



## Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

22 June 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: May 27, 2004

### Analysis

NW Florida:

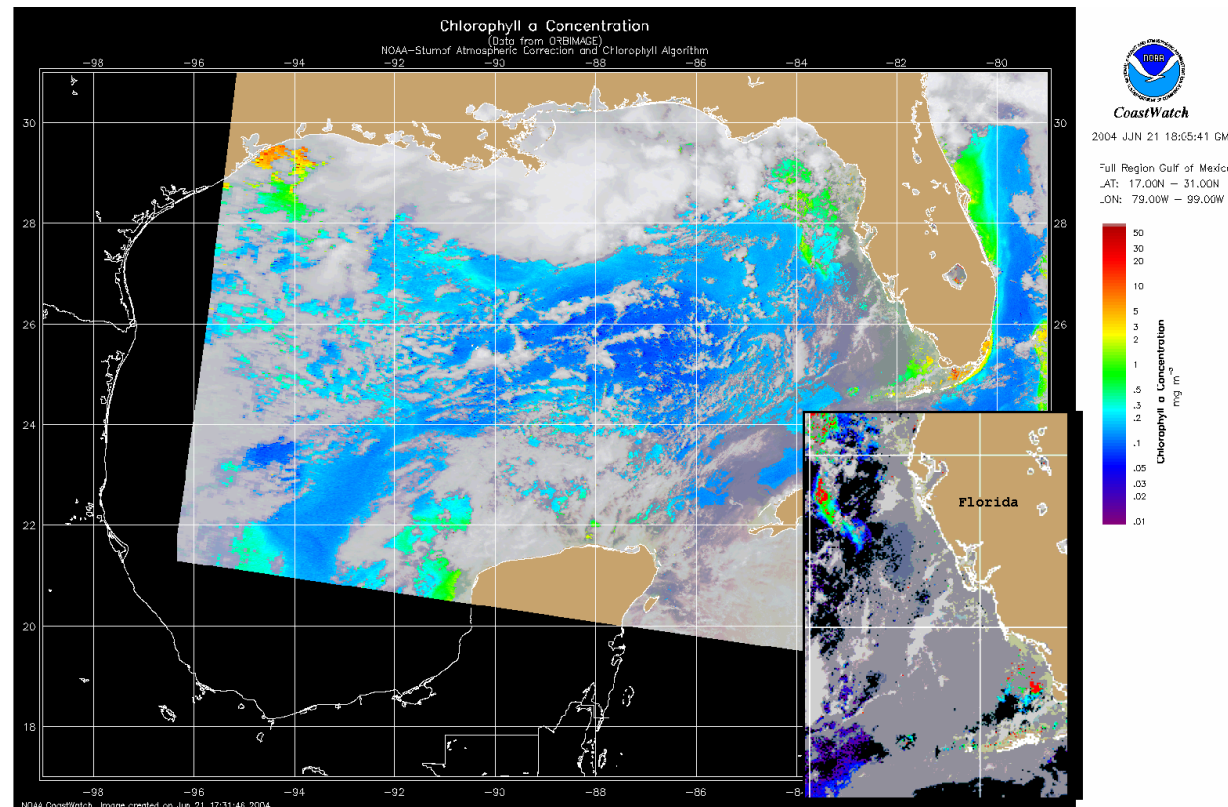
Imagery indicated a large high chlorophyll (above 2 ug/L) feature approximately 40 miles offshore Cedar Key on June 17. Current imagery indicates that the feature has moved southward and now extends from 84d4'W 28d42'N to offshore Tampa Bay (83d21' 26d59'). Although flags in the big bend region are generally not *K. brevis* but the result of river runoff, this patch appeared offshore and extends further south than usual and does not seem to be associated with a coastal feature. Therefore, it is possible that the feature could contain *K. brevis* and should be monitored. Forecasted winds do not indicate onshore transport through Thursday.

Florida Keys: Areas of discolored water have been reported NNW of the Marquesas and 20 nm west of the Dry Tortugas. Although clouds over the Keys yesterday obscure the view in this area, imagery on June 18 indicates high chlorophyll (approximately 2 ug/L) extending west of the Tortugas (83d5'N 24d38'W).

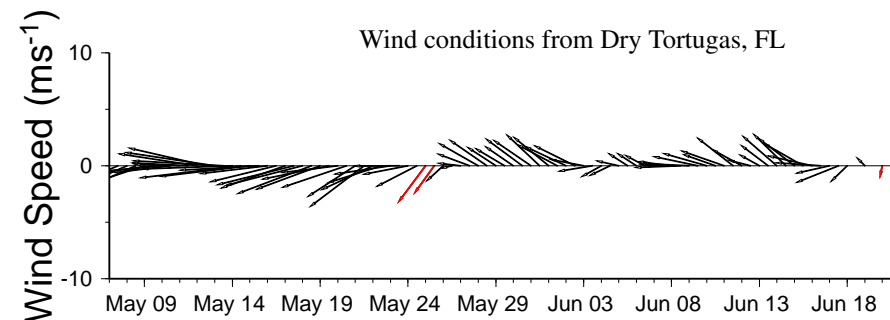
-Tomlinson

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Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from June 16, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), 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.

Southwesterly to westerly winds are expected through Thursday.

