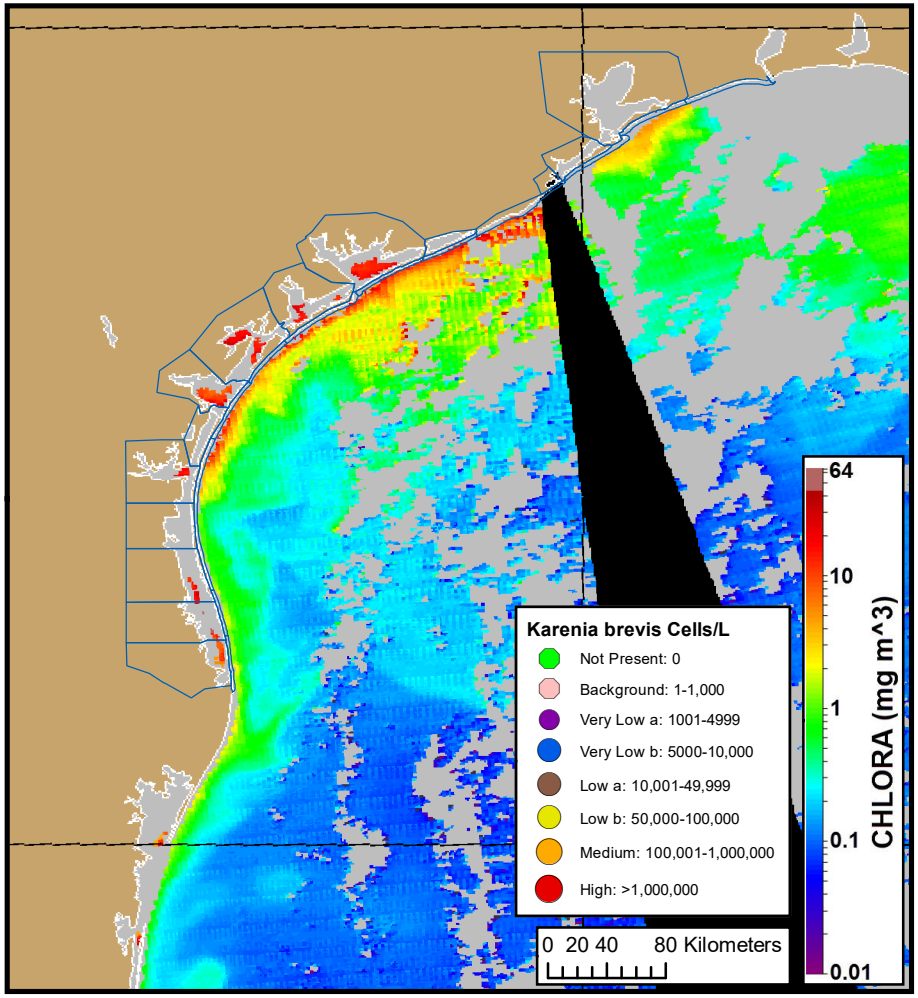
Gulf of Mexico Harmful Algal Bloom Bulletin

Tuesday, May 29, 2018
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: 05/19/18 through 05/24/18. 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.

MODIS Aqua satellite chlorophyll image (05/26/18) 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:

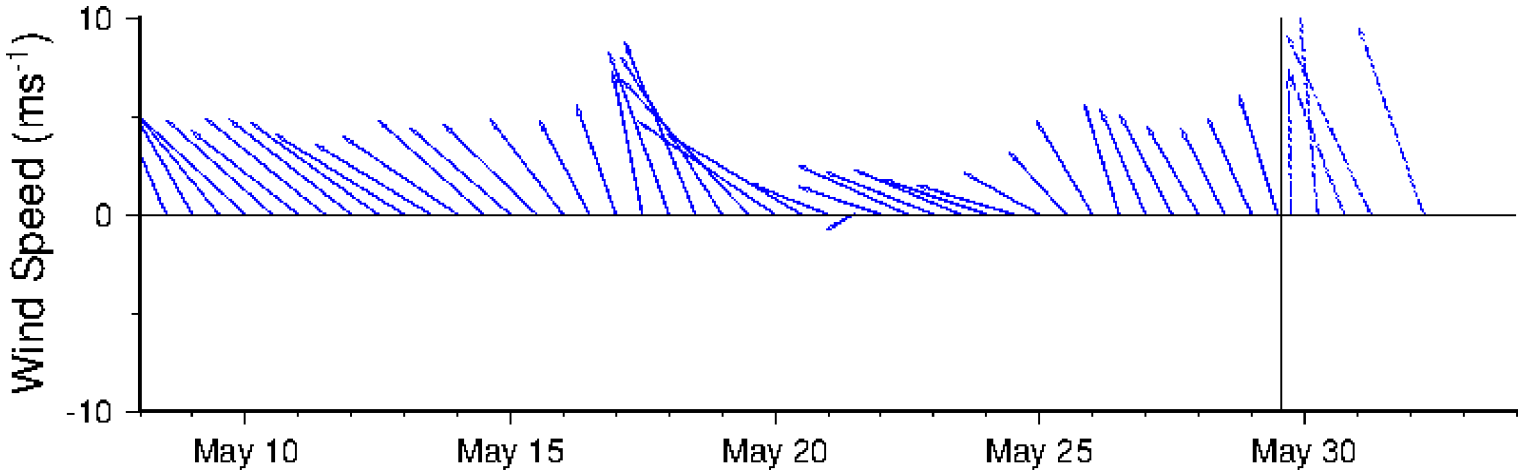
Recent ensemble imagery (MODIS Aqua, 5/26) shows elevated chlorophyll (2-10 µg/L) with some of the optical characteristics of *K. brevis* from the Brazos River to Padre Island National Seashore. However, elevated chlorophyll in this region is most likely due to the resuspension of benthic chlorophyll and sediments along the coast.

Forecasts:

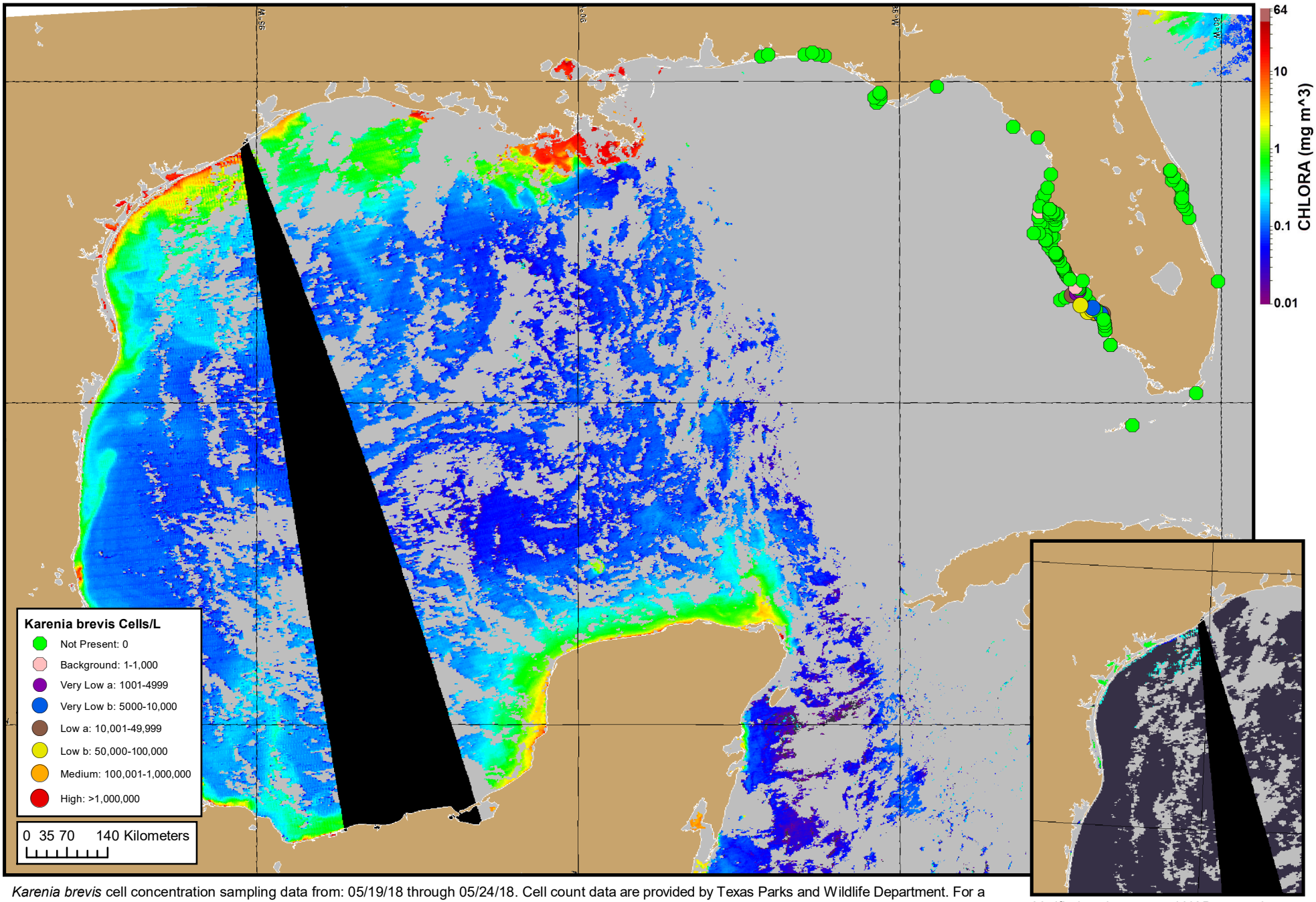
Forecast models based on predicted near-surface currents indicate a potential maximum transport of 60 km north along the coast from Port Aransas from May 26- June 1.

Ludema, Yang

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 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 http://go.usa.gov/xnRax.



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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).

MODIS Aqua satellite chlorophyll image (05/26/18).