Gulf of Mexico Harmful Algal Bloom Bulletin
18 October 2004
National Ocean Service
National Environmental Satellite, Data, and Information Service
Last bulletin: October 15, 2004

Analysis

Conditions: Patchy areas of very low harmful algae concentrations identified near Sarasota during October 11-14. Some intermittent very low impacts at the beach are possible through Wednesday. Analysis does not indicate harmful algae presence elsewhere in Florida.

Analysis: Sampling done during October 11-14 showed a very low Karenia brevis concentration near Sarasota. Onshore transport is possible through Wednesday. Imagery indicates elevated chlorophyll (>5 mg/m3) near Captiva (82°15W, 26°30N). Samples are not available for this area.

Bronder, Stolz

Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 10, 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 conditions from Egmont Key, FL

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Winds in the Tampa Bay area have been highly variable for the last several days. The forecast calls for southeast winds tonight and tomorrow, and south winds on Wednesday, except for onshore winds near the coast during the afternoon tomorrow and Wednesday. Winds shift to northeast on Thursday.
Chlorophyll concentration from satellite and forecast winds for October 19, 2004 12Z with cell concentration sampling data from October 10, 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).

Blooms shown in red (see p. 1 analysis and image for interpretation)