

**SOUTHWEST FISHERIES SCIENCE CENTER**  
**FIRST QUARTER REPORT-FY 2002**  
For the Period October 1, 2002 - December 31, 2002

- 1. Submitted by:** John Hunter, Division Director, Fisheries Resources Division
- 2. Title of Accomplishment of Milestone:** Create new time series for hake based on occupation of northern survey lines.
- 3. Current Status:** Developing cruise plan for January 2003 CalCOFI cruises.
- 4. Background Information:** In 1985, for economic reasons, CalCOFI abandoned its occupation of stations along the central California coast and centered the survey on the Southern California Bight. This greatly affected the accuracy of the CalCOFI hake time series since hake spawn extensively along the coast of central California as well as in the Southern California Bight. The January 2003 CalCOFI cruise will be extended north to include this area of historical hake spawning in central California and new indices of hake abundance will be computed that will link surveys of the 1950-1984 era (when central as well as southern California waters were surveyed) to the 2003 survey data. This milestone is completed by posting the new time series on the web.
- 5. Purpose of Activity:** To improve the hake larvae time series.
- 6. Description of Accomplishment and Significant Results:** The cruise is scheduled for February 2003.
- 7. Significance of Accomplishment:** Improvement in the hake abundance time series.
- 8. Problems:** none
- 9. Key Contact:** Richard Charter (858)546-7157