



# Gulf of Mexico Harmful Algal Bloom Bulletin

2 February 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: January 30, 2006

## Conditions Report

No impacts are expected in any southern Florida counties through Sunday.

## Analysis

Keys: A patch of elevated chlorophyll remains detectable in satellite imagery just north of the Lower Keys. The feature has intensified and transported slightly southwest over the last few days with a current central location at approximately 24°55'N, 81°33'W according to satellite imagery on 2/1. (Note: Imagery shown in bulletin was taken on 1/30.)

A lingering patch of elevated chlorophyll northwest of the Keys continues to dissipate and migrate slowly to the southwest. The central location is presently located at approximately 25°2'N, 82°20'W (2/1 satellite imagery). This feature has been tracked for several weeks now from a region previously containing *K. brevis* and is expected to continue dissipating.

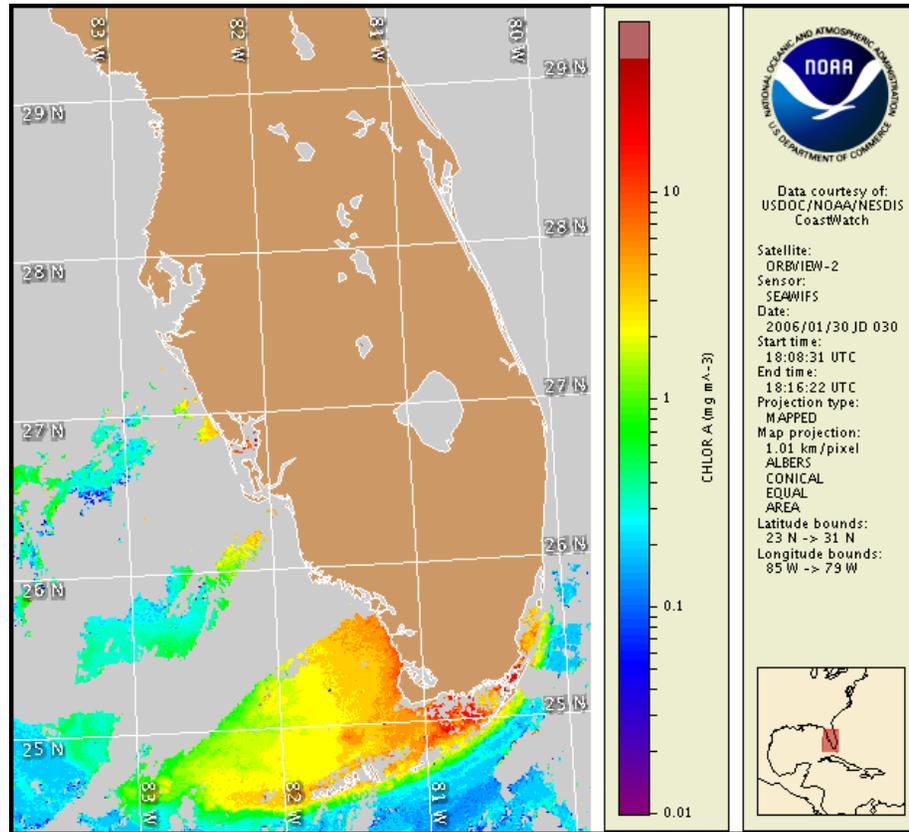
Strong northerly and northwesterly winds on Saturday and Sunday will likely transport these two features further south and possibly westward by early next week.

SW Florida: FWRI continues to report the absence of *K. brevis* along the SW Florida coast. Varying concentrations of non harmful algal species continue to be found, accounting for elevated chlorophyll levels remaining along much of the shoreline from Pinellas to Collier County. Reports of discolored water are possible.

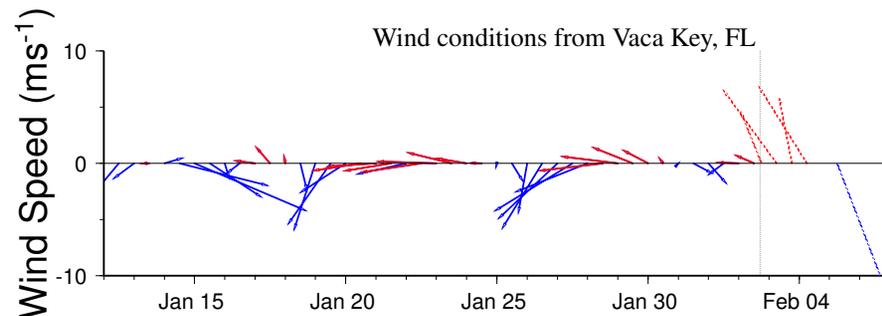
~Fisher, Keller

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 OrbImage approval via the CoastWatch Program.

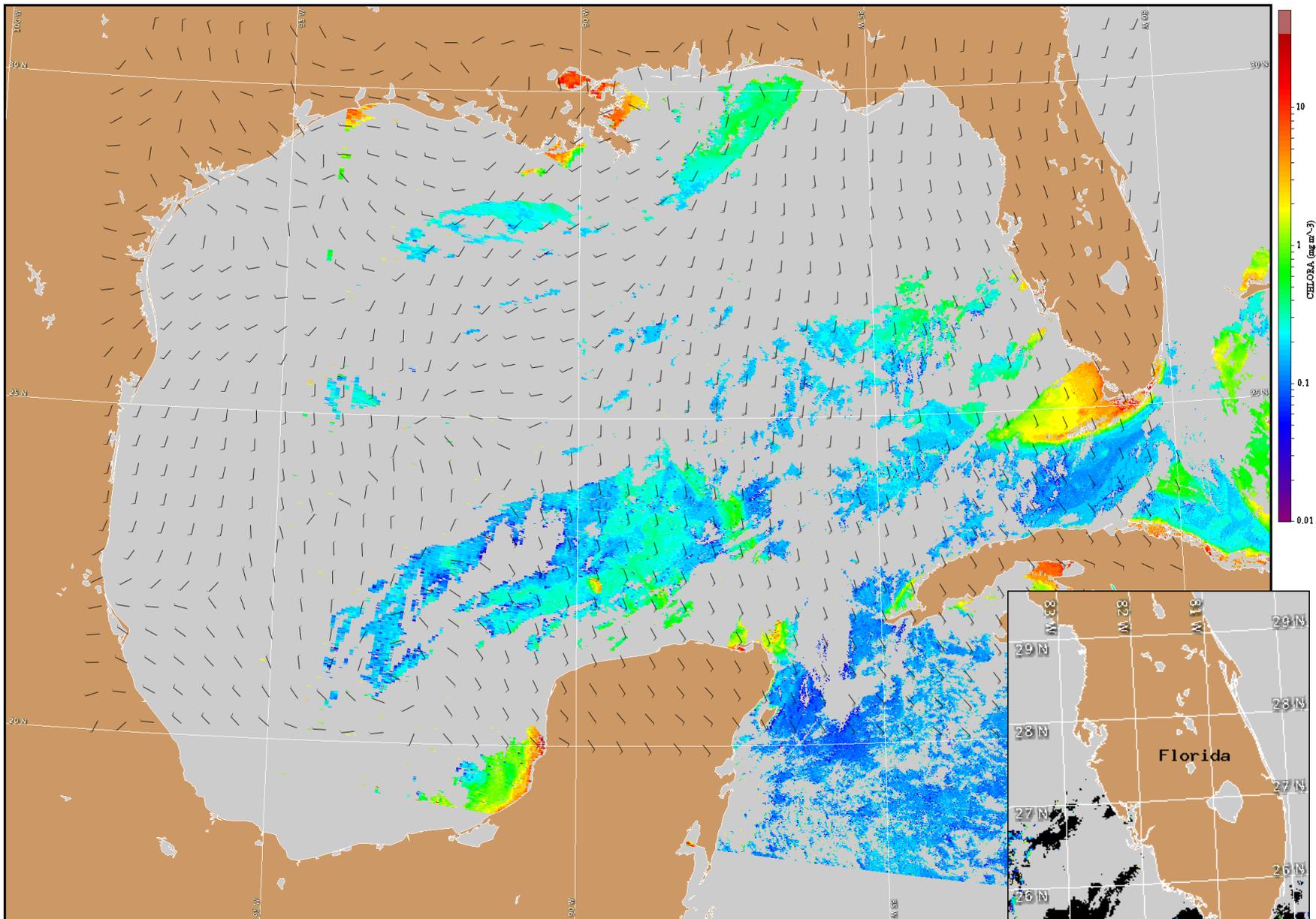


Satellite chlorophyll image with possible HAB areas shown by red polygon(s).



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.

Keys: Southeast winds today will shift southerly by Friday night (10-15kts; 5-8m/s). Stronger (15-20kts; 8-10m/s) southwesterlies on Saturday will strengthen to 20kts (10m/s) and shift northwesterly to northerly by nightfall, continuing through Sunday (15-20kts; 8-10m/s). Winds expected to continue to weaken and become northeasterly Monday.



Satellite chlorophyll image and forecast winds for February 3, 2006 12Z.

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