



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

11 June 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

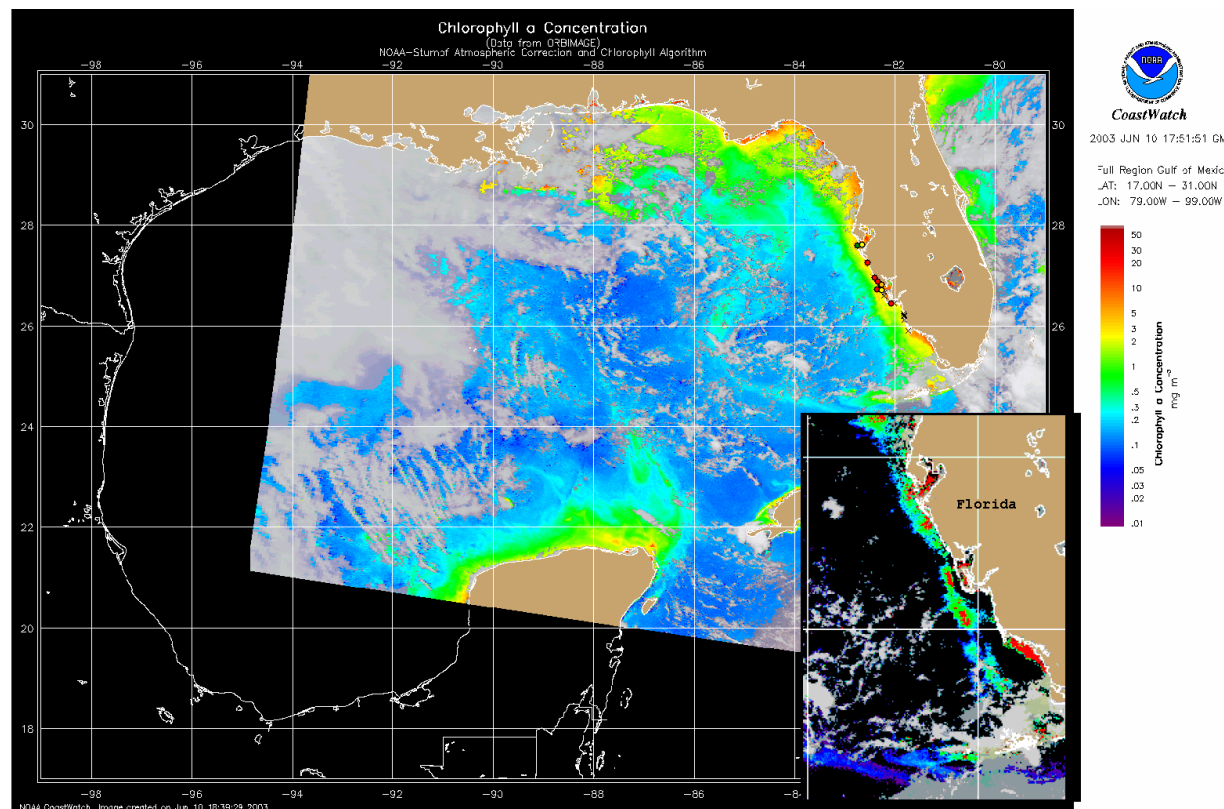
Last bulletin: June 2, 2003

Analysis

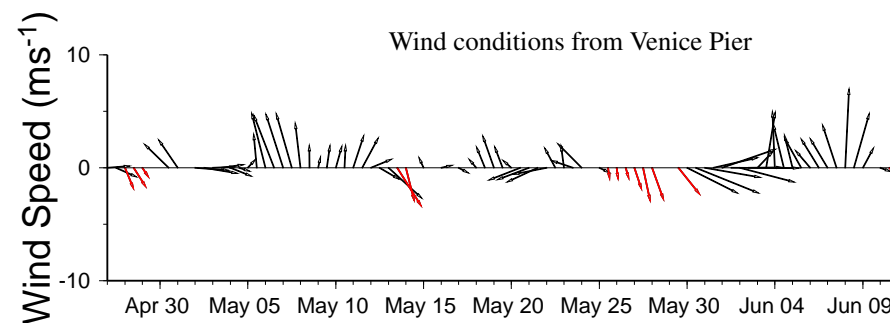
SW Florida: Continued outbreaks of HAB are indicated from the imagery. Winds have favored northward transport, but have not favored additional intensification. Strong features are found off Sarasota. The feature previously noted near Sanibel was identified by FMRI as a red algae *Ceramium fastigiatum*.

Other: A plume of chlorophyll-laden water associated with the Mississippi River plume and the northeast Gulf spring bloom has been carried by the north side of the Loop Current. This water now reaches to the Straits of Florida to a few miles offshore of the Tortugas and Marquesas. Previous imagery indicates that the Florida Current is well offshore of the middle and upper Keys.

--Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from June 3, 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.

South to southeast winds are forecast to continue through the weekend (through June 15).

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