Experimental Gulf of Mexico Harmful Algal Bloom Bulletin

9 September 2003

National Ocean Service/NCCOS and CSC

NESDIS/CoastWatch and NDBC

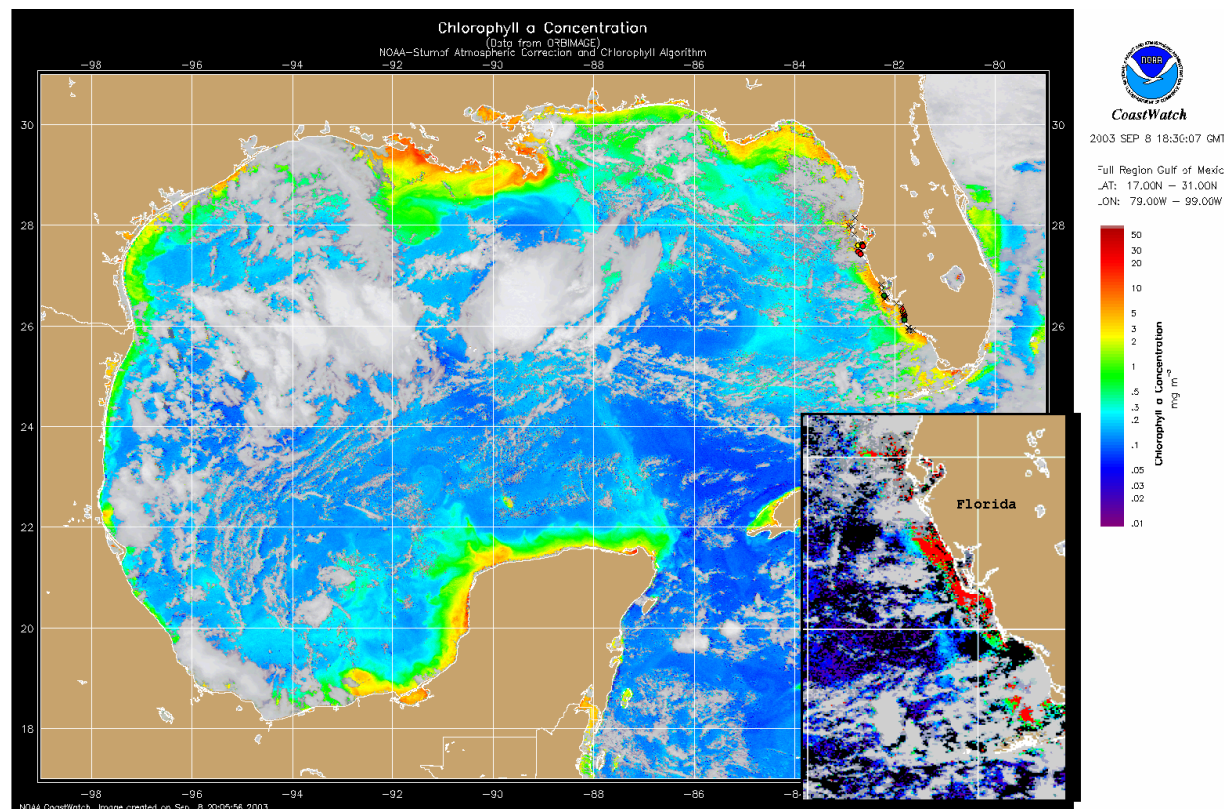Last bulletin: September 2, 2003

Analysis

West Florida. Potential for enhancement of the ongoing bloom along coast from Boca Grande (27N) to Sanibel (26.5N). Slight southward movement of existing blooms is possible.
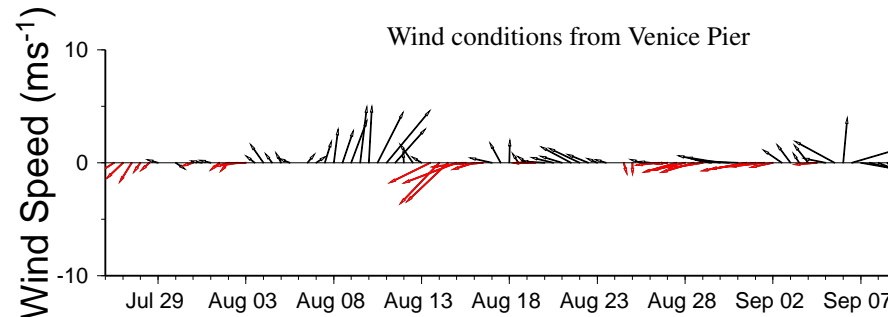
Piney Point. Loop Current is now in the discharge area (nominally 84.5-86W and 27 - 27.7N). Chlorophyll concentrations in this area have decreased, consistent with the lower chlorophyll in the Loop Current. Northern Gulf water is still moving around the Loop Current to the east.

Texas. Elevated chlorophyll blooms along coast from Galveston to Padre Island (29.5 N to 27N) since last week. Highest concentrations (> 5 ug/L) north of Matagorda Bay Winds have favored onshore transport.

--Stumpf

Chlorophyll concentration (above) and possible HAB areas shown in red (inset). Cell concentration sampling data from September 4, 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 conditions from Venice Pier

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.

North to northeasterly winds along Florida west coast through Thursday. Low chance of fish or aerosols at the beach through Saturday.

Wind conditions from Port Aransas, TX