

Gulf of Mexico Harmful Algal Bloom Bulletin

7 December 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: December 6, 2007

Conditions Report

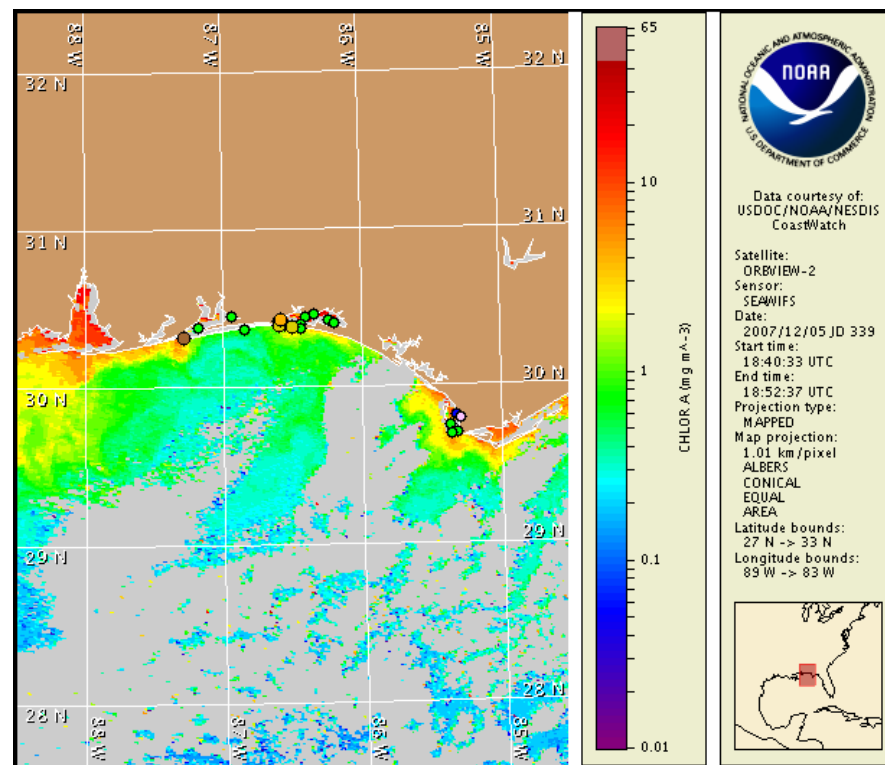
A harmful algal bloom has been identified in patches from Gulf County, Florida to Mobile County, Alabama and in Harrison County, Mississippi. In the bay regions of western Gulf County, patchy very low impacts are possible today through Sunday. In Okaloosa County, Florida and Baldwin County, Alabama, patchy moderate impacts are possible are today through Sunday. In Escambia County, Florida and island regions of Harrison County, Mississippi, patchy low impacts possible today through Sunday. No impacts are expected elsewhere in northwest Florida, Alabama or Mississippi through Sunday, December 9.

Analysis

** This bulletin contains supplemental text to Bulletin number 2007-075, issued Thursday December 6, 2007. **

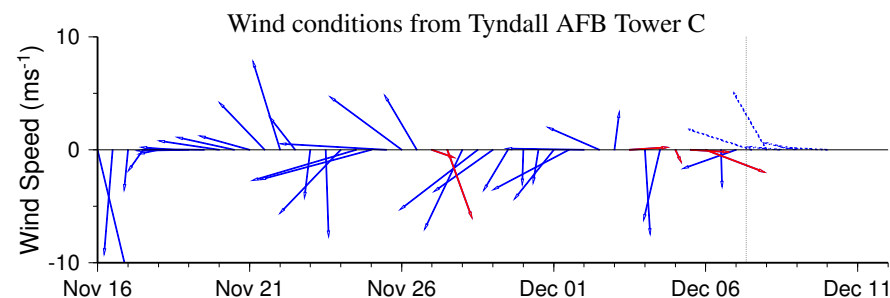
Recent samples indicate background to very low concentrations of *Karenia brevis* in St. Joseph's Bay in Gulf County (12/4, FWRI).

Allen, Fenstermacher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from November 27 to December 6 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/habfs/habfs_bulletin_guide.pdf

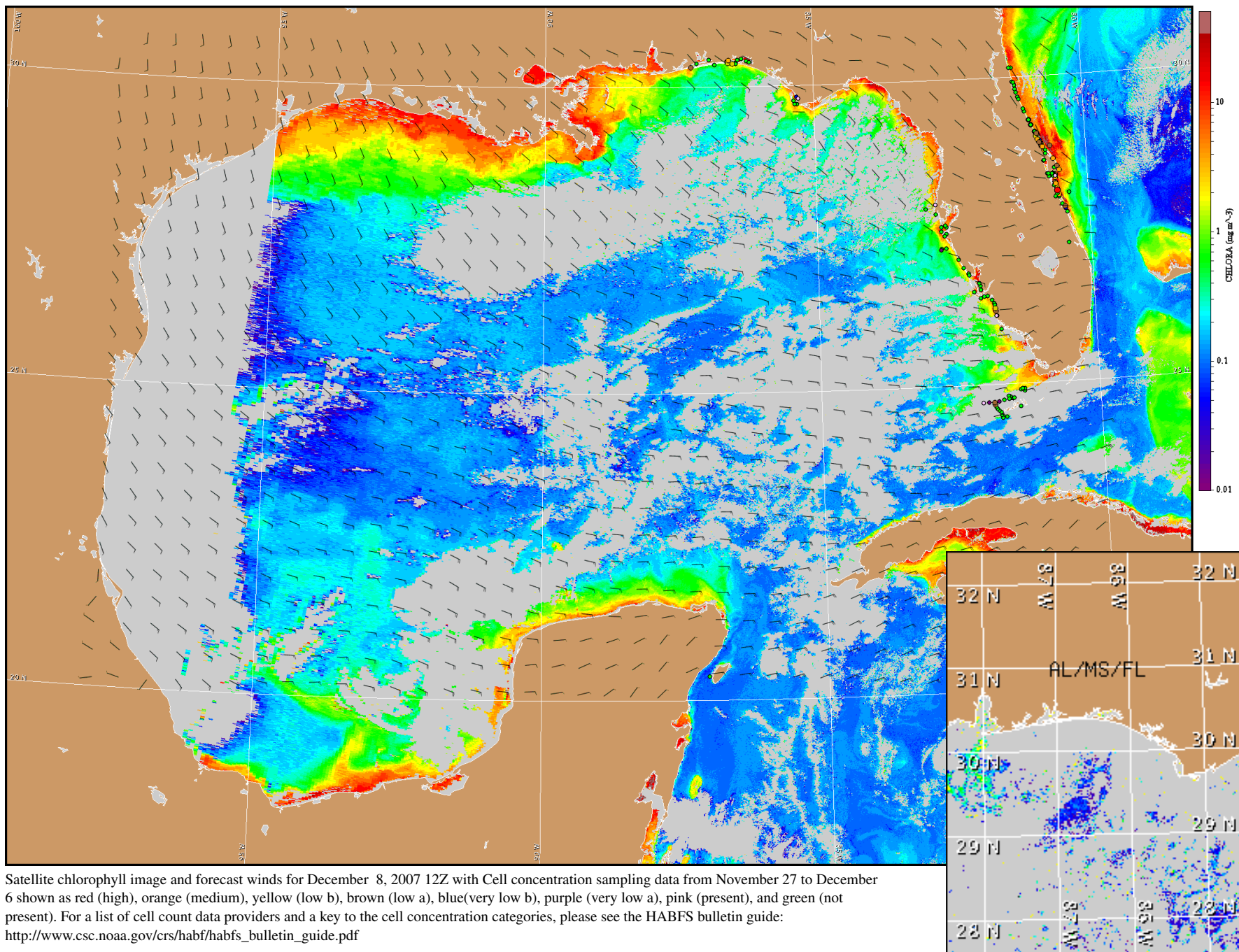


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

NW Florida: Southerlies tonight (10-15 kts; 5-8 m/s) through Saturday followed by southeasterlies Saturday night (5-10 kts; 3-5 m/s). Easterlies on Sunday (10-15 kts; 5-8 m/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 Panama City, FL

