

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-220

## MISSION STATUS

Location: Penguin Bank  
Mission Date: September 17, 1992  
Maximum Depth: 600 meters  
Project Title: Carbonate Geochemistry  
Project Leader: Fred T. MacKenzie  
Address: 1000 Pope Road  
Department of Oceanography  
University of Hawaii  
Honolulu, HI 96822  
Phone: 956-6344  
Observers: Miriam Bertram and Fred MacKenzie  
Address: same as above  
Phone: 956-5963 (Bertram)

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

Objectives were to retrieve experimental trays consisting of  $\text{CaCO}_3$  surfaces from 600 and 300 meters on the slopes of Penguin Bank. Water, sediment, and rock samples were also to be acquired to characterize the environment.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Helle pinger marking the 300 meter site apparently malfunctioned - it should have lasted 3 years - but was only underwater for 1 month. We were not able to locate the site w/o any means of tracking it.

Recommendations for corrective action or improvement:

In the future, never use pingers - transponders work much better!

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished.

No, we were not able to locate either site.

List specimens or samples collected on the mission.

None.

## 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 P5-220; Carbonate Geochemistry (project title) held on September 17, 1992 (date) in the following way:

- a. CTD data by September 1994 (date)
- b. voice transcripts, video, and still camera film by September 1994 (date)
- c. other September 1994 (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).

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Project Leader