



# Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

14 July 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

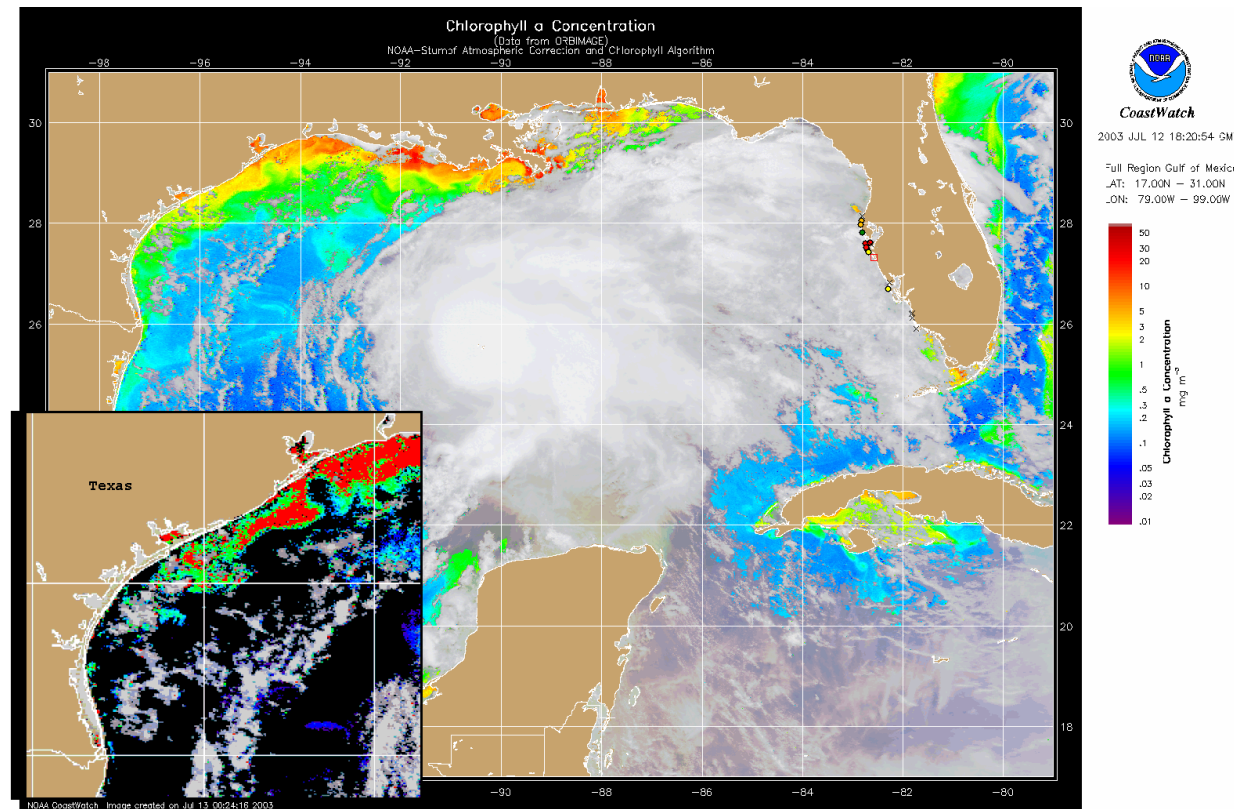
Last bulletin: June 11, 2003

## Analysis

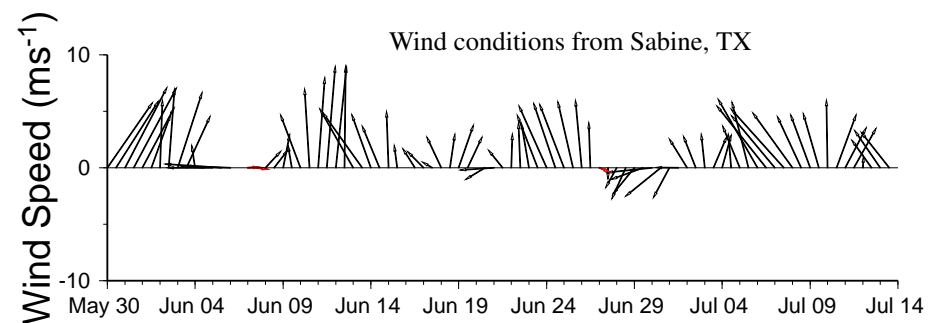
### Texas:

Elevated chlorophyll is observed south of Galveston Bay to Matagorda Bay and extends offshore to 95d53'W 27d56'N. Chlorophyll levels above 9 ug/L have been observed. This most likely represents resuspension of benthic chlorophyll and sediments as a result of Tropical Storm Claudette and the after effects of Tropical Storm Bill.

-Tomlinson and Wynne



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from July 2, 2003 shown as red squares (high), red triangles (medium), red circles (low), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from measurements made on NOAA buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast.

East to southeasterly winds are predicted to continue through Friday.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. These data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted .
2. Distribution for military, international, or commercial purposes is NOT permitted.
3. There are restrictions on Internet/Web/public posting of these data.
4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.