



Gulf of Mexico Harmful Algal Bloom Bulletin

8 November 2004

National Ocean Service

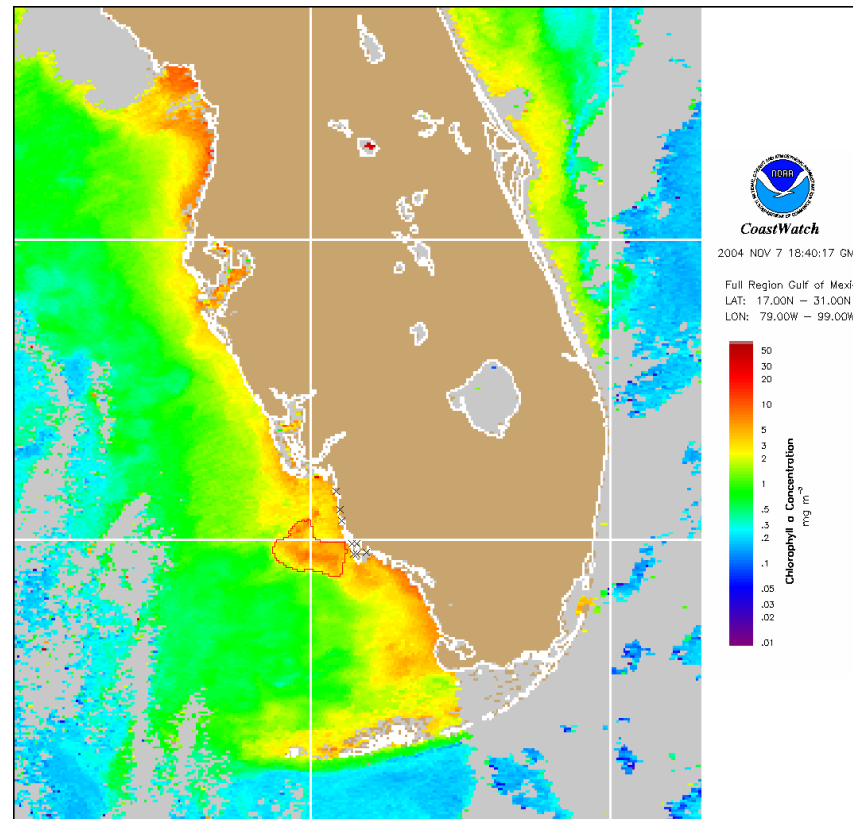
National Environmental Satellite, Data, and Information Service

Last bulletin: November 3, 2004

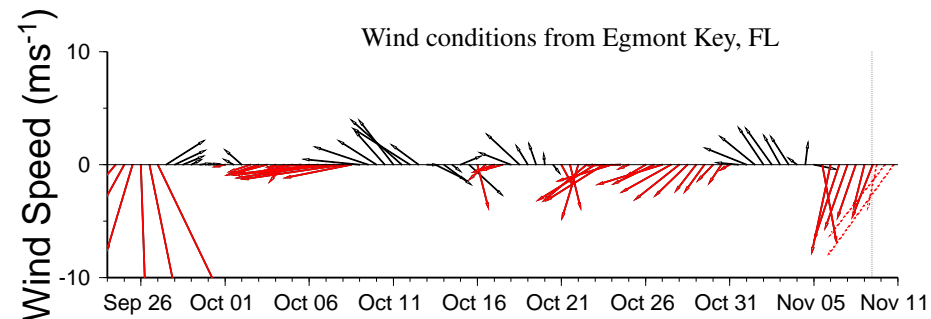
Conditions: Analysis indicates there are no known harmful algal blooms in any Florida counties.

Analysis: Sampling reports provided by FWRI indicated medium concentrations of *K. brevis* located approximately 40 miles west of Doctors Pass near Naples on Nov. 1-4. A high chlorophyll feature persists near Naples, extending from 26d10'N, 81d59'W to 25d46'N, 81d50'W and offshore to 25d57'N, 82d13'W. This feature has intensified over the past several days; however it is not located within the sampling area where medium *K. brevis* concentrations were identified last week. No *K. brevis* was found inshore along the Collier Co. shoreline on the aforementioned sampling dates. Conditions favorable for upwelling and offshore transport over the next few days. No impacts at the beach are expected through Thursday.

~Fisher, Bronder



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 31, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

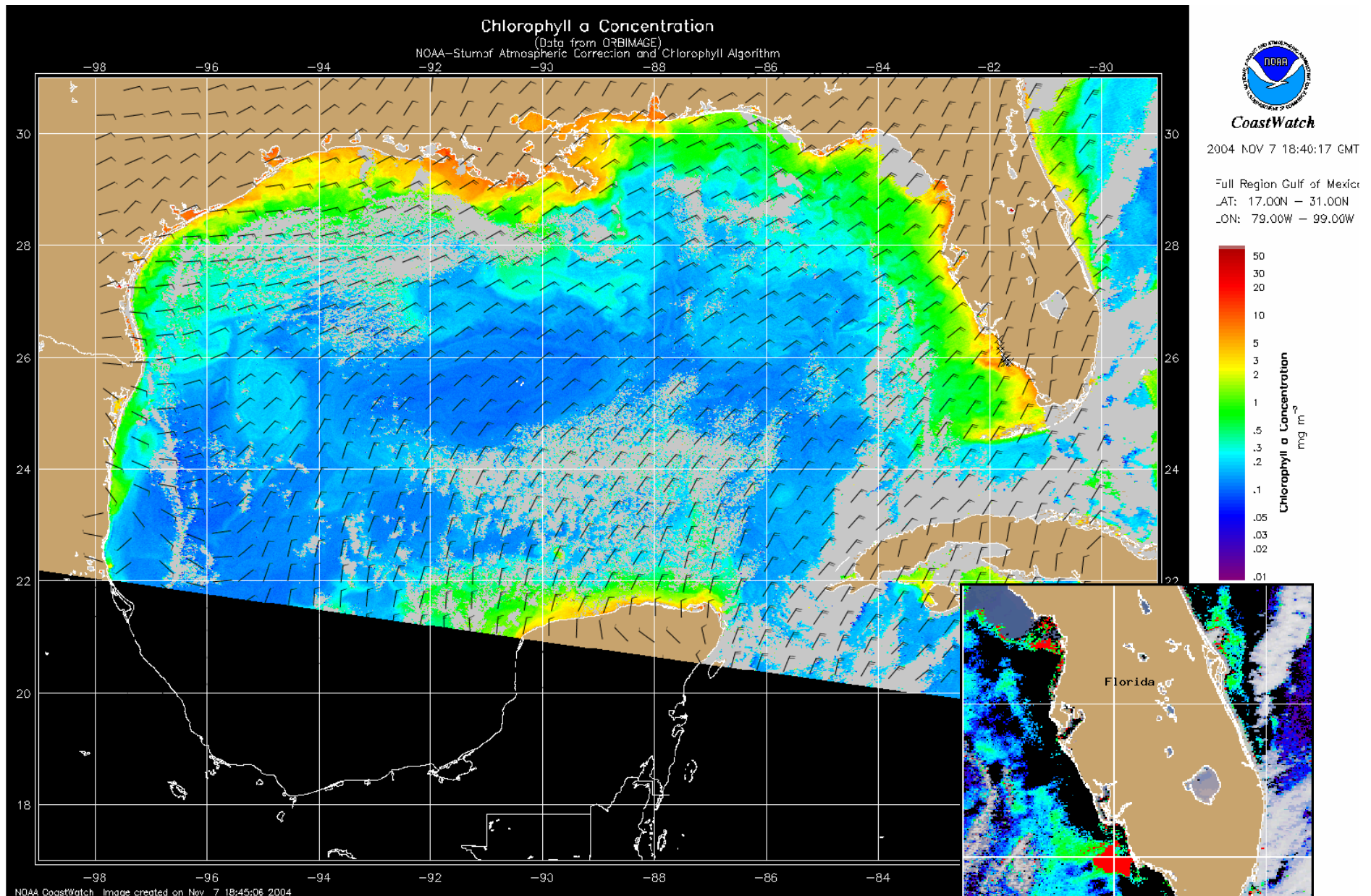


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right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

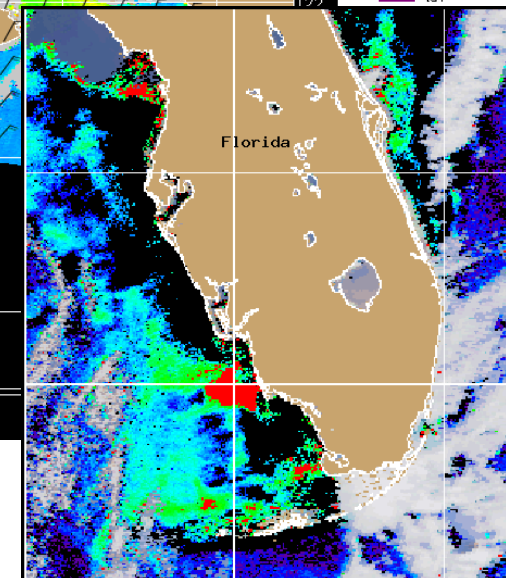
Prominent northeasterly winds beginning on Nov. 5 will continue and strengthen through Wednesday. Winds are expected to shift to easterly on Thursday for a brief period, returning to northerly on Friday.

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Chlorophyll concentration from satellite and forecast winds for November 9, 2004 12Z with cell concentration sampling data from October 31, 2004 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Blooms shown in red (see p. 1 analysis and image for interpretation)