

## Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

26 November 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

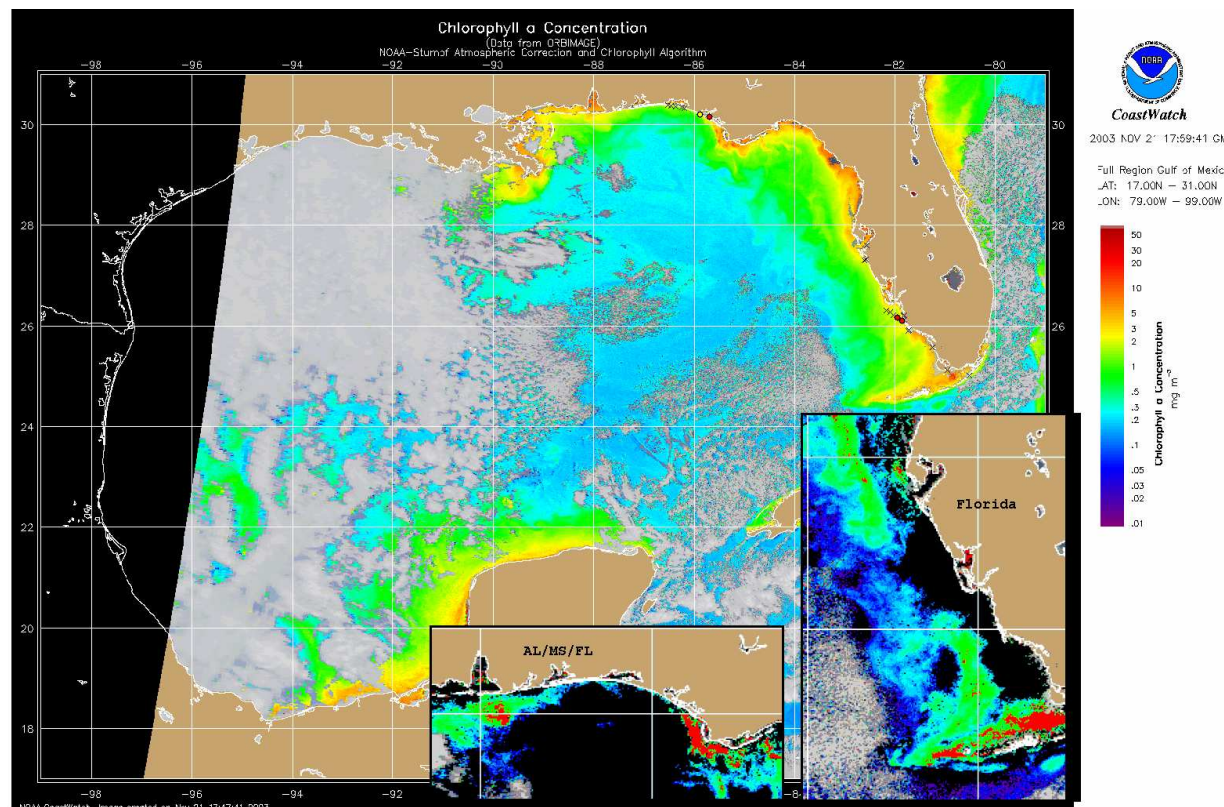
Last bulletin: November 21, 2003

### Analysis

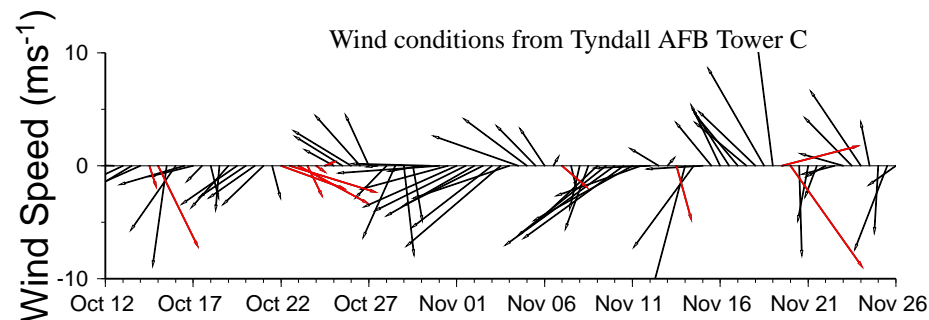
NW Florida: Imagery indicates that the *K. brevis* bloom observed from Panama City to St. Joseph Bay and St. George's Island still persists. Northerly winds on Friday should eliminate impacts along the coast. Due to the variability of the forecasted winds over the weekend, we are unable to predict the transport of the bloom to the west or east.

Keys: Imagery indicates that chlorophyll has increased since November 16 (reaching 4 ug/L on Nov 21) from Marquesas west to 82d35'N, 24d28'N. There is potential for discolored water in this area.

-Tomlinson



Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from November 20, 2003 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.

NW Florida: Southeasterly winds are expected to turn northerly by Friday. Keys: Easterly winds are expected to continue through Thanksgiving and will then become northerly by Friday and persist over the weekend.

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