



Gulf of Mexico Harmful Algal Bloom Bulletin

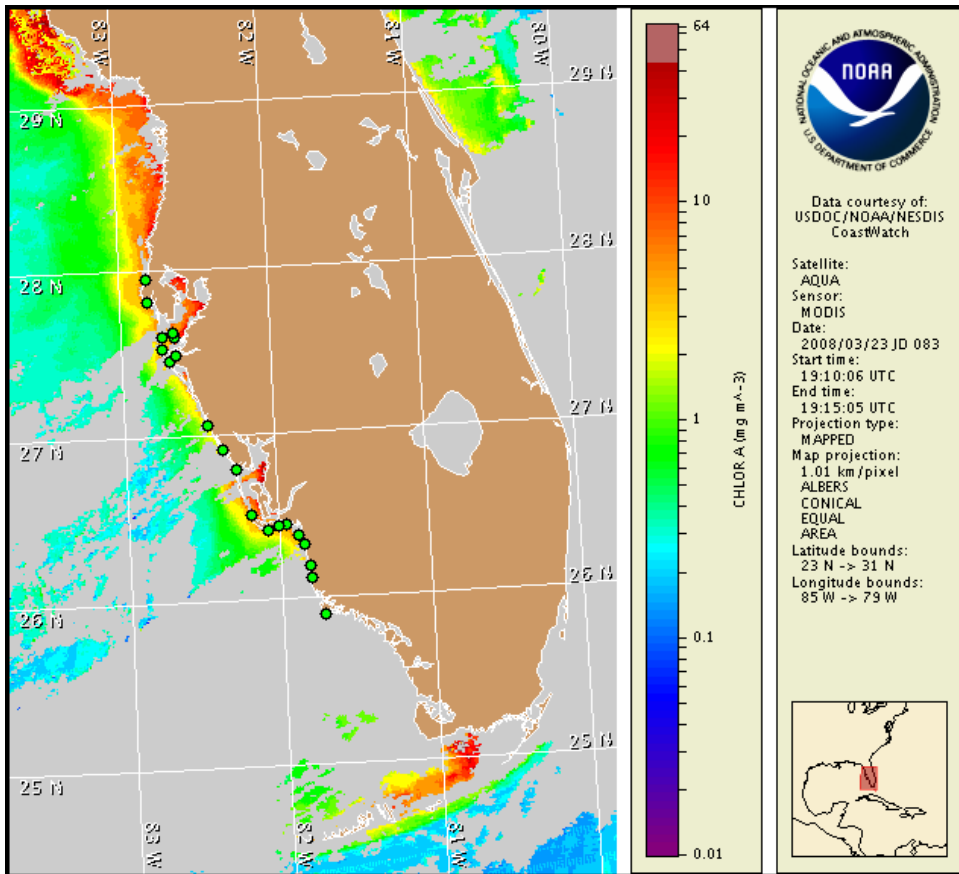
Region: South Florida

24 March 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: March 17, 2008



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from March 17 to 20 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (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

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.

Conditions Report

SW Florida: There is presently no indication of a harmful algal bloom at the coast in southwest Florida. No impacts are expected alongshore southwest Florida today through Sunday, March 30.

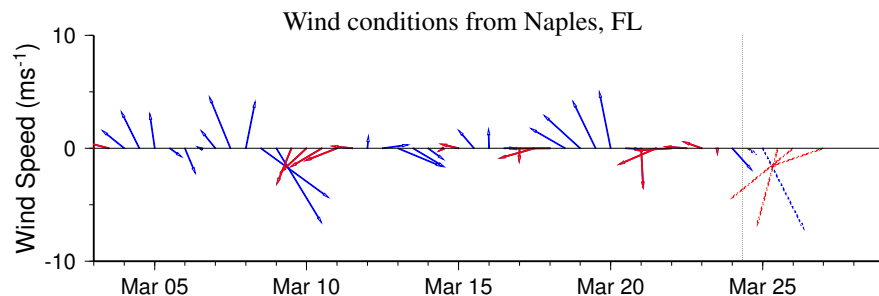
NE Florida: There is currently no indication of a harmful algal bloom along the coast in northeast Florida. No impacts are expected today through Sunday, March 30.

Analysis

A harmful algal bloom persists offshore northern Monroe County. Very low to low concentrations of *Karenia brevis* were last identified on 3/11(MML) approximately 6-9miles offshore Pavilion Key. Continued sampling is recommended. No impacts have been reported in association with this bloom. Recent MODIS imagery has been obscured by clouds; thus further analysis of the bloom extent is limited. Results of a wind transport model suggest that the bloom may have transported slightly north (8-13km) over the past 5 days. Winds are expected to be offshore throughout the week. Southward transport of the bloom is possible through Wednesday, with slight northwest transport possible later in the week. Bloom formation is unlikely along the coast of southwest Florida through Sunday, March 30.

Please note that due to technical difficulties, SeaWiFS imagery is temporarily unavailable; MODIS imagery is displayed on pages 1 and 2 of this bulletin.

~Fisher, Allen

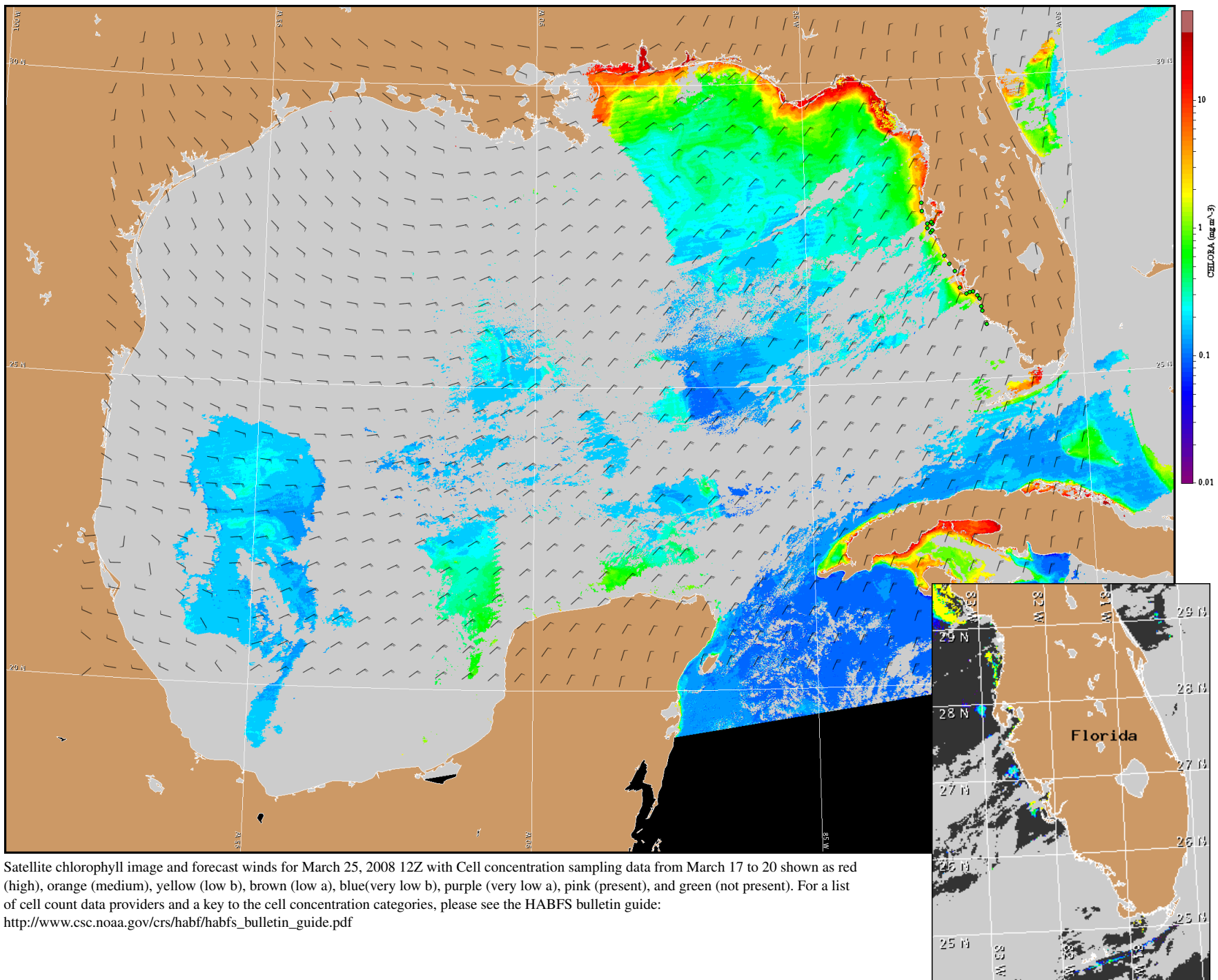


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Wind Analysis

North winds today (10-20kn, 5-10m/s; gusts up to 30kn, 15m/s). Northeast winds Tuesday (10-20kn, 5-10m/s). East winds Wednesday (10-15kn, 5-8m/s); shifting northeast Wednesday night. East winds Thursday (5-15kn, 3-8m/s). East to southeast winds Friday (5-15kn, 3-8m/s).

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for March 25, 2008 12Z with Cell concentration sampling data from March 17 to 20 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (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 and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).

