



# Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

13 January 2004

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

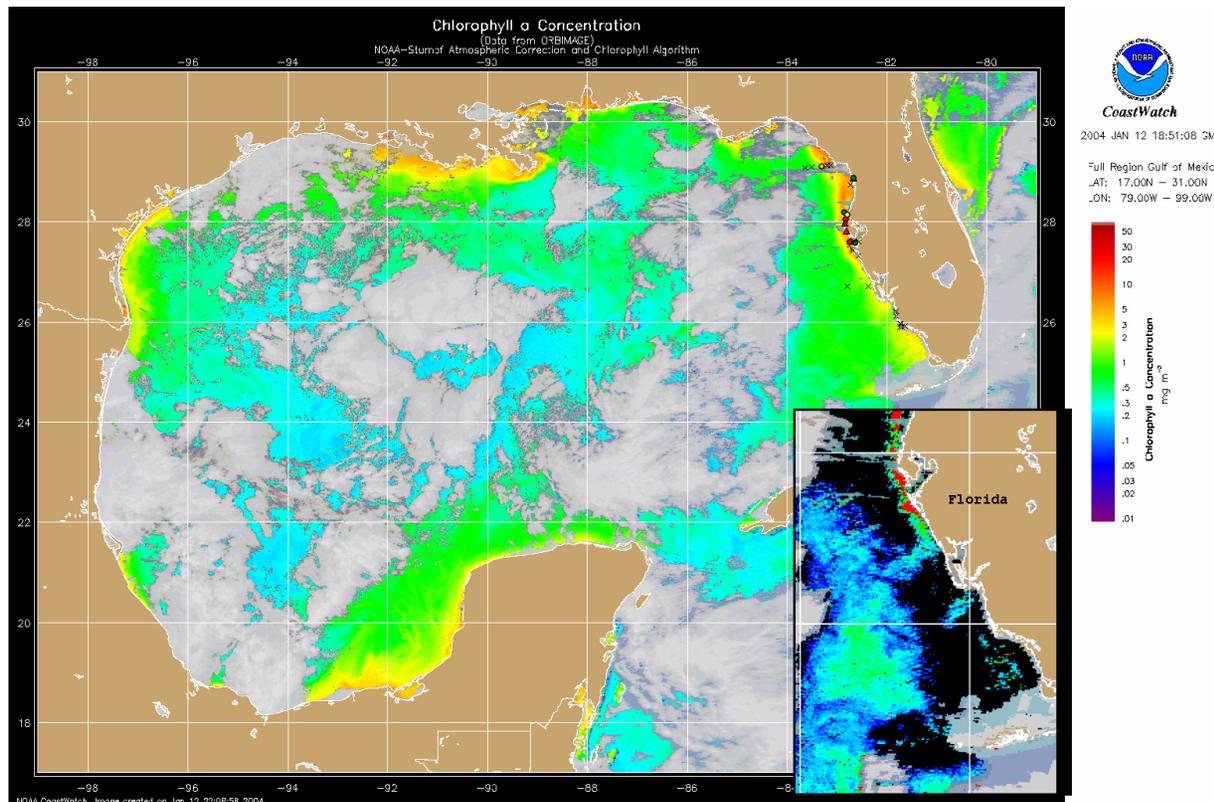
Last bulletin: January 12, 2004

## Analysis

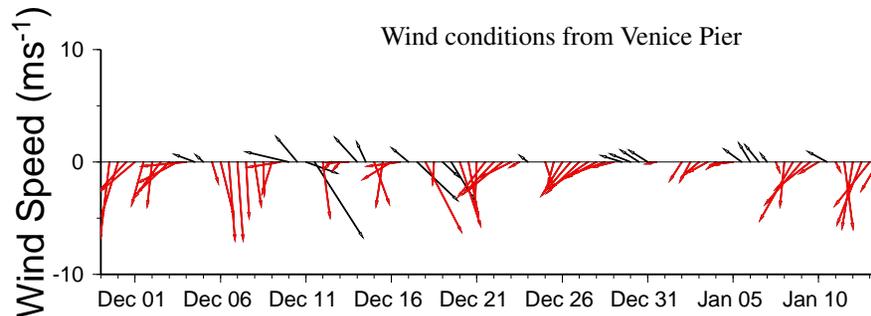
SW Florida:

Imagery indicates that the *K. brevis* bloom may now extend southward to Sarasota (82d40'W, 27d14'N), due to persistent northerly winds. Southward transport and an intensification of the bloom is likely over the next few days, as a result of north to northwesterly winds.

-Tomlinson



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from January 9, 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.

Northerly to northwesterly winds are expected to continue through Thursday.

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