



Gulf of Mexico Harmful Algal Bloom Bulletin

5 May 2005

National Ocean Service

National Environmental Satellite, Data, and Information Service

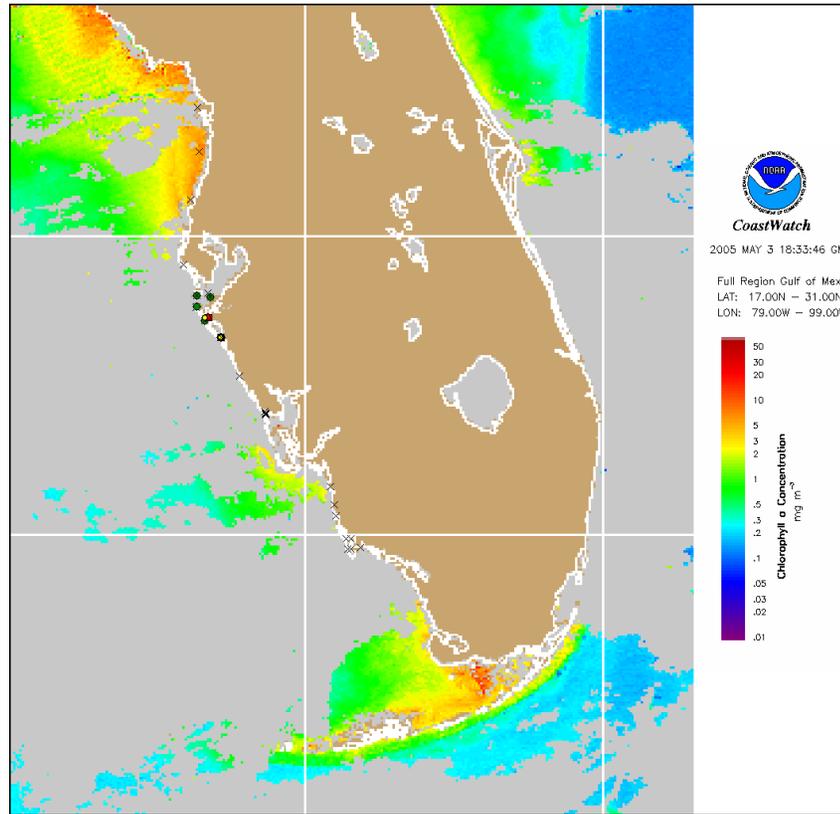
Last bulletin: May 2, 2005

Conditions: A harmful algal bloom has been identified in Manatee County. Patchy low impacts are possible today, and very low impacts are possible tomorrow through Monday. The bloom continues to dissipate along the coast.

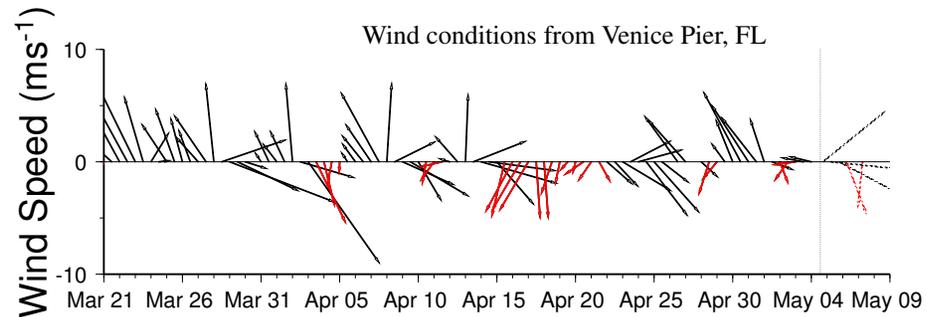
Analysis: Much of recent imagery has been obscured by clouds. Several samples were taken in Collier County on May 2, and no *Karenia brevis* was present in these samples. The latest samples from Manatee County were from last week: low and very low levels of *K. brevis* were present. Movement and intensification of the bloom is unlikely through Monday. Continued sampling is recommended.

Cedar Key: FWRI reported a visual sighting of discolored water off of Cedar Key on April 13. Imagery from May 3 indicates a chlorophyll level $>8 \mu\text{g/L}$ south of Cedar Key at $29^{\circ}2'N$, $83^{\circ}5'W$. No recent sample data from this area is available. Sampling is recommended.

Bronder, Stolz



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 21, 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).

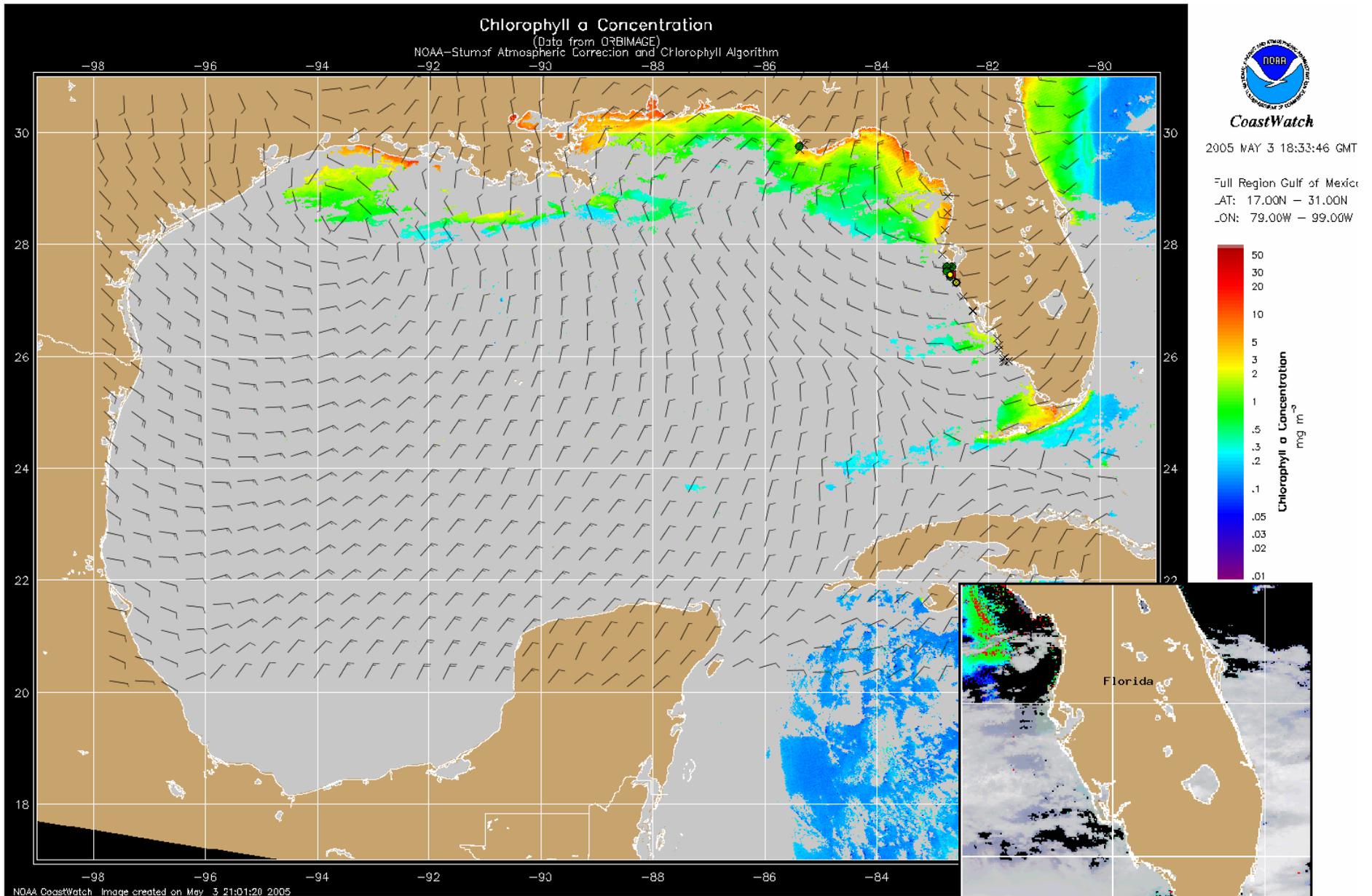


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right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

SW Florida: Winds will be south (15 kts, 8 m/s) today shifting west later, north tomorrow, weakening and northeast (10 kts, 8 m/s) on Saturday, east on Sunday, and southeast on Monday.



Chlorophyll concentration from satellite and forecast winds for May 6, 2005 06Z with cell concentration sampling data from April 21, 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)

