



Gulf of Mexico Harmful Algal Bloom Bulletin

27 June 2005

National Ocean Service

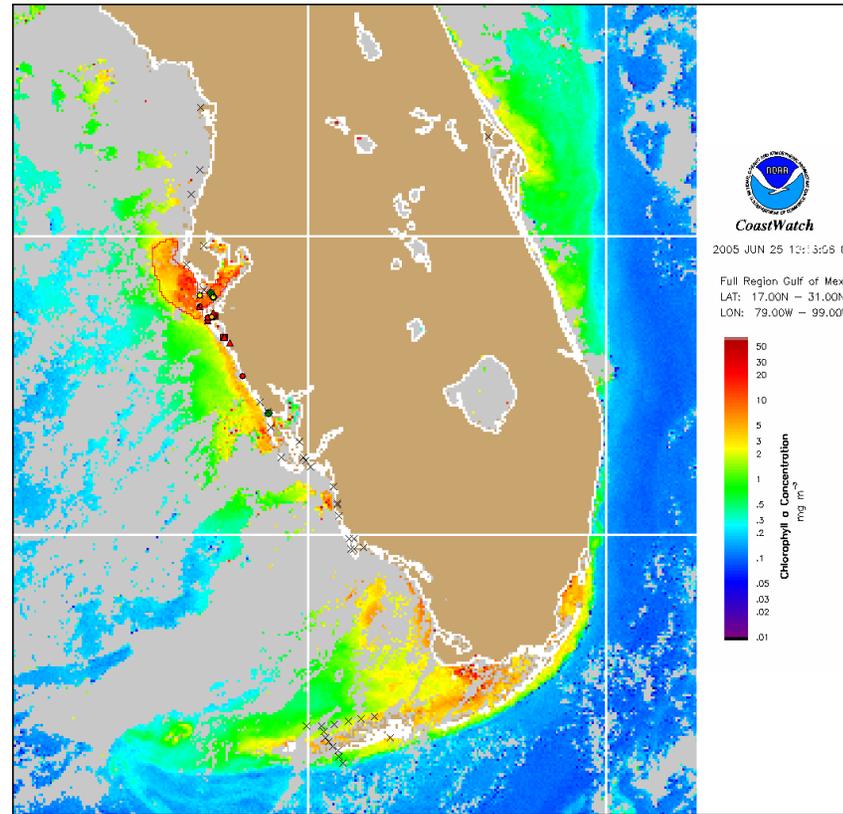
National Environmental Satellite, Data, and Information Service

Last bulletin: June 23, 2005

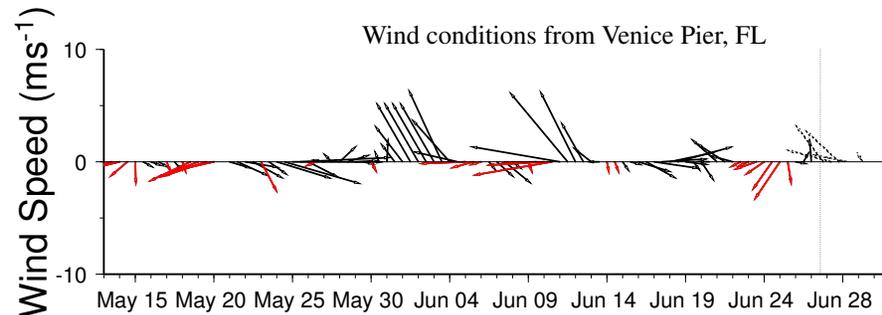
Conditions: A harmful algal bloom has been identified in Pinellas, Manatee, and Sarasota Counties. Patchy moderate impacts are possible for Sarasota and Manatee Counties today through Thursday. Patchy moderate impacts are possible for Pinellas County today and Tuesday with patchy moderate to high impacts on Wednesday and Thursday.

Analysis: The bloom has increased in concentration along the coast and in the bays. Samples from June 24 identified high concentrations of *K. Brevis* at Redington Pier, St. Petersburg Beach, and Mullet Key. Low to medium concentrations were found in Manatee and Sarasota Counties last week. Respiratory irritation was reported at Longboat Key in addition to reports of fish kills along the coast from Venice to Redington Pier. Imagery on June 25 indicates that the bloom extends from 82° 25' W 26° 55' N around Venice to 82° 52' W 27° 46' N near Clearwater Pier. Chlorophyll concentrations from imagery on June 25 were greater than 20 µg/L at 82° 48' W 27° 40' N along the coast. No movement is expected through Thursday.

-Keller, Bronder



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from June 3, 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).

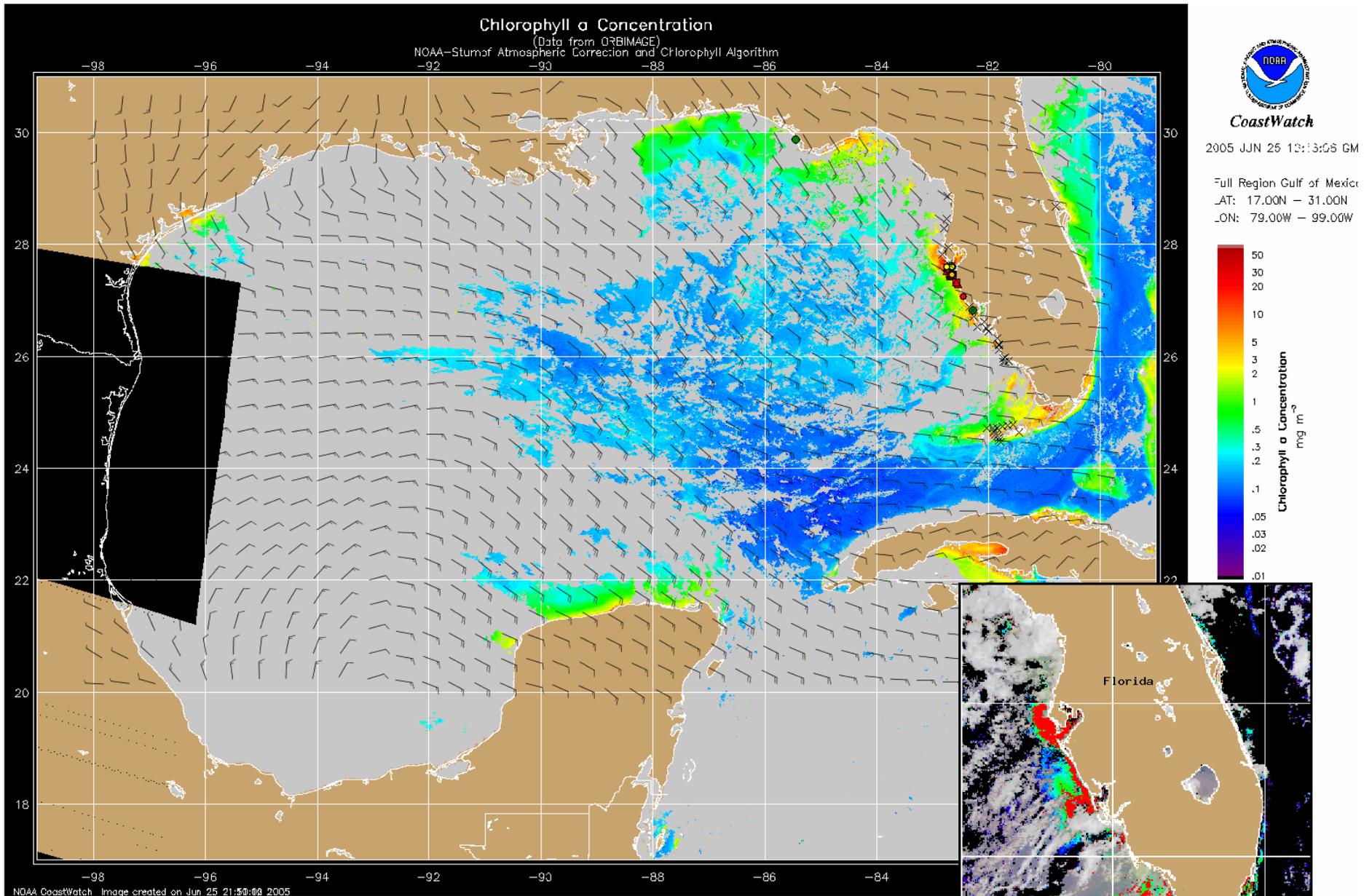


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right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

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

1. These data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted .
2. Distribution for military, or commercial purposes is NOT permitted.
3. There are restrictions on Internet/Web/public posting of these data.
4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.

Southeast winds today through Tuesday night at 5-10 knots (3-5 m/s). South winds at 10 knots (5 m/s) on Wednesday. Southeast winds on Thursday at 5-10 knots (3-5m/s), becoming onshore in the afternoon.



Chlorophyll concentration from satellite and forecast winds for June 28, 2005 06Z with cell concentration sampling data from June 3, 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 and image for interpretation)