

Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

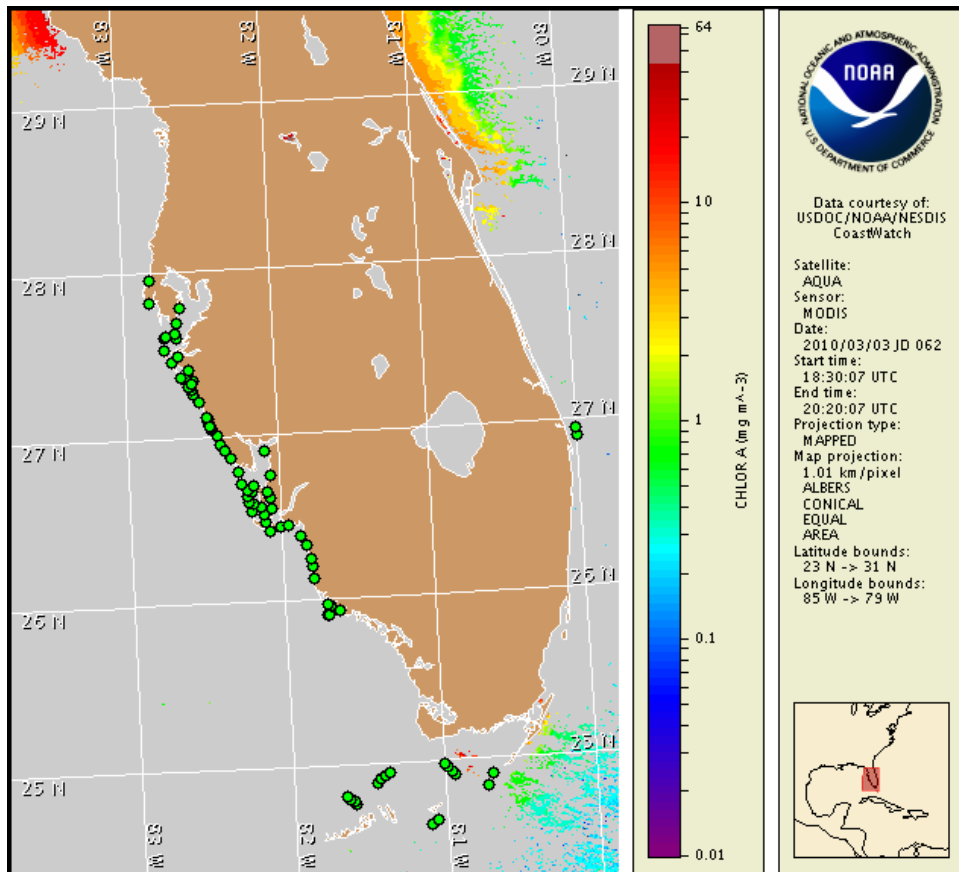
4 March 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: March 1, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from February 22 to March 3 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://tidesandcurrents.noaa.gov/hab/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

There is currently no indication of a harmful algal bloom alongshore southwest Florida, including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, March 7.

Analysis

There is currently no indication of a harmful algal bloom alongshore southwest Florida or the Florida Keys. Recent samples in Manatee, Sarasota, Charlotte, Collier, and Monroe Counties, including the Florida Keys, indicate that *Karenia brevis* is not present (FWRI, MML; 2/23-3/3).

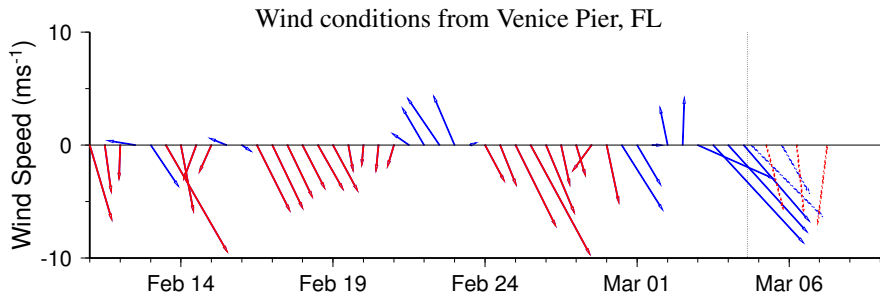
MODIS satellite imagery alongshore southwest Florida and the Florida Keys is completely obscured by clouds over the past few days, limiting analysis. As of early this week, chlorophyll levels have dissipated alongshore southwest Florida (2-5 $\mu\text{g/L}$).

Harmful algal bloom formation is not expected today through Sunday, March 7.

Due to technical difficulties SeaWiFS imagery is currently unavailable for display. MODIS imagery is shown on this bulletin.

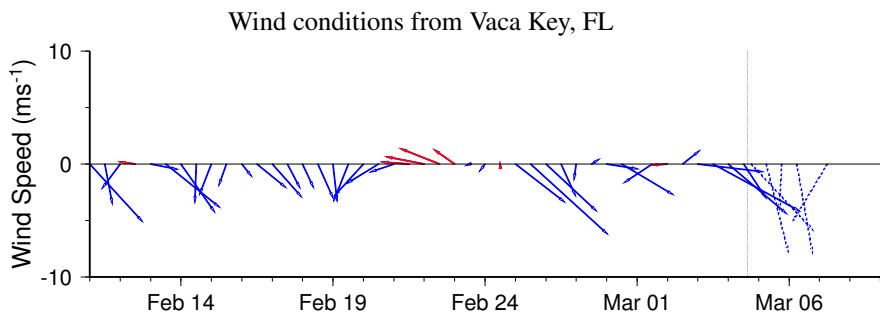
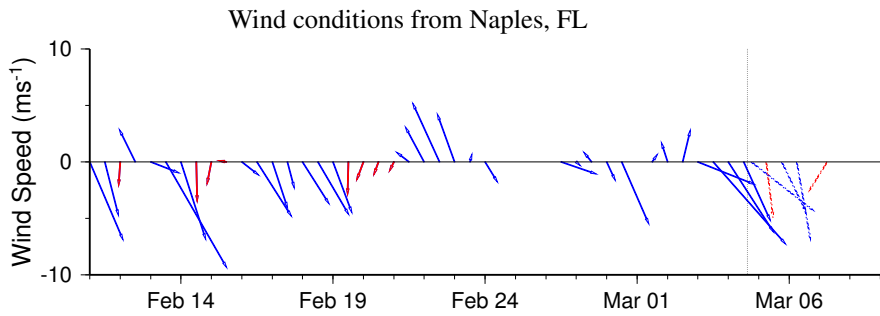
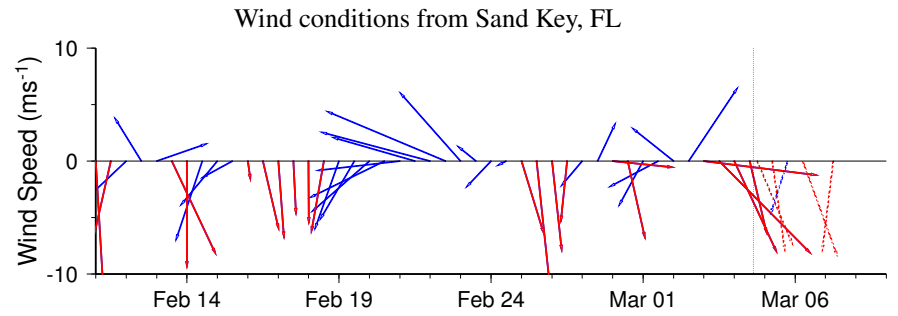
**Note: As of today, southwest Florida bulletins will be issued once weekly on Mondays due to current harmful algal bloom inactivity. Twice weekly bulletins will resume as conditions warrant. The next bulletin will be sent on Monday, March 8.*

-Lindley, Urizar



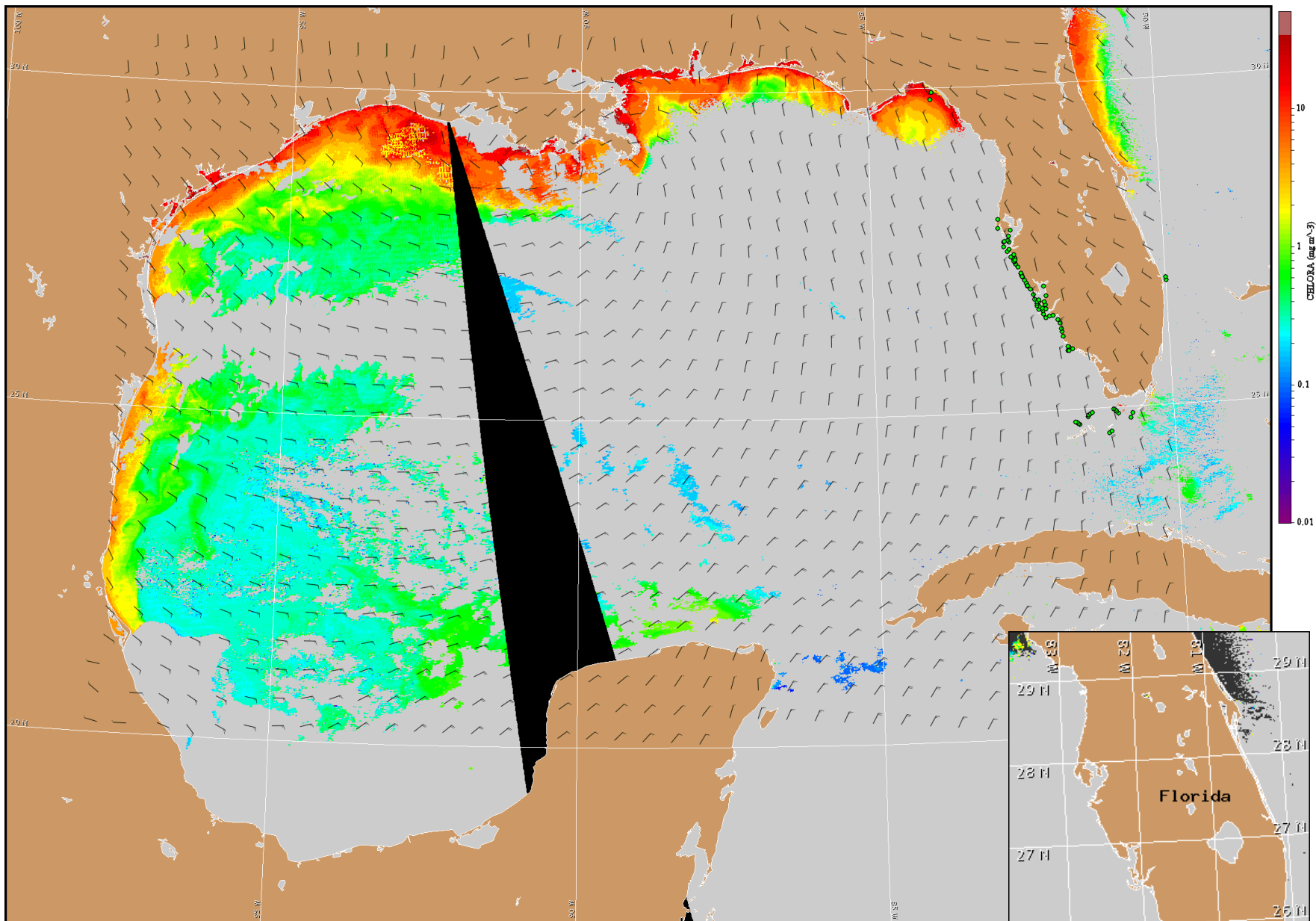
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

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Wind Analysis

Northwest winds today becoming Northerly tonight and tomorrow (10-15 kn, 5-8 m/s). Northeast winds Friday night becoming Northerly on Saturday (15 kn, 8 m/s). Northeast winds Saturday night and North winds on Sunday (10 kn, 5 m/s).



Satellite chlorophyll image and forecast winds for March 5, 2010 06Z with Cell concentration sampling data from February 22 to March 3 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:

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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).