

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-054

MISSION STATUS

Location: Penguin Bank

Mission Date: February 16, 1988

Maximum Depth: 100 m.

Project Title: The Effects of Nutrient Cycling & Fluxes on Fisheries Production in the Penguin Bank Ecosystem

Project Leader: Catherine Agegian

Address: Department of Oceanography
University of Hawaii
1000 Pope Road
Honolulu, HI 96822

Phone: 948-7777

Observer: Fred T. Mackenzie

Address: Department of Oceanography
University of Hawaii
1000 Pope Road
Honolulu, HI 96822

Scientific Data Acquired : Prepare an abstract outlining your objectives, techniques, findings, etc.

The main objective of the dive was to locate and recover three thermographs which were deployed in May 1987. We were unable to locate the instruments because of the failure of two electronic pingers which are used to direct the submersible to the sites of interest. We conducted an experiment to test the effect of currents passing over the top of a sediment trap tube on mixing processes inside the tube. Hypersaline solution (55 ppt) with flourescin dye was put into the tube which was attached vertically, with the bottom capped, to the submersible.

DATA RELEASE

Data may be retained by the project leader for up to 2 years after the mission date with the following exception. NOAA may request to use photos for publication or publicity purposes at any time.

Fill in the appropriate statement below and sign this form.

I hereby release the data archived by HURL for public consumption following mission Nutrient Cycling & Flux on Penguin Bank (project title) held on February 16, 1988 (date) in the following way:

- a. CTD data by 2/89 (date)
- b. voice transcripts, video, and still camera film by 2/89 (date)
- c. other _____ (date)
- d. I will give my written consent to individuals wishing to use these data prior to the above dates depending on the nature of the request(s).

Project Leader