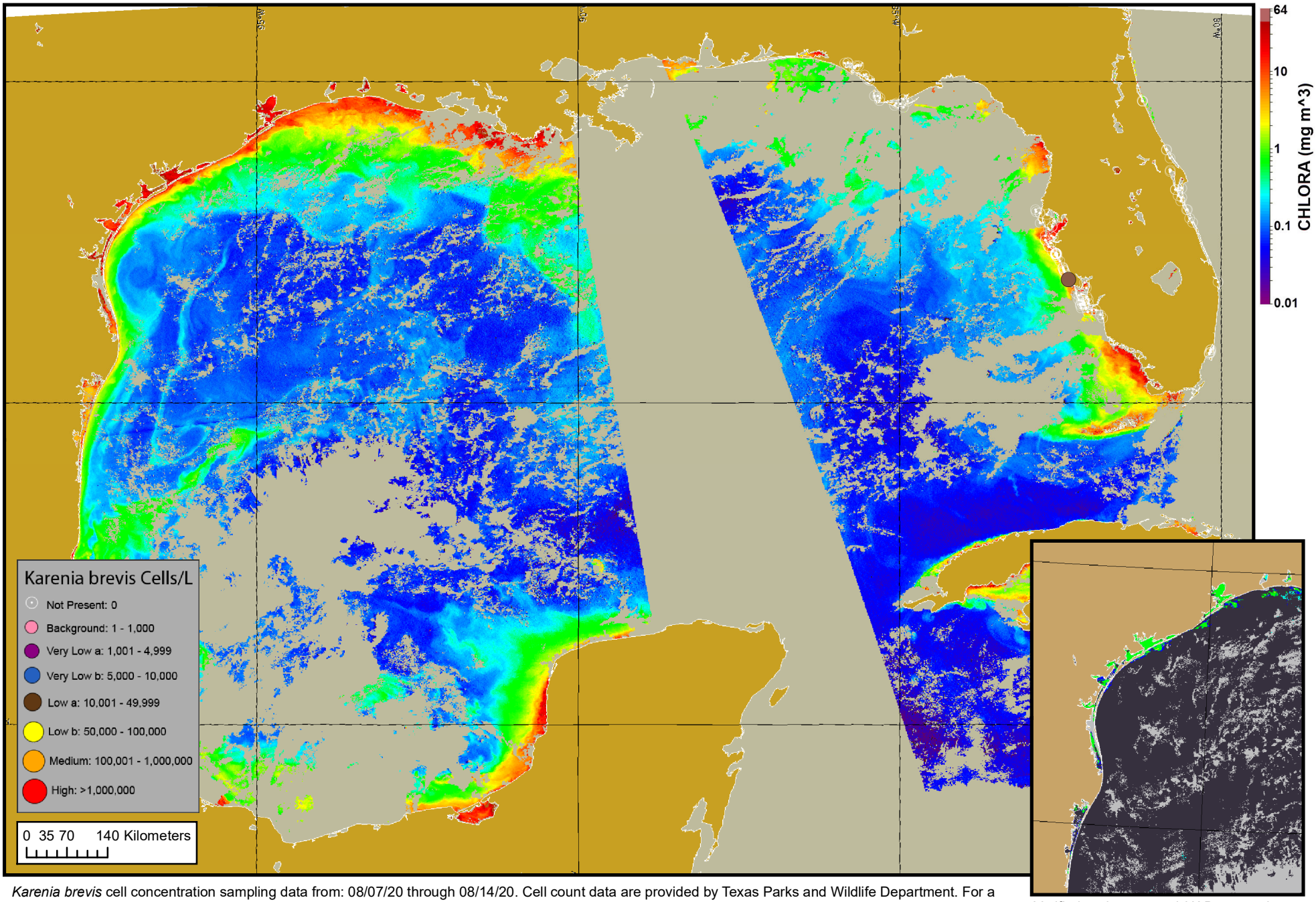
Recent ensemble imagery (VIIRS, 8/14) shows elevated to very high chlorophyll (2 to >20 µg/L) present along the Texas coast from Sabine Pass to the Rio Grande. Three small patches of very high chlorophyll (>20 µg/L) with some of the optical characteristics *K. brevis* are present alongshore the Bolivar Peninsula, Surfside Beach, and Matagorda Island. Elevated chlorophyll in these regions is typically due to the resuspension of benthic chlorophyll and sediments along the coast.

Davis, Keeney

Wind conditions from Port Aransas-Coast, TX



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).

VIIRS satellite chlorophyll image (08/14/20).