



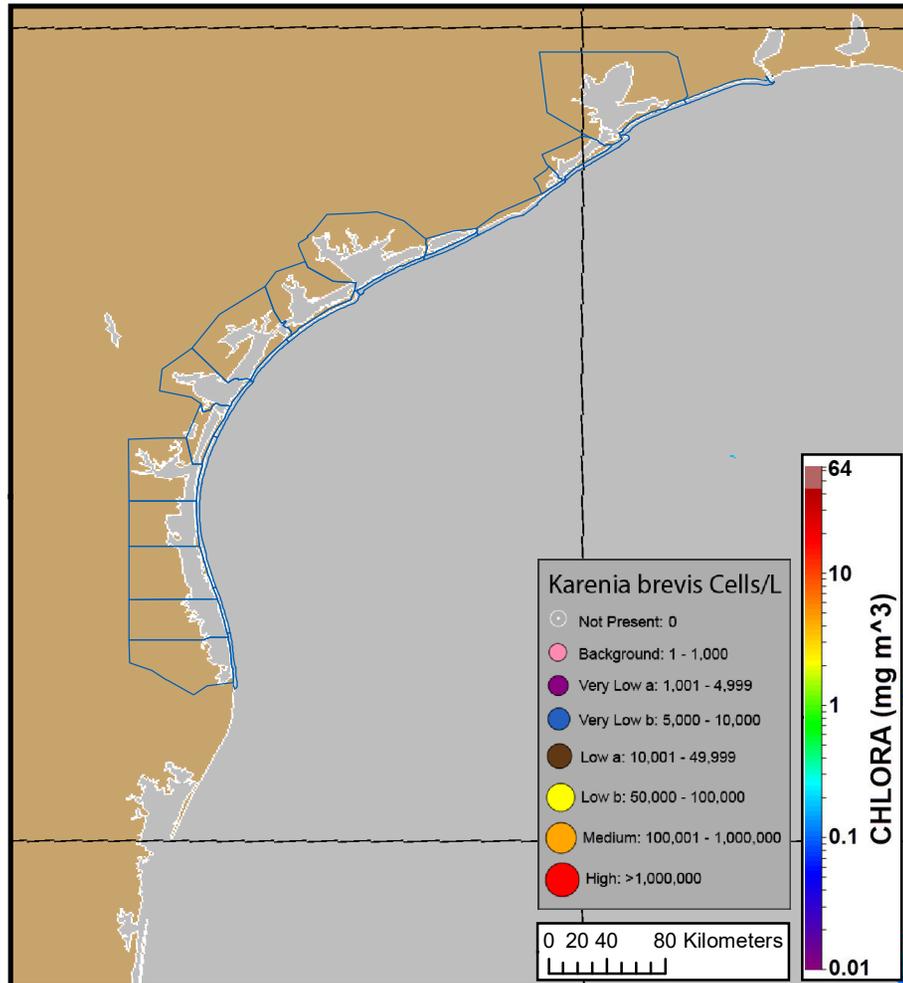
# Gulf of Mexico Harmful Algal Bloom Bulletin

Monday, January 25, 2021  
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.

**\*\*Note: As of today, January 25, Texas bulletins will no longer be issued. The region will continue to be monitored and updates will resume as conditions warrant\*\***

## Analysis

### Imagery:

Recent ensemble imagery (VIIRS, 1/22) has been completely obscured by clouds, preventing analysis of the region. Elevated chlorophyll in this region is most likely due to the resuspension of benthic chlorophyll and sediments along the coast.

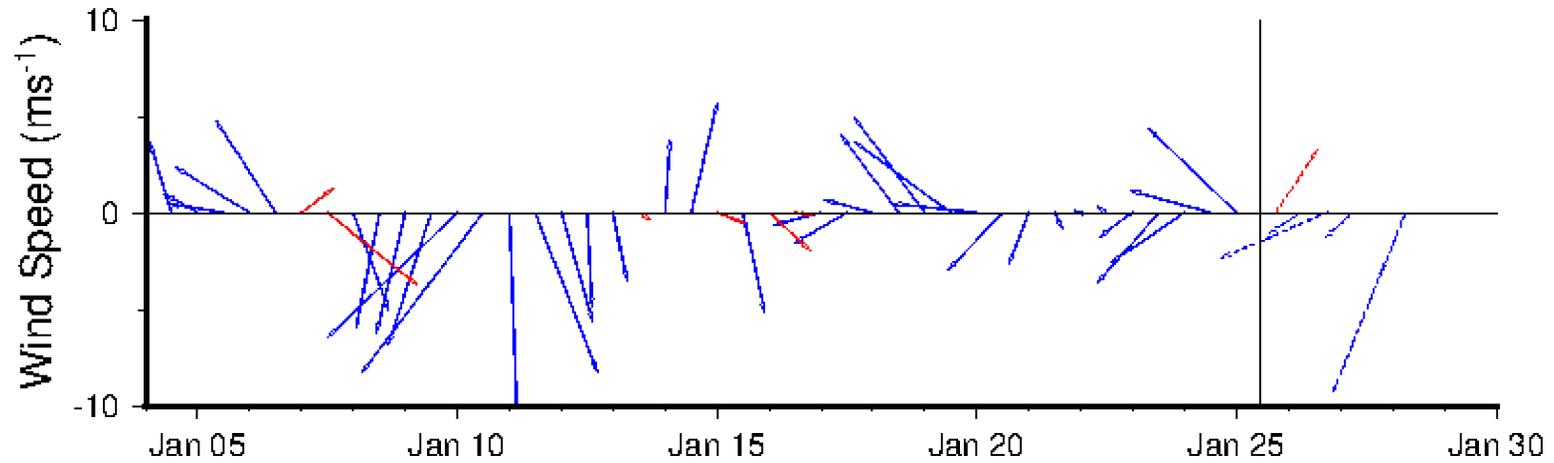
Additional satellite imagery available here:  
<https://tidesandcurrents.noaa.gov/hab/gomx/data/Imagery-WesternGOMX/>

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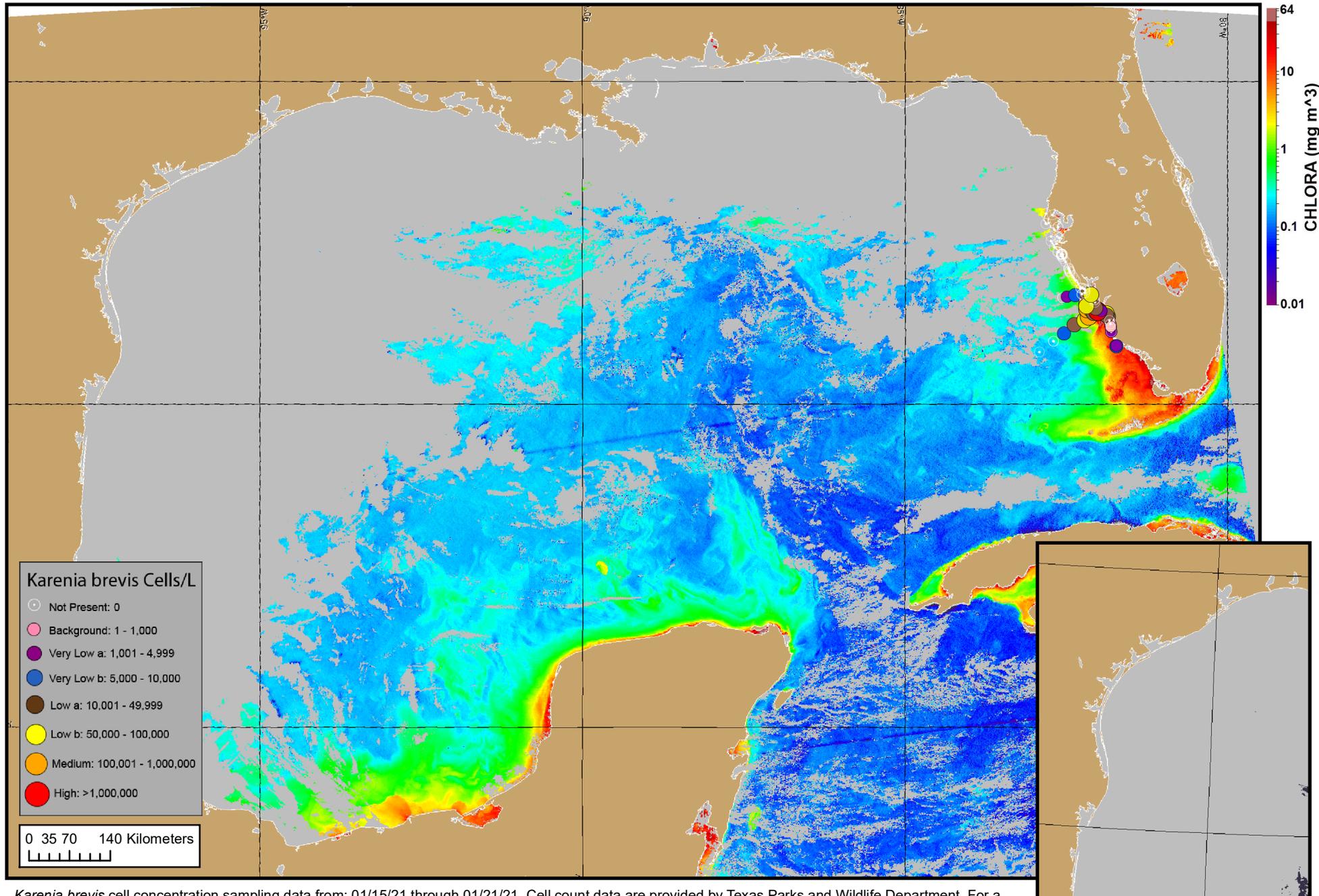
*Karenia brevis* cell concentration sampling data from: 01/15/21 through 01/21/21. Cell count data are provided by Texas Parks and Wildlife Department. For a list of sample providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide: [https://tidesandcurrents.noaa.gov/hab/hab\\_publication/GOMX\\_HAB\\_Bulletin\\_Guide.pdf](https://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>.

VIIRS satellite chlorophyll image (01/23/21) with possible *K. brevis* HAB areas shown by red polygon(s).

### 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 (01/23/21).