Gulf of Mexico Harmful Algal Bloom Bulletin
14 April 2005
National Ocean Service
National Environmental Satellite, Data, and Information Service
Last bulletin: April 11, 2005

Conditions: A harmful algal bloom has been identified off of Manatee and Sarasota Counties. Patchy low impacts are possible today, with patchy very low impacts likely tomorrow through Monday.

Analysis: The bloom continues to weaken. Imagery from April 11 shows a chlorophyll level >4 µg/L 28 km (17 miles) south of Boca Grande at 26°33'N, 82°13'W. Karenia brevis was not present in samples taken in Collier County on April 11. Little movement of the bloom is expected and intensification is unlikely.

Cedar Key: FWRI reported a visual sighting of reddish discoloration 3-5 miles west of Cedar Key on April 13. Imagery on April 13 indicates a chlorophyll level >12 µg/L 14 km (8 miles) southwest of Cedar Key at 29°2'N, 83°5'W. Sampling is recommended.

Keys: No recent samples are available in the Keys, but imagery indicates a chlorophyll level >6 µg/L northwest of Marathon.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. These data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Distribution for military, or commercial purposes is NOT permitted.
3. There are restrictions on Internet/Web/public posting of these data.
4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.

Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 1, 2005 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 conditions from Venice Pier, FL

SW Florida: Winds will be northwest today (15 kts, 8 m/s), northeast (15 kts, 8 m/s) tonight through Saturday, east (10 kts, 5 m/s) on Sunday and Monday.
Chlorophyll concentration from satellite and forecast winds for April 15, 2005 06Z with cell concentration sampling data from April 1, 2005 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)