



Gulf of Mexico Harmful Algal Bloom Bulletin

25 October 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: October 22, 2007

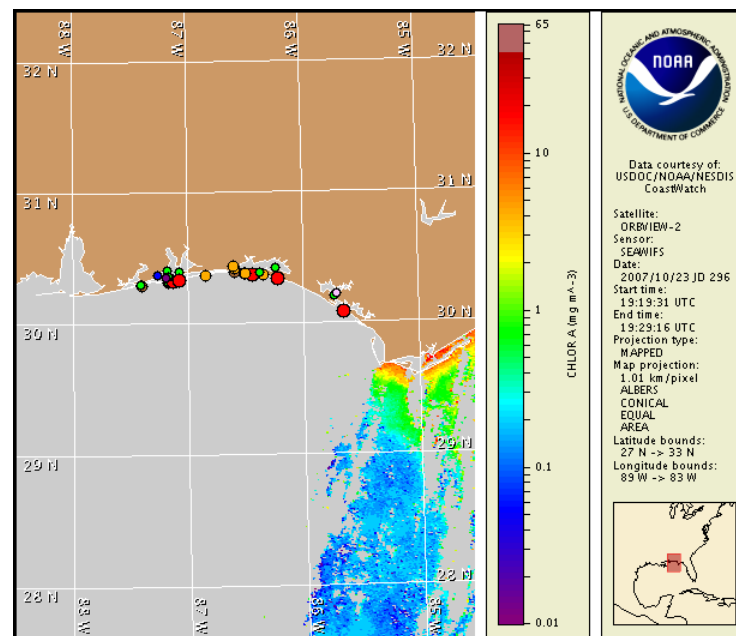
Conditions Report

A harmful algal bloom has been identified in patches from Bay County, Florida to Baldwin County, Alabama. Today through Sunday, patchy low impacts are possible in Escambia, Santa Rosa, Okaloosa, Walton, and Bay Counties, Florida. Moderate to high impacts are also possible in bay regions of Bay and Okaloosa Counties, Florida and Baldwin County, Alabama today through Sunday.

Analysis

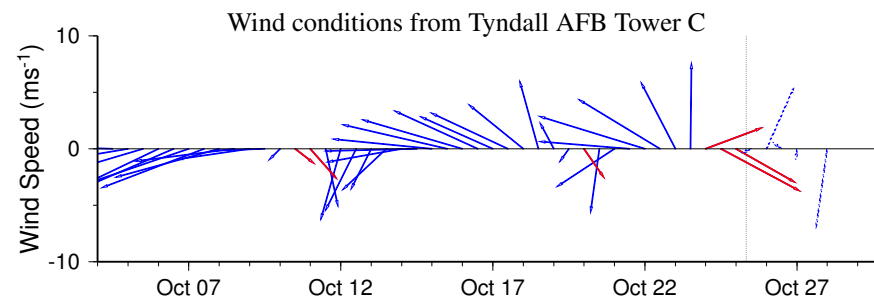
A harmful algal bloom persists from Bay to Escambia County, Florida, and in Baldwin County, Alabama. No additional information related to *K. brevis* concentration or satellite imagery is currently available for this region. Reports of dead fish and respiratory irritation have been received from Escambia, Santa Rosa, Okaloosa and Walton County over the past few days. Winds throughout the weekend are expected to be offshore, minimizing impacts at the outer coast, however impacts may be greater inside bay regions. Conditions are favorable for upwelling and intensification of the bloom throughout the weekend.

~Fisher, Fenstermacher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 15 to 23 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



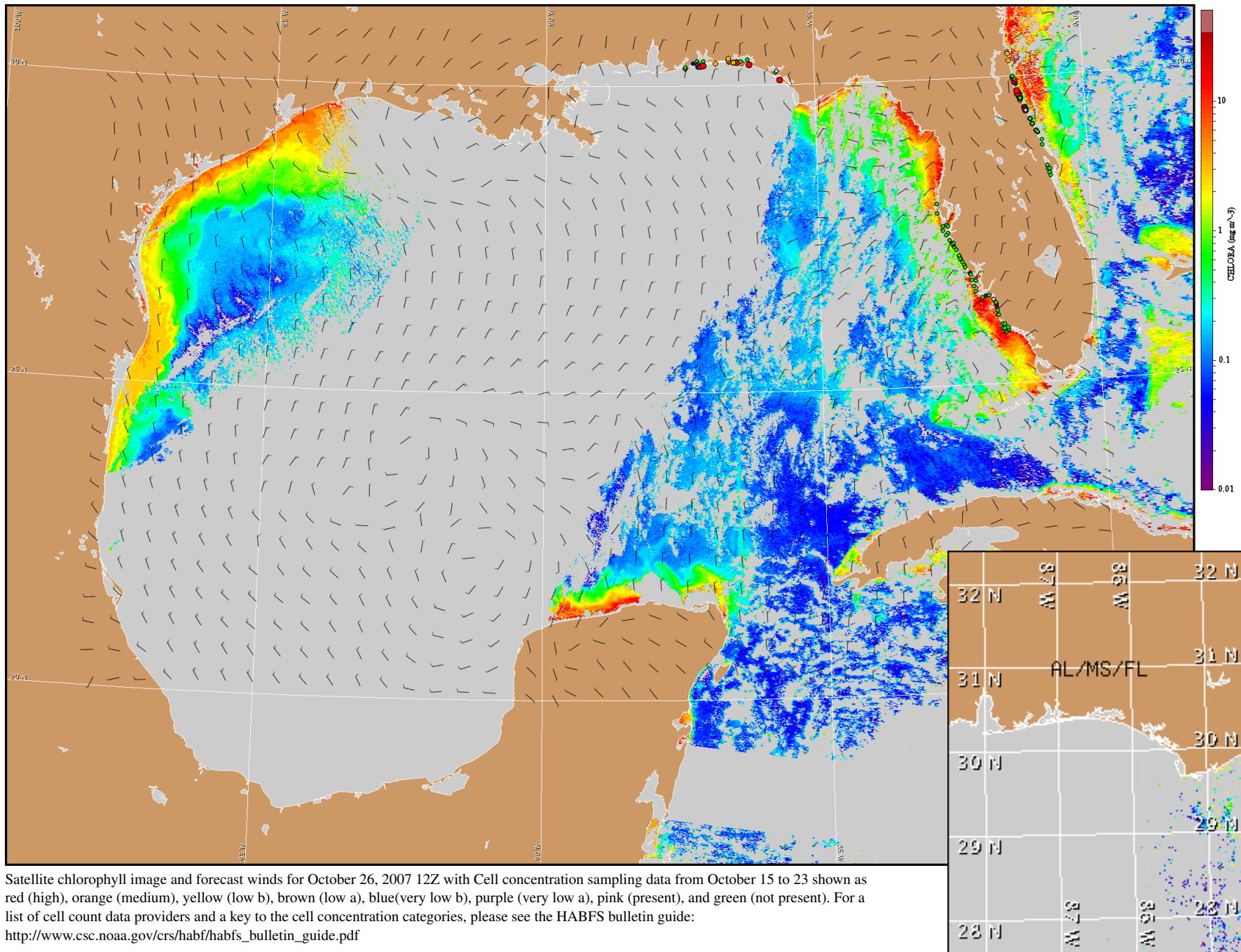
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Walton County, FL to Alabama: Northwesterlies today (10kts, 5m/s), becoming northerly at 10-15kts (5-8m/s) tonight through Friday and increasing in strength up to 25kts (13m/s) Saturday and Sunday.

Bay and Gulf County, FL: Northwesterlies today (10-15kts, 5-8m/s) and Friday, shifting northeasterly Friday night into Sunday and strengthening up to 20kts (10m/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.



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

Wind conditions from Dauphin Island, AL

