



Gulf of Mexico Harmful Algal Bloom Bulletin

14 July 2005

National Ocean Service

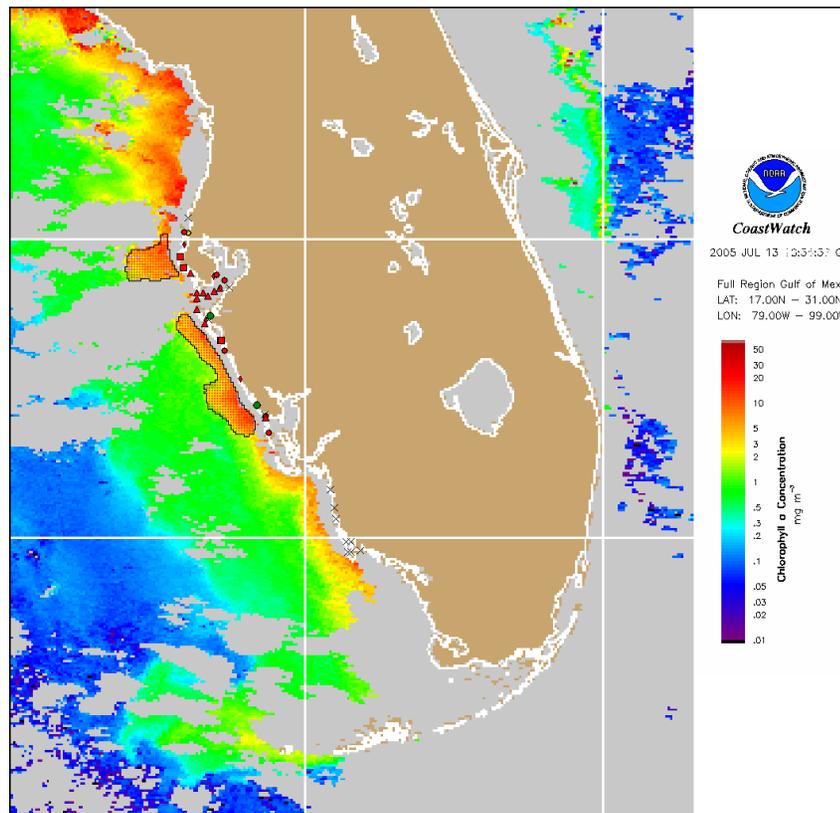
National Environmental Satellite, Data, and Information Service

Last bulletin: July 14, 2005

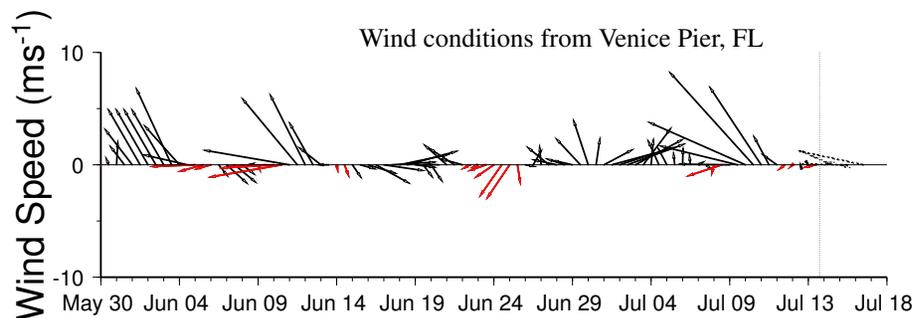
Conditions: A harmful algal bloom has been identified from northern Pinellas to northern Lee County. Patchy very low to high impacts possible in Pinellas and northern Sarasota Counties every afternoon through Sunday. Patchy very low to moderate impacts are possible in lower Tampa Bay, Hillsborough County and Manatee County every afternoon through Sunday.

Analysis: Resuspension event limits analysis of bloom located from northern Pinellas to northern Lee Counties. Northern extent has merged with Panhandle high chlorophyll band (4-25 μg). Northern extent may be at 28°03'N and up to 19 miles offshore of Clearwater. Recommend further sampling offshore and in Pasco County. Elevated chlorophyll patches are located offshore of; Clearwater beach (up to 22 μg ; 27°56'N, 83°0'W), Tampa Bay (up to 14 μg ; 27°19'N, 82°42'W) and Englewood (up to 13 μg ; 26°46'N, 82°23'W). Southeasterlies followed by onshore winds every afternoon will continue to maintain bloom's location onshore through Saturday. Reports of respiratory distress and discolored water are likely. Sampling from July 13 indicates no *K. brevis* counts in Collier County (CCPCD).

~Fenstermacher & Fisher



Chlorophyll concentration from satellite with HAB areas shown by red polygon(s). Cell concentration sampling data from June 30, 2005 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).

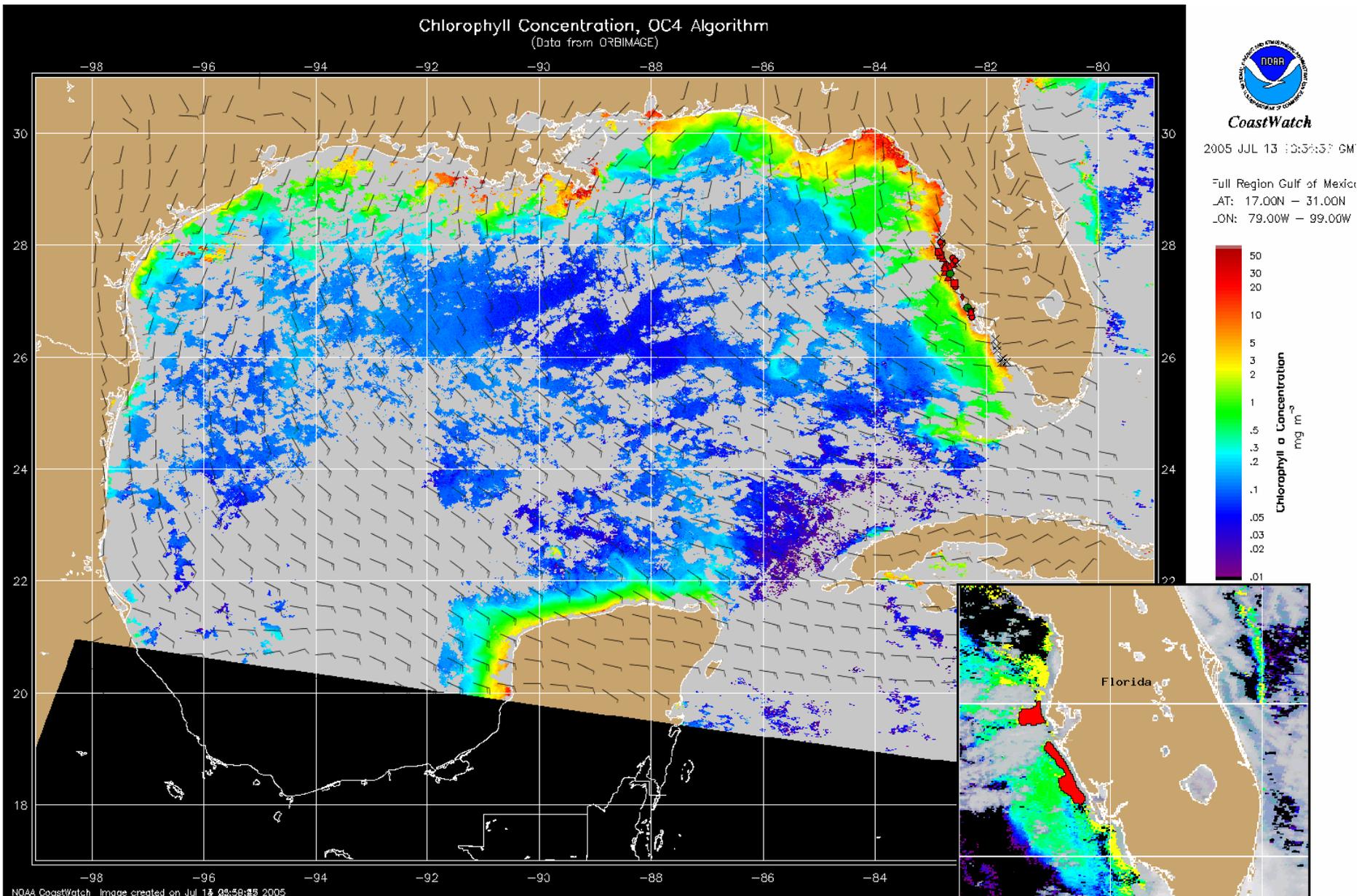


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

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SW Florida: Southeast winds becoming onshore every afternoon today through Saturday (5-10 knots; 3-5 m/s). On Sunday, moderate easterlies becoming onshore in the afternoon (10-15 knots; 5-8 m/s).



Chlorophyll concentration from satellite and forecast winds for July 15, 2005 12Z with cell concentration sampling data from June 30, 2005 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)

Wind conditions from Egmont Key, FL

