Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Southwest Florida

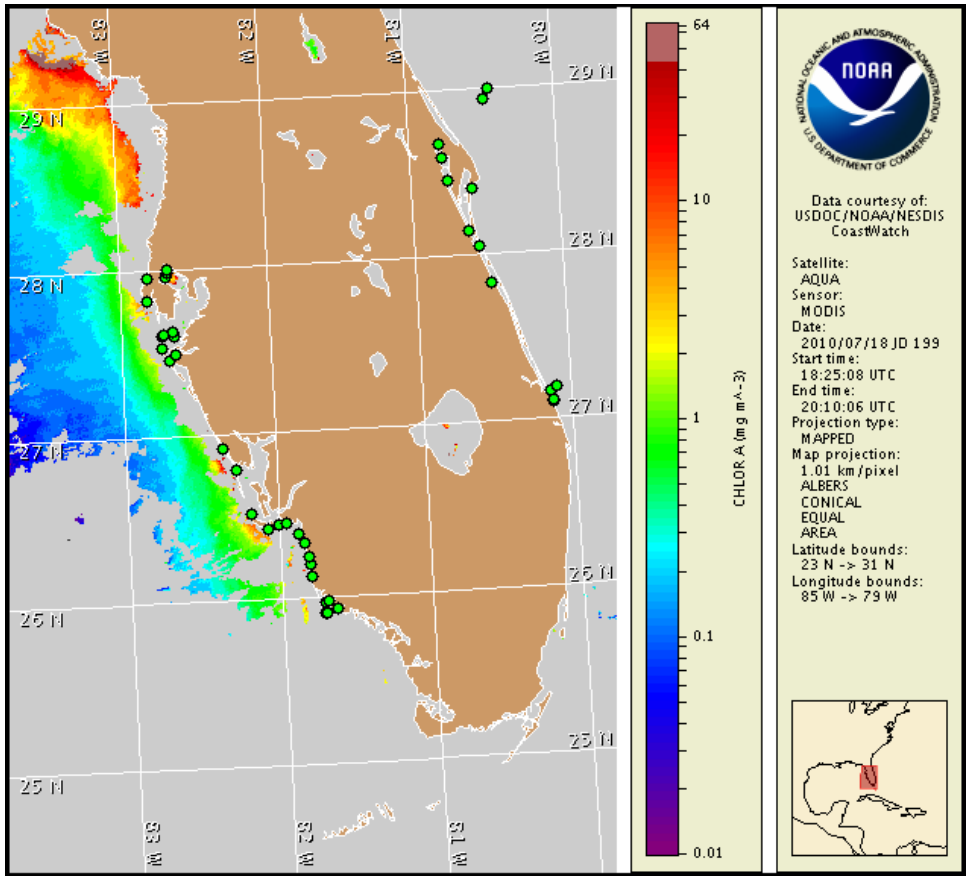
19 July 2010

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: July 12, 2010



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 9 to 15 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://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

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.

Conditions Report

There is currently no indication of a harmful algal bloom at the coast in southwest Florida, including the Florida Keys. No impacts are expected alongshore southwest Florida today through Sunday, July 25.

Analysis

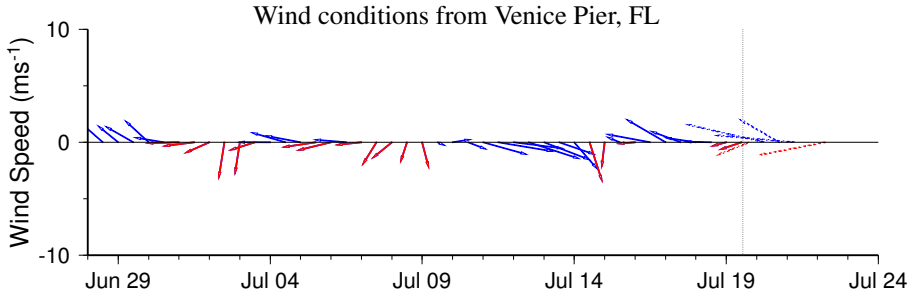
There is currently no indication of a harmful algal bloom in southwest Florida, including the Florida Keys. No *Karenia brevis* was identified at the coast last week between Pinellas and Collier counties, or offshore Pinellas County (FWRI, MML, SCHD; 7/9-7/16).

Recent satellite imagery is obscured by clouds along much of the coast of southwest Florida, and is completely obscured south of central Collier County and in the Florida Keys region. Elevated chlorophyll reported in the last bulletin visible along the coast between Pinellas and Collier counties and offshore Pinellas, Manatee, and between Lee and Monroe counties, is likely the result of mixed non-harmful algal blooms that continue to be reported in many southwest Florida counties (FWRI; 7/14-7/16). These regions will continue to be monitored as imagery becomes available.

Harmful algal bloom formation is not expected at the coast through Sunday, July 25.

MODIS imagery is shown at left and on page 2.

Derner, Burrows, Fenstermacher

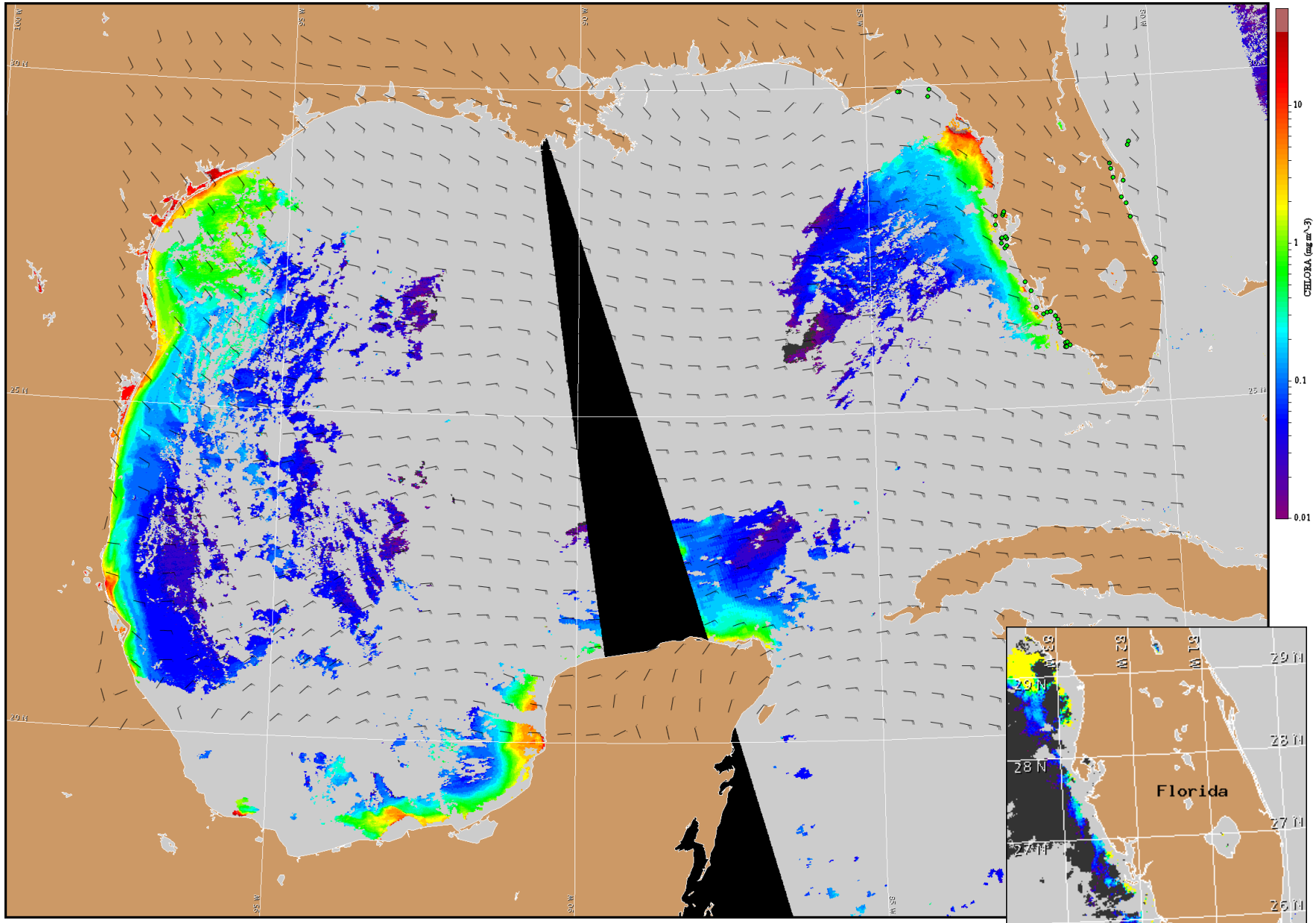


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

Wind Analysis

Southwest Florida: East winds (10kn, 5m/s) today becoming onshore in the afternoon. Northwest winds (10kn) tonight becoming easterly (10-15kn, 5-8m/s) into early Tuesday morning. Southeast winds (10-15kn) Tuesday, becoming east (10-15kn) Tuesday afternoon and evening. East winds (10-15kn) Wednesday. Northeast winds (10-15kn) Thursday and Friday.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for July 20, 2010 06Z with Cell concentration sampling data from July 9 to 15 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://tidesandcurrents.noaa.gov/hab/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).