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 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:

Wind conditions from Tyndall AFB Tower C

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).
Satellite chlorophyll image and forecast winds for December 8, 2007 12Z with 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/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).
Wind conditions from Panama City, FL

Wind Speed (ms⁻¹)

Nov 16  Nov 21  Nov 26  Dec 01  Dec 06  Dec 11