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, May 3.

Analysis
There is currently no indication of a harmful algal bloom at the coast in southwest Florida including the Florida Keys. No *Karenia brevis* was identified in samples collected last week alongshore and offshore southwest Florida from Manatee to Monroe County (FWRI 4/20-21; SCHD 4/20; MML 4/21-22).

Satellite imagery indicates the continued presence of an elevated chlorophyll patch (up to 6 µg/L) located offshore Collier County (centered at 25°53′39″N 81°48′54″W). Due to cloud cover, the full extent of this patch cannot be determined. Samples from onshore central Collier County indicate that *K. brevis* is not present and indicate the presence of numerous species of non-harmful algae at various concentrations (FWRI 4/21).

Chlorophyll levels are also elevated (3-4 µg/L) offshore northern Lee County. However, this may be attributed to the resuspension event reported on 4/13; since the event chlorophyll levels have been declining in this region. Additionally, samples continue to confirm the presence of various species of non-harmful algae alongshore Lee County (FWRI 4/21).

Harmful algal bloom formation alongshore southwest Florida is not expected today through Sunday, May 3.

Urizar, Fenstermacher

Wind conditions from Naples, FL

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: Easterly winds (10-20 kn, 5-10 m/s) today through Thursday. South-easterly winds (10-15 kn, 5-8 m/s) on Friday.
Satellite chlorophyll image and forecast winds for April 28, 2009 06Z with Cell concentration sampling data from April 18 (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/habfsBulletin_guide.pdf