



# Gulf of Mexico Harmful Algal Bloom Bulletin

28 September 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: September 25, 2006

## Conditions Report

A harmful algal bloom has been identified from Pinellas to Collier County. Patchy high impacts are possible for Pinellas, Sarasota, Charlotte, and Lee Counties today and Friday, with patchy low impacts possible in the evenings and Saturday through Sunday. Patchy moderate impacts are possible for Manatee County today and Friday, with patchy very low impacts possible in the evenings and Saturday through Sunday. Patchy low impacts are possible from northern to central Collier County today and Friday, with patchy very low impacts possible in the evenings and Saturday through Sunday.

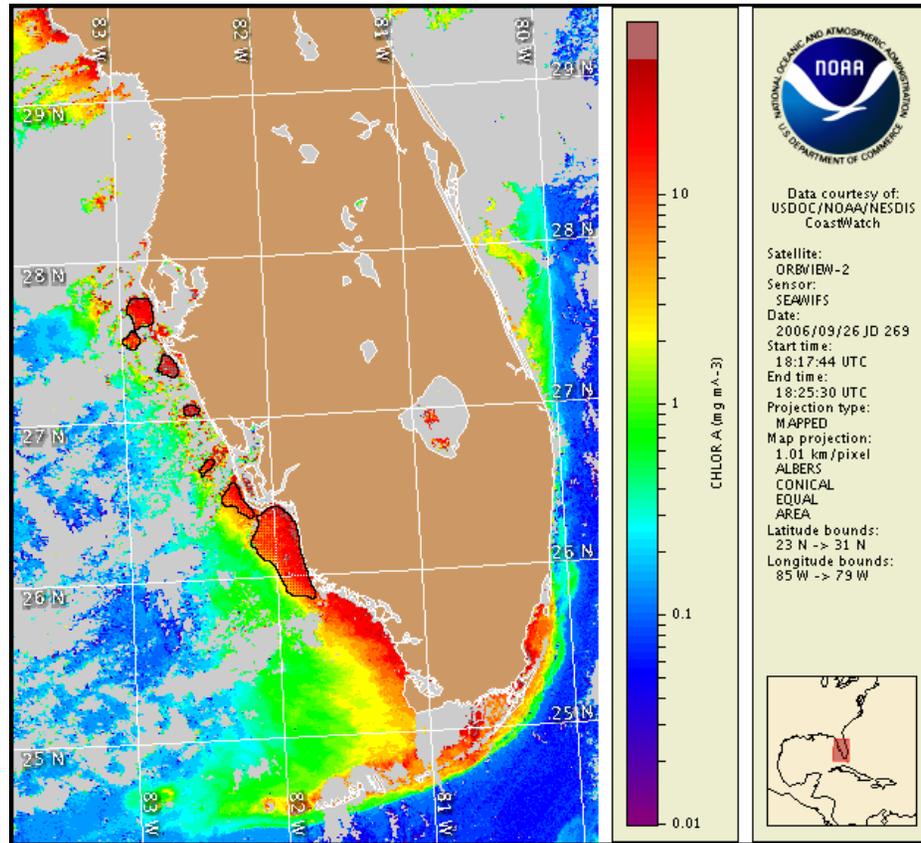
## Analysis

The harmful algal bloom continues to extend from northern Pinellas to central Collier County. Recent imagery still indicates high chlorophyll concentrations along the majority of southwest Florida. High concentrations of *K.brevvis* have been identified at Redington Pier in Pinellas County and at New Pass in Sarasota County, with medium concentrations at Englewood Beach in Charlotte County (FWRI; 9/25). Low concentrations were identified at Gasparilla Pass and within Pine Island Sound in Charlotte and Lee County (FWRI; 9/25). Although chlorophyll concentrations remain high along Collier County, recent sampling indicates that levels alongshore range from background concentrations at Big Marco Pass, Caxambas Pass, and Barefoot Beach to very low and low concentrations at Naples Pier and Clam Pass (FWRI; 9/26). Fish kills and respiratory irritation have been reported over the past few days in Pinellas, Sarasota, and Lee County (FWRI 9/25-27). Northwesterly winds today and Friday will increase coastal impacts. Continued northerly winds throughout the weekend may cause slight southerly transport.

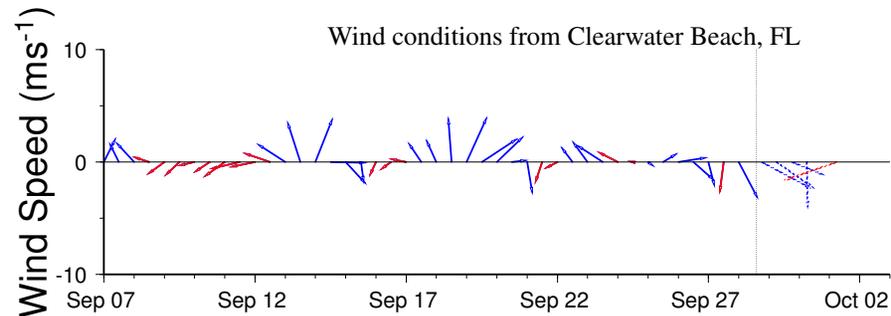
~Keller, Allen

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.

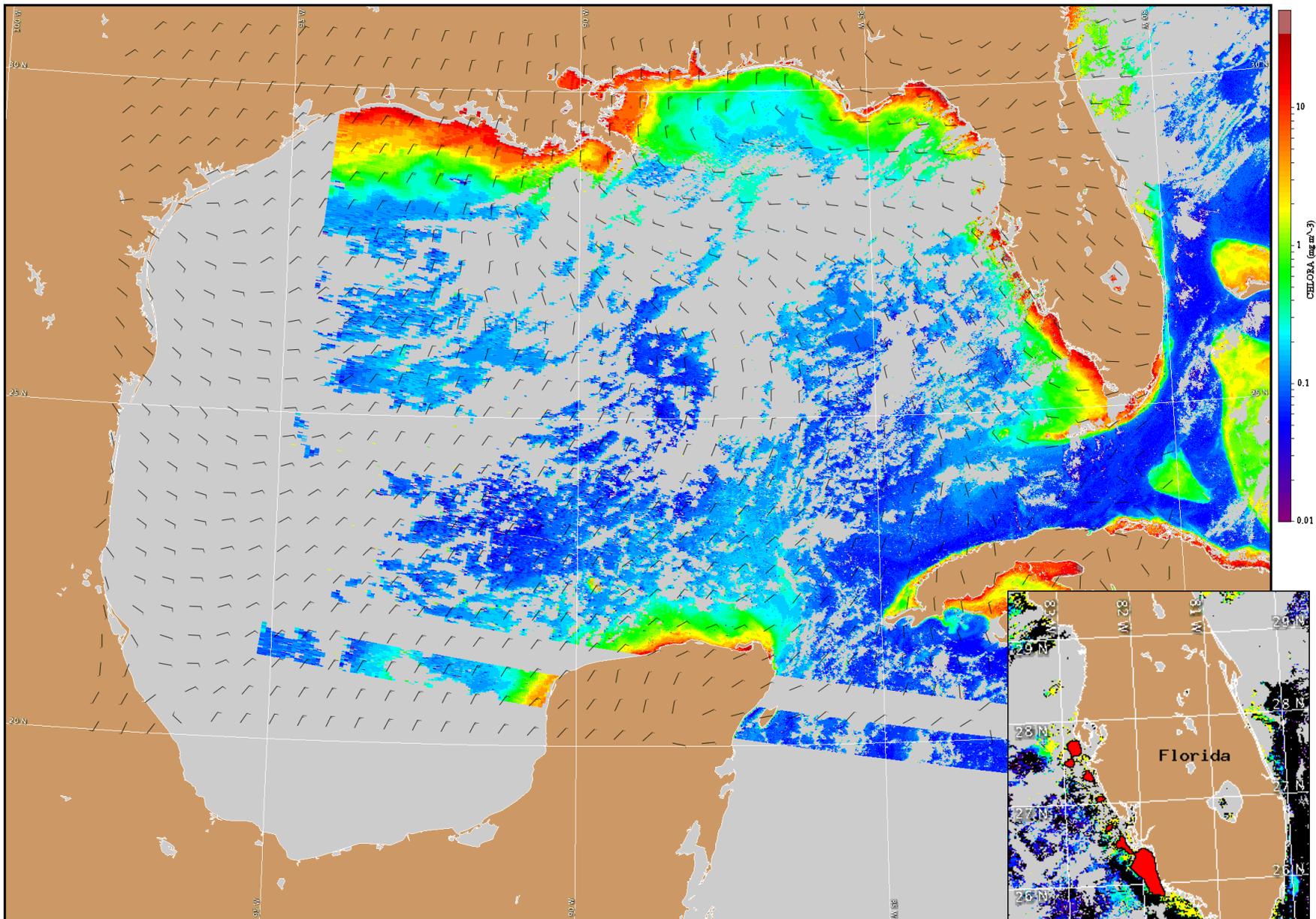


Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration categories and corresponding cell count values from Florida Fish and Wildlife Research Institute. For a key to the cell concentration descriptions, visit <http://research.myfwc.com>.



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: Northwesterly winds today and Friday with northerly winds in the evening (5-10 knots; 3-5 m/s). Northeasterly winds Saturday through Sunday (10-15 knots; 5-8 m/s).



Satellite chlorophyll image and forecast winds for September 29, 2006 06Z.

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

