

Gulf of Mexico Harmful Algal Bloom Bulletin

11 February 2008

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: February 4, 2008

Conditions Report

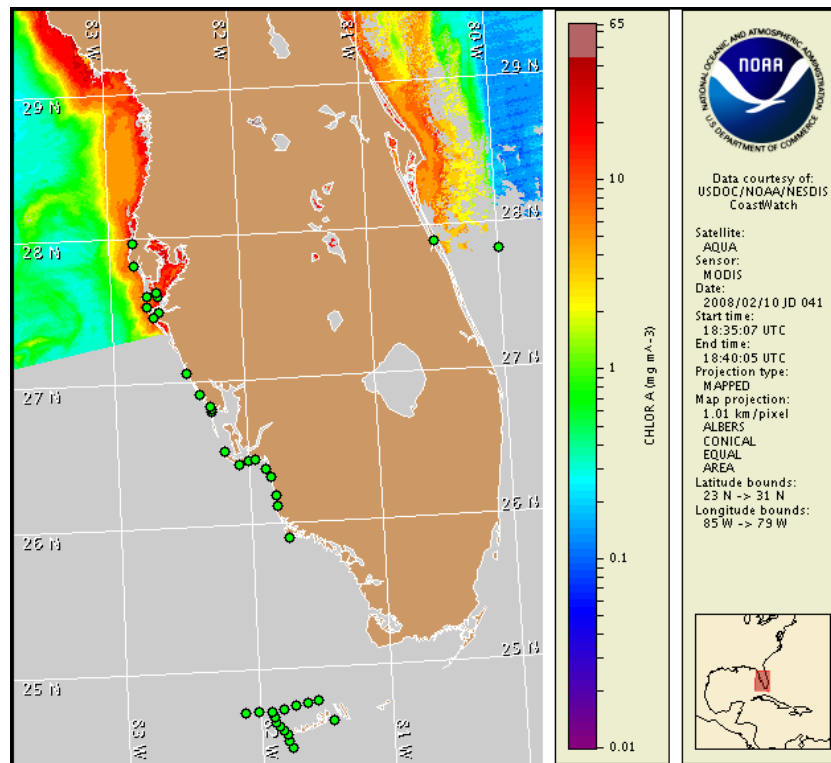
SW Florida: There is currently no indication of a harmful algal bloom along the coast in Southwest Florida. No impacts are expected today through Tuesday, February 19.

NE Florida: There is currently no indication of a harmful algal bloom along the coast in Northeast Florida. No impacts are expected today through Tuesday, February 19.

Analysis

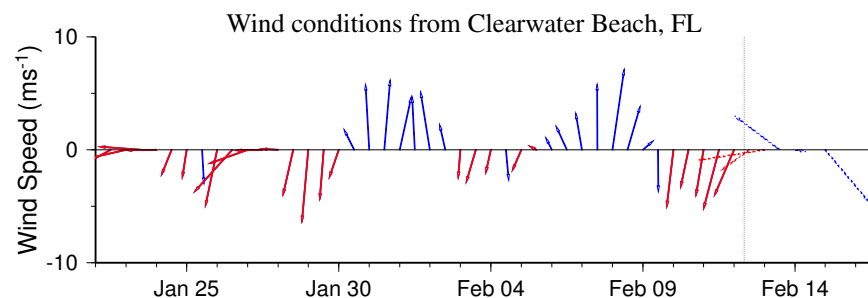
SW Florida: There is currently no indication of a harmful algal bloom present alongshore Southwest Florida. No *Karenia brevis* was identified in samples collected throughout Southwest Florida this past week (FWRI, MML, SCHD, 2/4-2/7). An elevated chlorophyll feature is visible in MODIS imagery (2/10) approximately 40-60 miles offshore Pasco and northern Pinellas Counties (maximum chlorophyll level $<2\mu\text{g/L}$ centralized near $28^{\circ}15'N$ $83^{\circ}31'W$). This offshore feature, which became visible early last week, has maintained its general location. An additional elevated chlorophyll feature is visible approximately 70 miles offshore northern Sarasota County ($<2\mu\text{g/L}$, centralized at $27^{\circ}19.4'N$ $83^{\circ}38.5'W$). These features will continue to be monitored via satellite imagery. Elevated chlorophyll levels continue to be visible in patches alongshore Pinellas, northern Sarasota, Charlotte, Lee, and Collier Counties, and are likely attributed to confirmed non-harmful algae. Conditions are not favorable for bloom formation at the coast through Friday, February 15. 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, Urizar



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from February 4 to 7 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

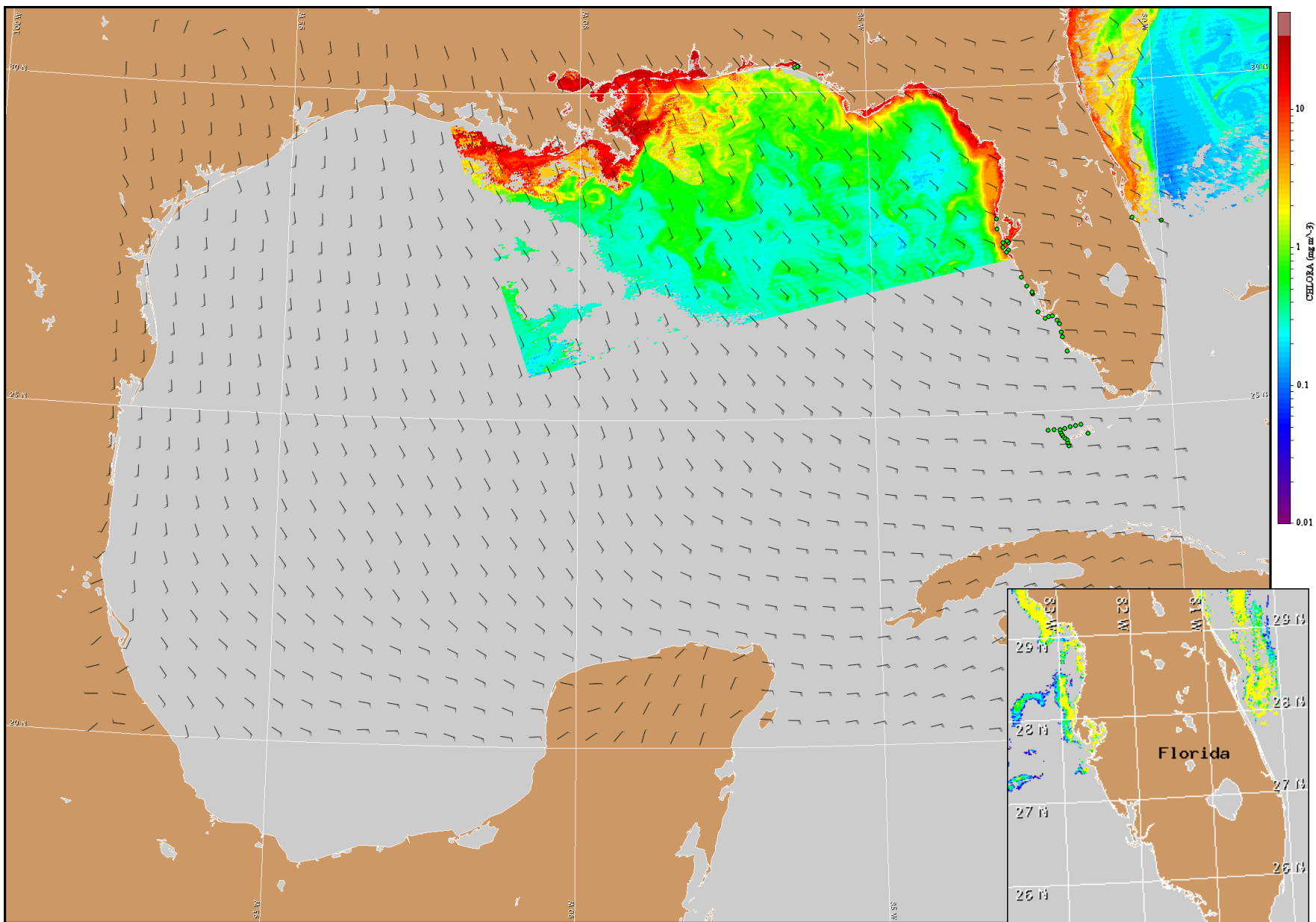


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

East winds today shifting southeasterly Tuesday and southerly Tuesday night (15kt, 8m/s). West winds Wednesday (15-20kt, 8-10m/s), becoming northerly Wednesday night. East winds Thursday (10kt, 5m/s). Southeast winds expected Friday (10-15kt, 5-8m/s).

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.



Satellite chlorophyll image and forecast winds for February 12, 2008 12Z with Cell concentration sampling data from February 4 to 7 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).