



Gulf of Mexico Harmful Algal Bloom Bulletin

25 June 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: June 18, 2007

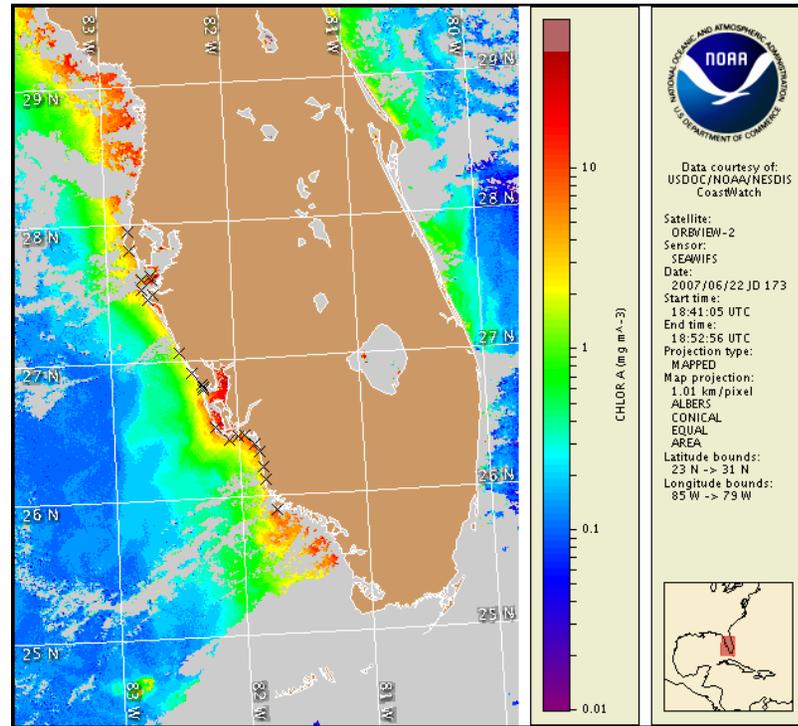
Conditions Report

There is currently no indication of harmful algal bloom presence alongshore southwest Florida, including the Keys region. No impacts are expected in any Florida county today through Thursday.

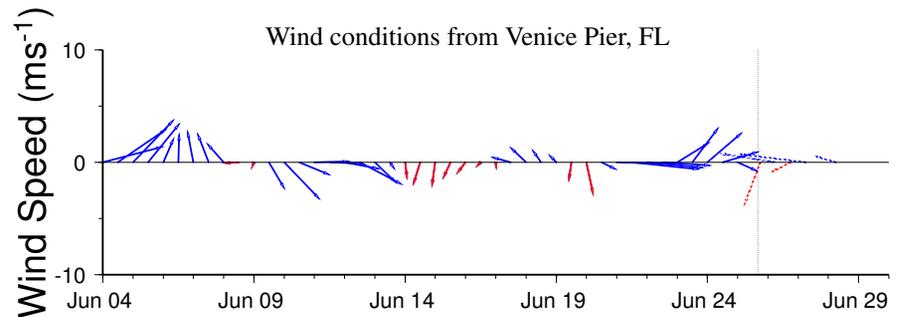
Analysis

Recent sampling results (6/19-6/22; FWRI) contained no *K.brevis* from Pinellas to Collier County; however, background concentrations were detected alongshore Sarasota County near New Pass (6/18; SCHD). Satellite imagery from 6/22 continues to show an elevated chlorophyll feature ($>10\mu\text{g/L}$) offshore of Monroe County, from $25^{\circ}41'33''\text{N}$, $81^{\circ}24'10''\text{W}$ to $25^{\circ}28'44''\text{N}$, $81^{\circ}18'54''\text{W}$ along its north-south axis. Reports of discolored water are possible in portions of southern Lee and Collier County due to non-harmful algae. Easterly winds are expected throughout most of the week, increasing the potential for coastal upwelling and possible bloom formation.

Keller, Fisher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from June 15-20 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). For a list of cell count data providers and a key to the cell concentration categories, please see the the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

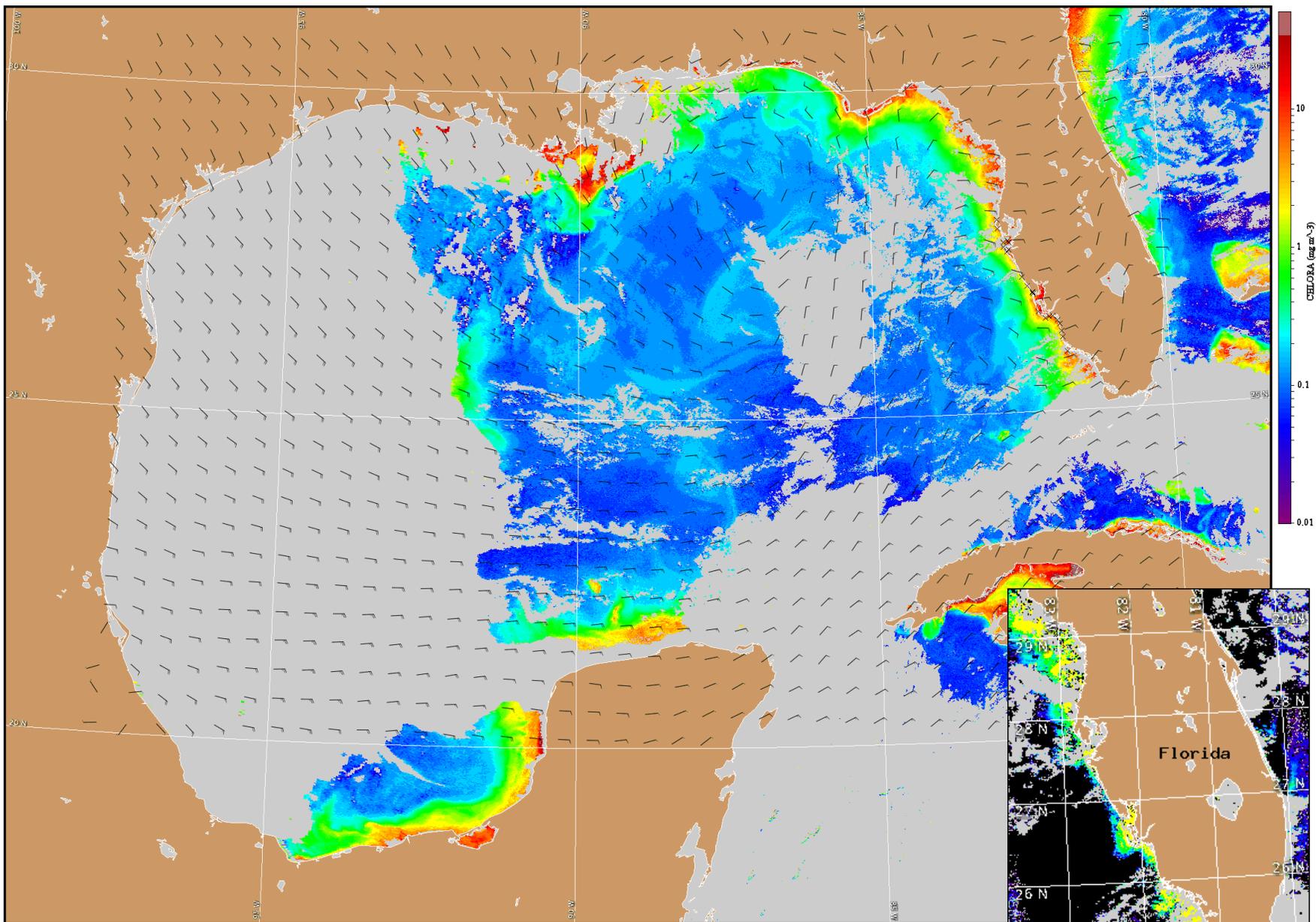


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Northeasterly winds today, becoming onshore in the afternoon (5 knots; 3 m/s). Easterly winds Tuesday through Wednesday (10-15 knots; 5-8 m/s). Southeasterly winds Wednesday night, with southerly winds Thursday night (10 knots; 5 m/s). Southwesterly winds on Friday (10 knots; 5 m/s).

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

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for June 26, 2007 06Z with cell concentration sampling data from June 15-20 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). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).