

# Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

13 February 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: February 6, 2003

## Analysis

### SW Florida:

Area from Naples to Cape Romano (81d50'W 26d05'N to 81d35'W 25d40'N) is still identified as bloom. The state reported medium levels of a *K. brevis*-like organism at Naples and Marco Island on February 3. In addition, respiratory irritation and 1000s of dead mullet were observed at Naples. The imagery suggests that the bloom had move slightly southward to more around the Cape Romano/Marco Island region.

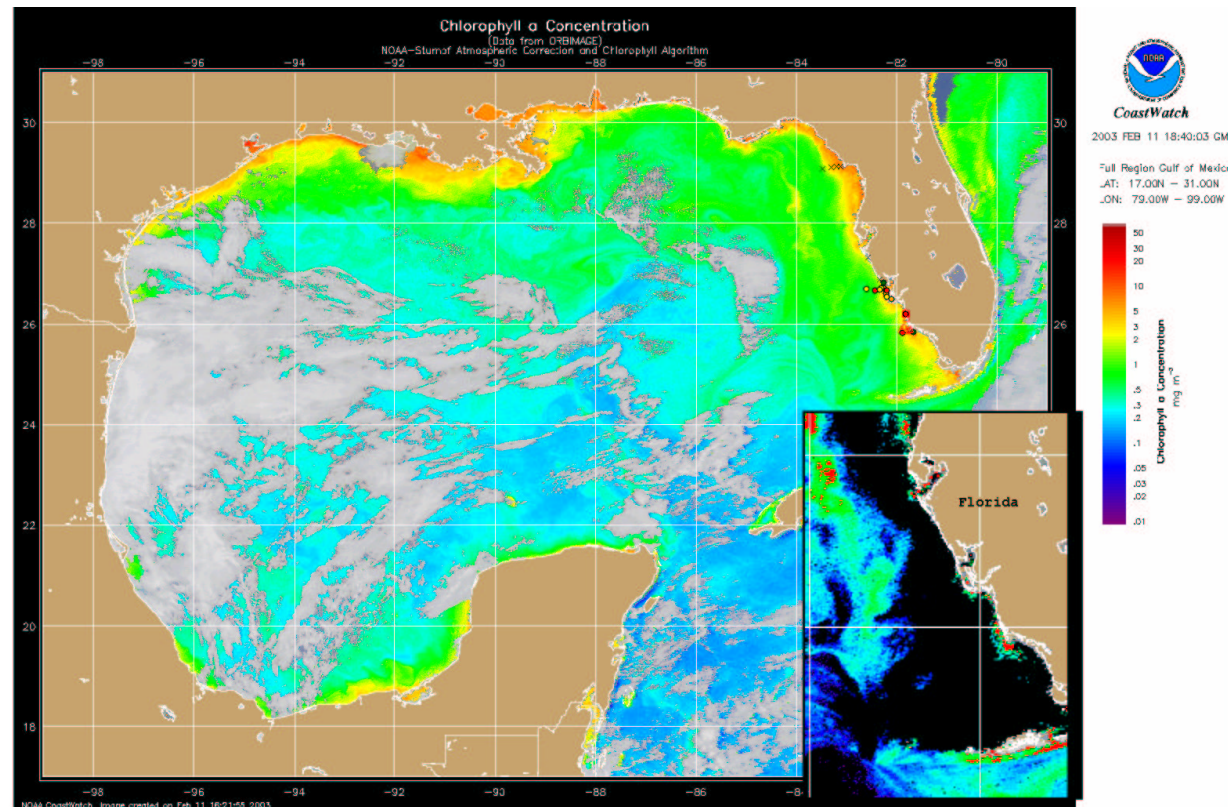
Poorly defined flag is still being observed at Sanibel. Recent reports show concentrations are low.

Florida Keys: Red areas along the south shore of the Florida Keys should be disregarded, they are most likely due to artifacts from resuspension and the shallow water.

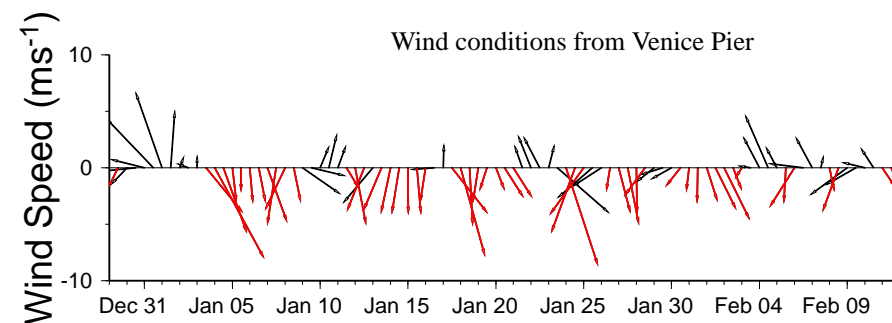
-Tomlinson

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

Northerly to southeasterly winds are forecasted to continue until Sunday. Westerly winds on Sunday could produce onshore movement of aerosols.

