Conditions Report
A harmful algal bloom has been identified from southern Pinellas to northern Collier County. The following potential bloom impacts through Sunday are patchy within each county. Southern Pinellas to Sarasota County: Today- High; Friday- Moderate; Saturday and Sunday- Low. Northern Charlotte and Northern Lee: Today- Moderate; Friday- Low; Saturday and Sunday- Very Low. Southern Charlotte and Northern Collier County: Today- Low; Friday through Sunday- Very Low. No impacts expected in Southern Lee County through Sunday.

Analysis
A harmful algal bloom persists alongshore and offshore SW Florida from southern Pinellas to northern Collier County. The bloom has been confirmed onshore as far north as Redington Pier (very low, FWRI, 9/5). *K. brevis* concentrations in the northern to central Pine Island Sound region and in lower Tampa Bay (Skyway Fishing Pier) have increased to medium. Concentrations in Charlotte County have decreased (very low to medium; 9/5), and concentrations in northern Collier County range from low (Clam Pass) to present (FWRI, 9/5). Recent satellite imagery is largely obscured by clouds. As of 9/5, chlorophyll levels continually appeared high (up to 28 µg/L) approximately 10nm southwest of New Pass (27°17’N, 82°46.6’W). Offshore southern Pinellas County, approximately 4nm southwest of Redington Pier (27°49’N, 82°54.8’W), chlorophyll levels are elevated up to 38 µg/L. Results of a wind transport model indicate little net transport of the bloom (2-3 km north) since 9/4. Dead fish and respiratory irritation have been reported over the past few days in southern Pinellas and Sarasota County.

Conditions are slightly favorable for intensification of alongshore bloom concentrations, particularly in regions where *K. brevis* has recently been confirmed offshore and at depth. Mild easterly winds over the next few days should minimize impacts at the coast. Although no extensive change in bloom conditions is expected, slight northern expansion is possible through Monday.

Fisher, Urizar
Satellite chlorophyll image and forecast winds for September 8, 2006 12Z with cell concentration sampling data from August 28-September 1 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).

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).
Wind conditions from Naples, FL

Wind conditions from Egmont Key, FL