



## Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

1 March 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

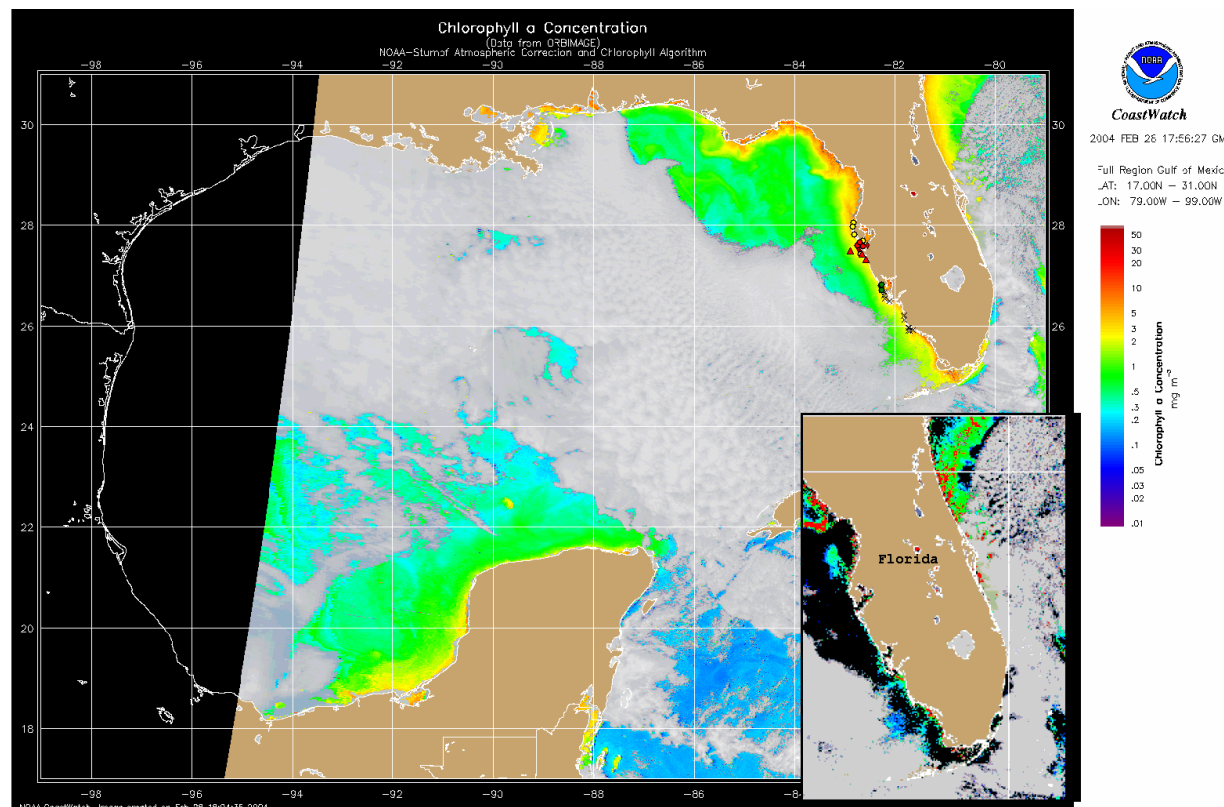
Last bulletin: February 27, 2004

### Analysis

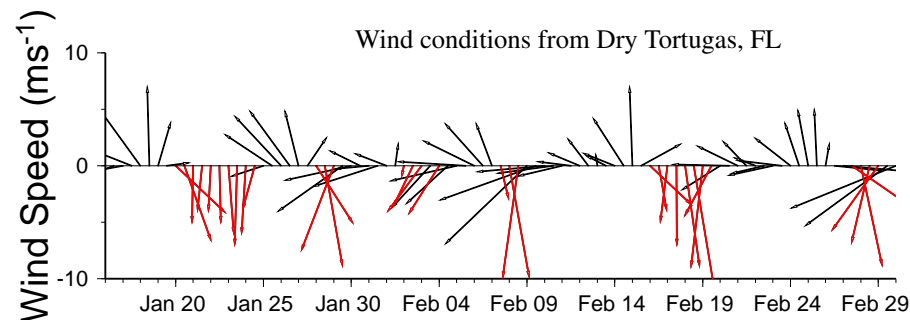
SW Florida. Bloom remains poorly defined between Pinellas and Sarasota. A new feature is apparent off Captiva-Sanibel, just to the south of the last reported bloom location (Gasparilla). With the E and SE winds over the next few days, impacts should be reduced at the coast and no additional southerly transport is expected.

A weak chlorophyll feature (just over 1 ug/L) is found offshore of Pasco and Hernando counties (83W, 28.5N). This was the area where the current bloom appeared to start. A chlorophyll feature (2-4 ug/L) occurs about 12 nmi SSW of Cedar Keys (83.3W, 29N). It is offshore transport of a coastal algal bloom.

Stumpf



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from February 20, 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.

Winds shifted from strong northerly to easterly over the weekend. The shift to SE has occurred, and should continue to southerly winds over the next few days.

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