



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

7 May 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: April 18, 2003

Analysis

SW Florida: A *K. brevis* bloom is evident 15-20 km offshore Charlotte Harbor. Green flags represent area of bloom (due to persistent blooms in the area, the flag appears green). The distribution at the coast is not apparent in the imagery, due to persistent elevated chlorophyll. Off-shore chlorophyll values reached 4 ug/L on April 28, but decreased to approximately 2 ug/L on May 3. This coincides with areas of high counts from April 28-May 3. Red-tide induced manatee deaths continue in the area. Possible red-tide induced illness in dogs is also being investigated.

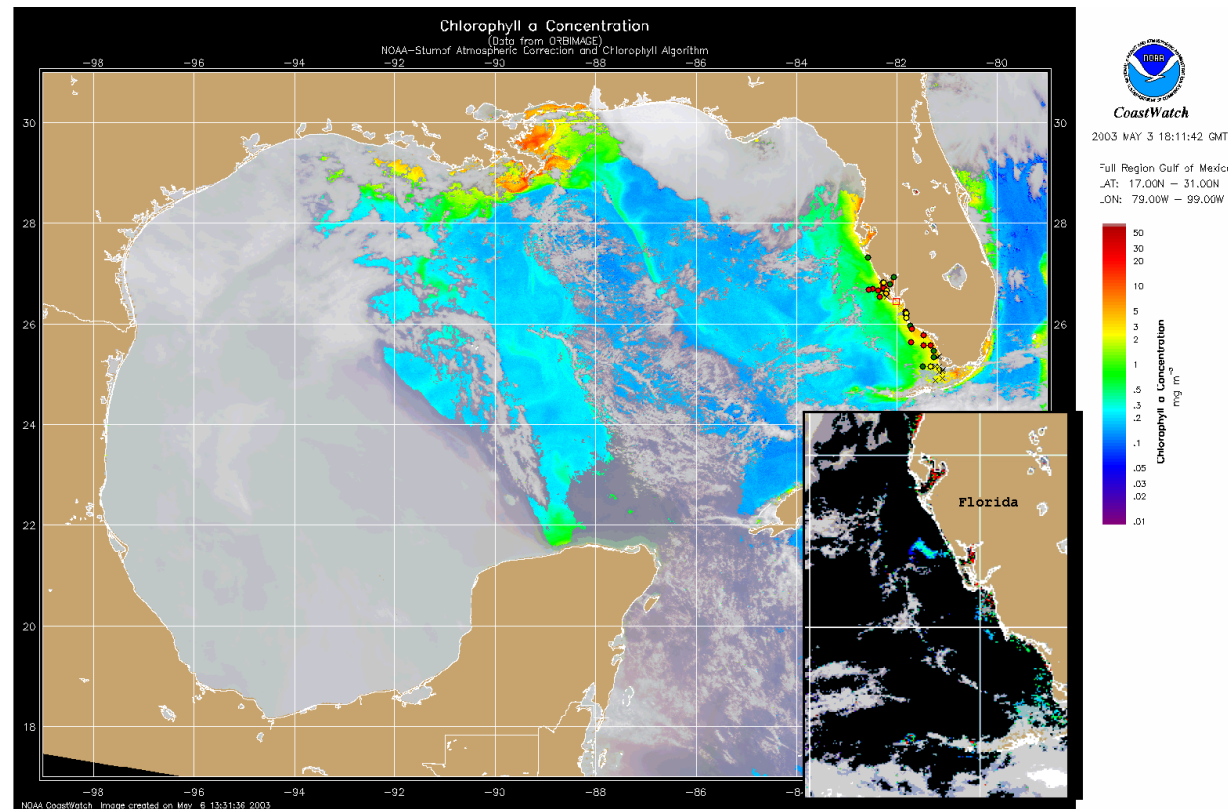
There is also indication of some persistence of *K. brevis* from Ft. Meyer's to Naples.

Panhandle: Imagery on April 26-27 does not indicate the presence of *K. brevis* along the Panhandle. Persistent clouds have prevented any analysis since the end of April.

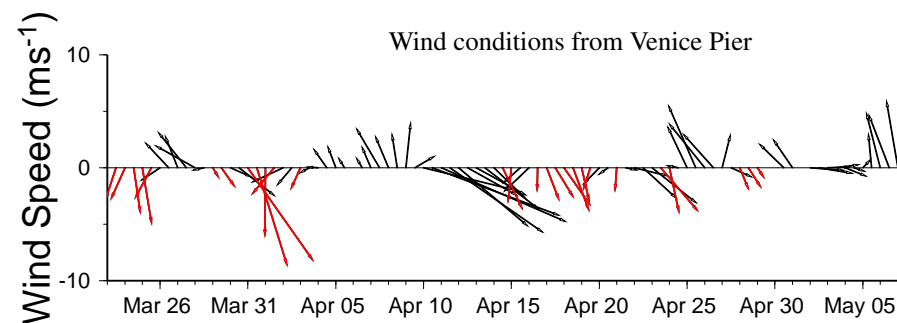
-Tomlinson

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Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from May 1, 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.

Southeasterly winds are expected to continue through Sunday

