**Conditions:** A harmful algal bloom has been identified onshore from southern Pinellas to Collier County. Today through Monday patchy very low to low impacts are possible along the coast from southern Pinellas to Collier County, with moderate to high impacts possible in bayside areas of southern Pinellas County. A harmful algal bloom has also been identified in the Florida Panhandle from Bay County east to Levy County. Patchy moderate impacts are possible in Bay and Gulf Counties through Saturday, with patchy very low to low impacts Sunday and Monday. Very low to low impacts are possible in Wakulla and Franklin Counties, with very low impacts possible in Dixie and Levy Counties today through Monday. Dead fish were reported at Lido Beach in northern Sarasota County over the last day. Dead fish smell, while unpleasant, does not produce the same respiratory irritation as red tide.

**Analysis:** A *K. brevis* bloom persists along the Florida panhandle, extending from Bay to Levy County. Satellite imagery analysis is limited as Hurricane Rita passes through the Gulf of Mexico. Recent sampling (September 19; FWC/FWRI) suggests the bloom has dissipated in Dixie and Levy County; no *K. brevis* was found. Several samples throughout Apalachicola Bay contained no *K. brevis* as well; although very low and low counts still remain. Wind transport modeling suggests the bloom may be located 40-70 km west of its previous location on September 18. Strong onshore winds from Apalachicola west to Pensacola will increase impacts at the beach through Saturday in Bay and Gulf Counties. Northerly and westerly transport of the bloom is probable; dead fish and *K. brevis* in the offshore Big Bend region may be transported to the coast over the weekend. Continual reports of discolored water are likely as resuspension arises due to Hurricane Rita.

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1. These data are restricted to civil marine applications only: i.e. federal, state, and local government use/distribution is permitted.
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4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.
Chlorophyll concentration from satellite and forecast winds for September 23, 2005 06Z with cell concentration sampling data from September 9, 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)