

Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

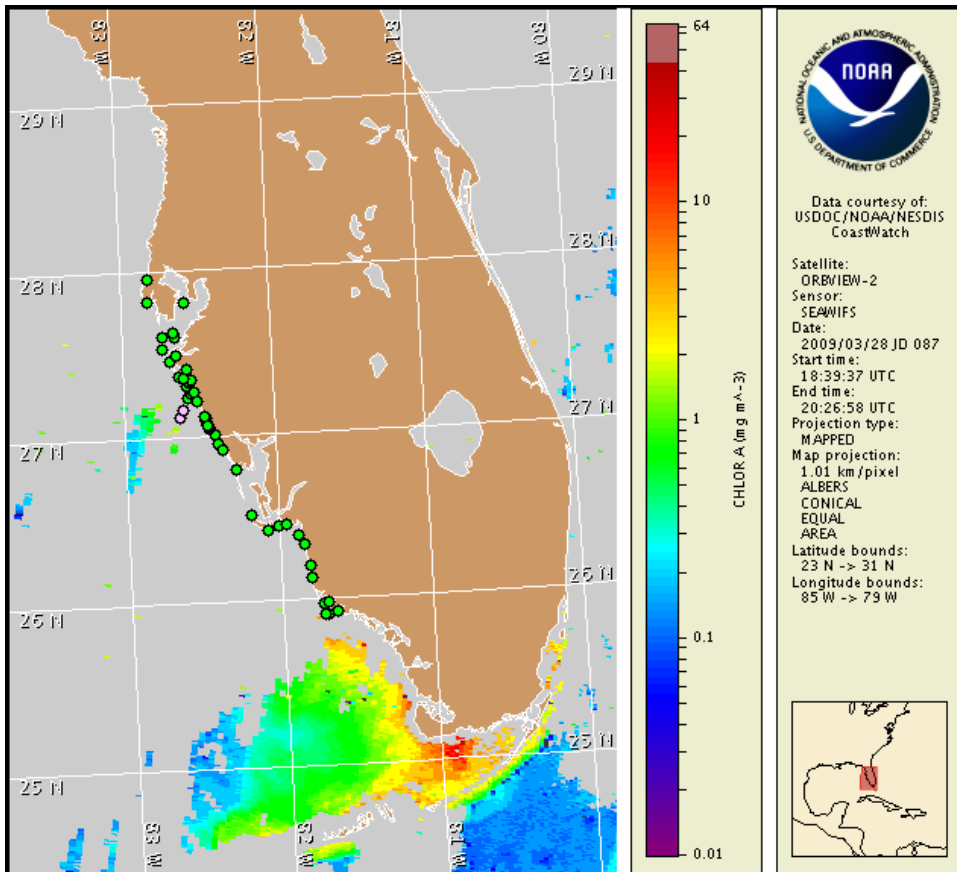
30 March 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: March 23, 2009



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from March 22 to 25 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

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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

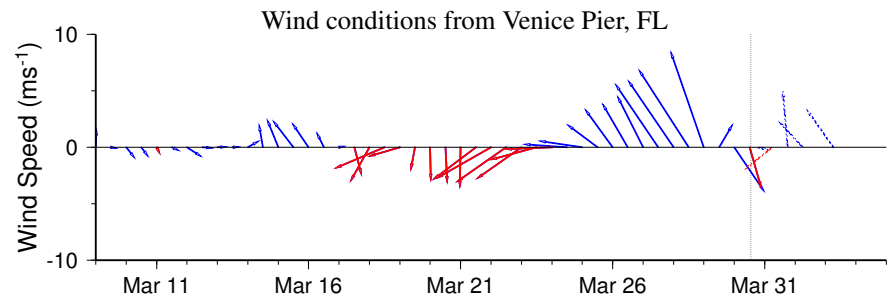
There is currently no indication of a harmful algal bloom at the coast in southwest Florida including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, April 5.

Analysis

There is currently no indication of a harmful algal bloom at the coast in southwest Florida including the Florida Keys. No *Karenia brevis* was identified in samples collected last week alongshore southwest Florida from Pinellas to Collier Counties (3/23-25; FWRI, SCHED). Background concentrations of *K. brevis* were found in samples collected 6-9 miles offshore central Sarasota County (FWRI 3/22). Recent satellite imagery has been cloudy along the coastline and limits analysis. However a small patch of elevated chlorophyll levels (approximately 3.5 $\mu\text{g/L}$) is located offshore southern Collier County and centered at 25°45'12"N 81°43'19"W. Sampling is recommended.

Bloom formation alongshore southwest Florida is not expected today through Sunday, April 5.

Urizar, Lindley

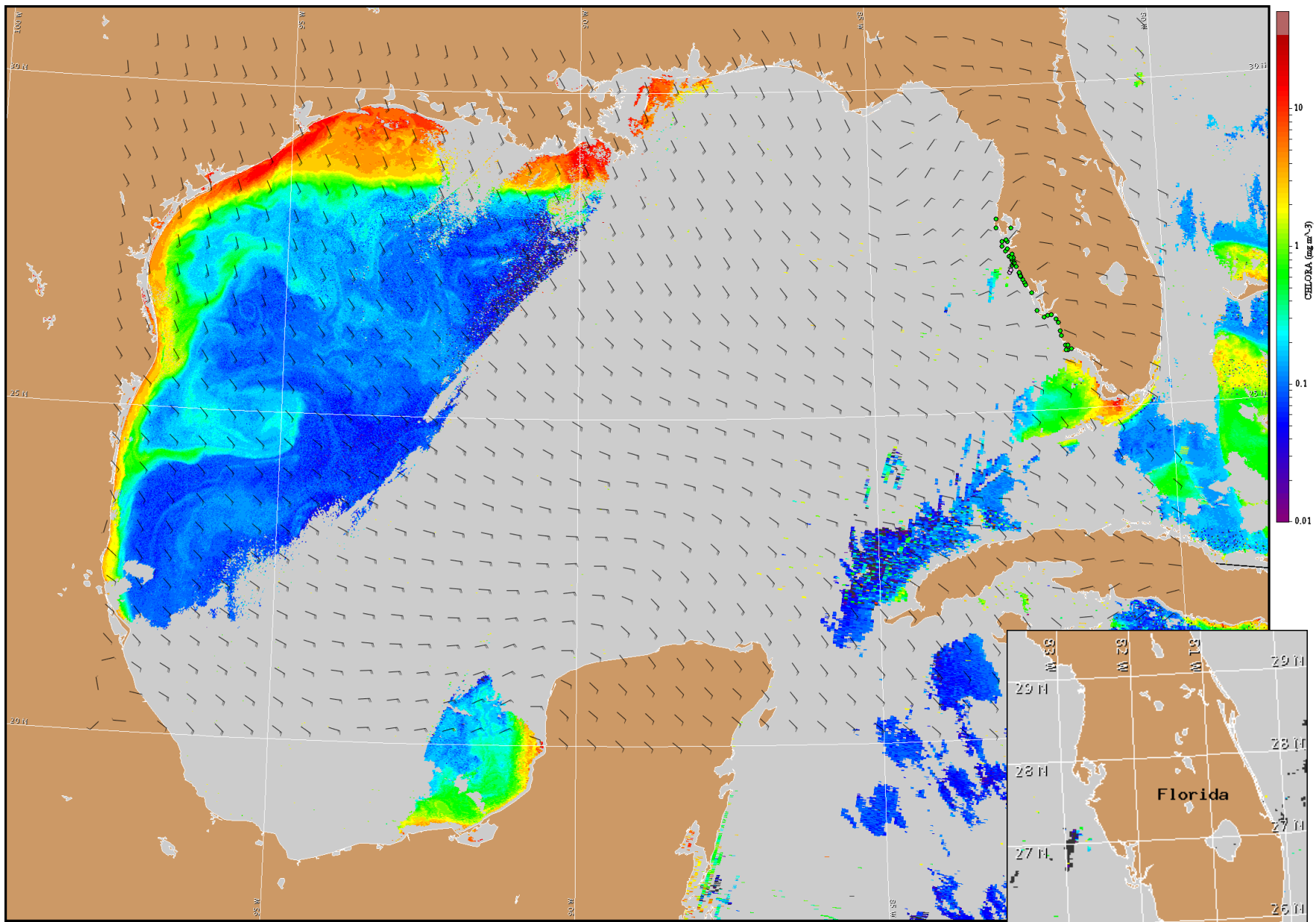


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.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

Wind Analysis

Southwest Florida: Northeasterly to northerly winds today (5-10 kn, 3-5 m/s). Southeasterly to southerly winds (5-15 kn, 3-8 m/s) Tuesday. Southerly winds (10-20 kn, 5-10 m/s) Wednesday and Thursday. Southwesterly winds (15-20 kn, 8-10 m/s) Friday.

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 31, 2009 06Z with Cell concentration sampling data from March 22 to 25 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).