



Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

7 October 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

Last bulletin: September 25, 2003

Analysis

After a week of clouds, clearing finally came to SW Florida. Conditions unresolved over NW Florida (Cape St George area). However, winds over last week have favored westerly or southerly movement.

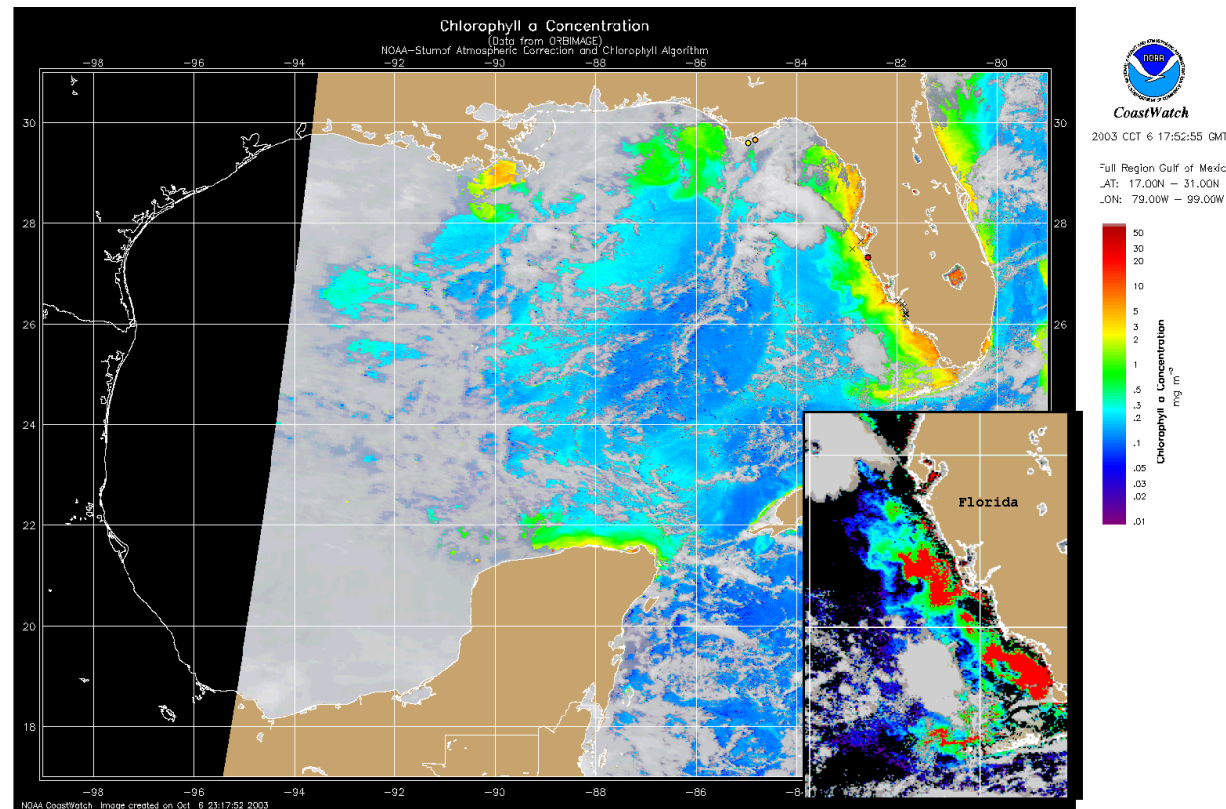
SW Florida. Winds have favored bloom over the last week. However, the NEerly winds should have kept impacts offshore. Area off Captiva to Sarasota has potential for Karenia. Area SW of Cape Romano also (area off 10,000 Islands is likely to be another bloom).

Loop Current is still established in the Piney Point discharge area. Circulation has changed significantly, with northern Gulf water not being carried to Keys.

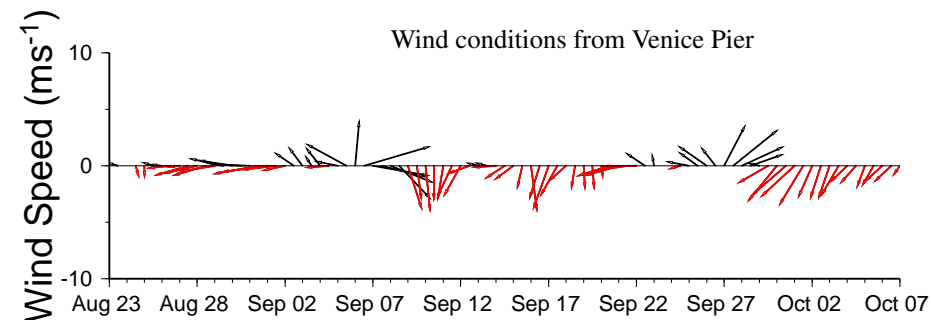
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Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from October 3, 2003 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very 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.

One week of upwelling favorable winds. East to NE winds expected through Saturday, Oct 11.

