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, Dec. 12.

Analysis
There is currently no indication of a harmful algal bloom alongshore southwest Florida, including the Florida Keys. Karenia brevis was not present in samples collected last week alongshore Pinellas, Manatee, Sarasota, Charlotte, Lee, and Collier counties or offshore Monroe County (FWRI, MML, SCHD; 11/29 to 12/1).

Satellite imagery indicates only elevated levels of chlorophyll (typically ranging from 2-4 µg/L) along much of the southwest Florida coast including the Florida Keys, with the highest levels of chlorophyll (ranging from approximately 6-7 µg/L) located in southern Lee County, south of Fort Myers Beach. Much of the elevated chlorophyll found alongshore southwest Florida is likely the result of non-toxic mixed diatom blooms that continue to be confirmed by samples.

Forecast winds are not favorable for bloom formation today through Friday.

Urizar, Burrows, Kavanaugh

Wind Analysis
SW Florida: Northwesterly to northerly winds (15-20 kn, 8-10 m/s) today and tomorrow. Northerly winds Wednesday (10 kn, 5 m/s) and northeasterly winds Wednesday night. Northeasterly winds Thursday and Friday (10-15 kn, 5-8 m/s).

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive:
http://tidesandcurrents.noaa.gov/hab/bulletins.html
Satellite chlorophyll image and forecast winds for December 7, 2010 06Z with Cell concentration sampling data from November 29 to December 1 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