



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin 10 January 2003

National Ocean Service/NCCOS and CSC
NESDIS/CoastWatch and NDBC
Last bulletin: December 19, 2002

Analysis

East Coast: The east coast bloom has diminished. Slightly higher than normal counts have been observed in isolated patches. Imagery is consistent with no new *K. brevis* flags along the coast.

SW Florida: Sarasota. A large bloom has been detected from Tampa Bay to Sarasota (-83W 27d45'N to -82d40'W 27N), from January 5-6. Medium cell counts confirm the occurrence of a *K. brevis* bloom 10-15 miles off Sarasota. Chlorophyll of 20 ug/l is observed 10 km from the Tampa Bay mouth.

Naples. Note, cell counts off Naples are from December 20, and were consistent with a flagged region for *K. brevis* at that time. Current imagery indicates that this bloom has diminished.

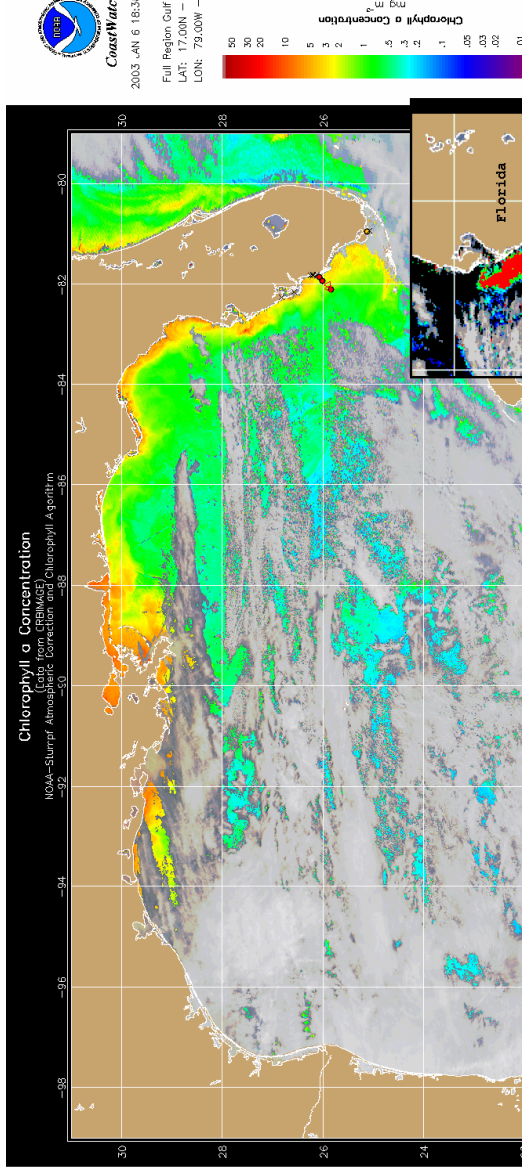
Florida Keys. The filament of high chlorophyll identified on December 18 has moved westward to 82d15'W 24d45'N. Cell counts as of January 2 indicate only very low levels of *K. brevis*. The area should still be watched for other developments.

NW Florida. Nothing to report

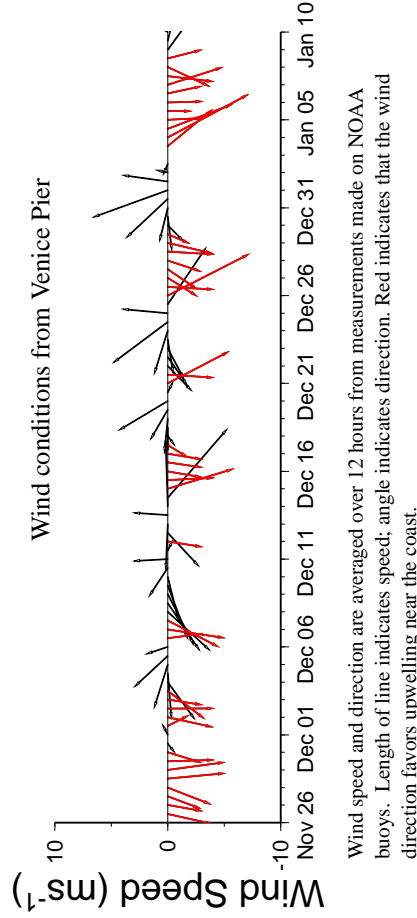
-Tomlinson

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Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from December 20, 2002 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).



Winds becoming southwest to westerly by Friday. Therefore, there is a possibility of some impact at the coast. Winds are expected to return to northerlies by Saturday.

