



## Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

16 July 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: July 12, 2004

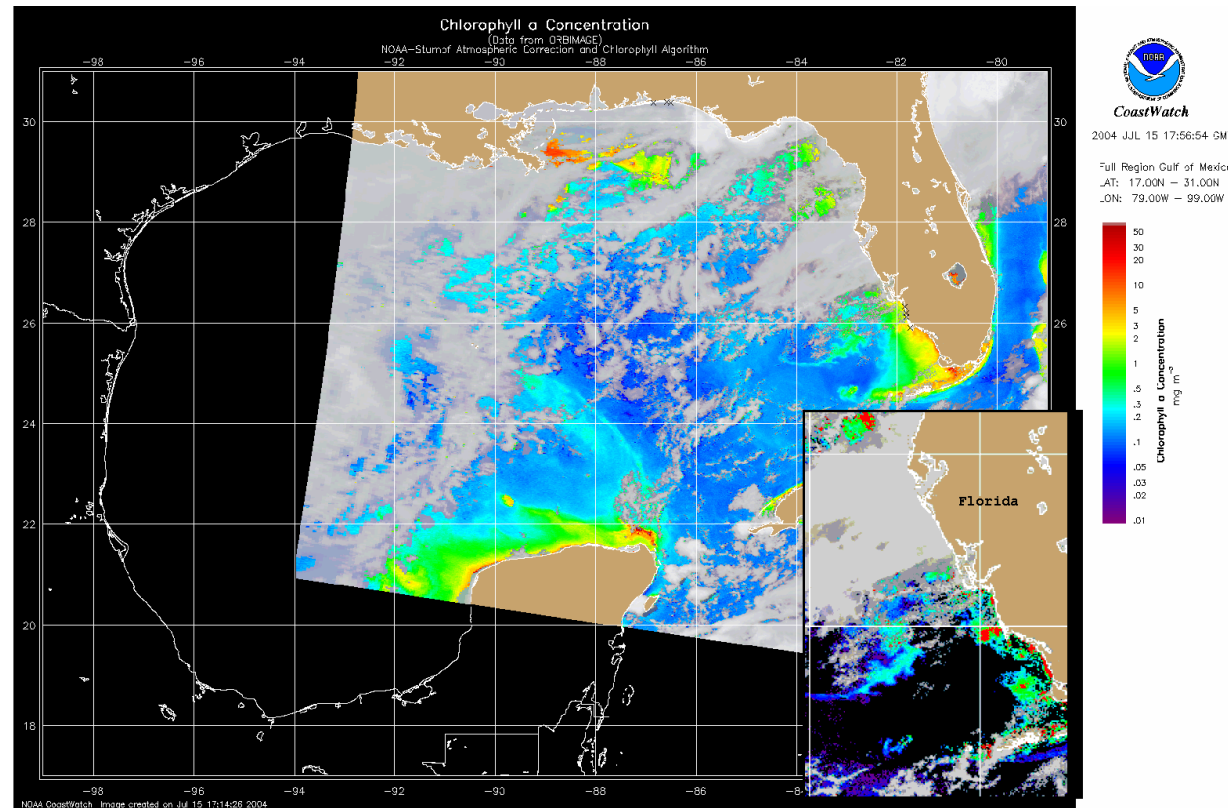
### Analysis

No *Karenia* has been reported in the area. Conditions do not currently favor bloom development in SW. NW has slight potential over next week.

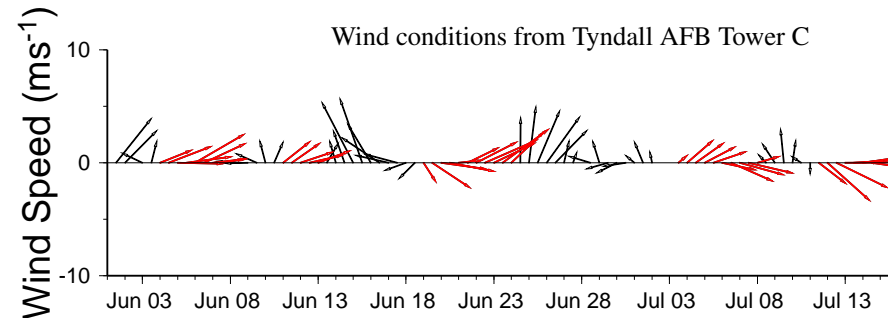
SW florida: Offshore diatom bloom still present. south of 26D, chlorophyll is low ( $< 0.6$  ug/L) but higher than normal for that region. Reports of slightly discolored water possible. No southward transport this week. Some southward movement possible by early next week. No new developments south of Tampa over last few days.

Feature south of Naples at 26dN, between coast and 82W is probably associated with previously identified diatom blooms at Naples pier or Marco Island. Chlorophyll is high enough (about 4 ug/L) at 12 miles offshore of Cape Romano (81.9dW, 25.9dN) that discolored water may be reported.

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from July 8, 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.

marine forecast: SW to W winds at Tortugas through Saturday (July 17), Past winds have been light and variable since July 8. Westerly continuing at Cape San Blas.

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