Conditions Report

There is no indication of harmful algal bloom presence alongshore of southwest Florida. No impacts are expected in any Florida County through Sunday.

Analysis

No *Karenia brevis* has been identified alongshore of southwest Florida or in the Keys over the past three weeks (FWRI, MML). Imagery indicates patches of elevated chlorophyll throughout southwest Florida, which are likely non-harmful algae. The elevated chlorophyll band located approximately 23 miles (38 km) south-southwest of Cape Romano (eastern extent: 25°33’47”N, 81°35’36”W; western extent: 25°35’8”N, 81°55’5”W) remains, although it has decreased to generally less than 3 μg/L. Northwest to northeast winds through Sunday may promote southward movement of the feature.

A large high chlorophyll patch shown on page 2 (up to 11 μg/L; center location: 27°48’23”N, 84°8’27”W) approximately 77 miles (124 km) offshore of Pinellas County is likely a non-harmful bloom from the panhandle area.

Fenstermacher, Keller
Satellite chlorophyll image and forecast winds for April 20, 2007 06Z with cell concentration sampling data from April 9-18 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). 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 HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).