

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-219

## MISSION STATUS

Location: Penguin Bank  
Mission Date: September 15, 1992  
Maximum Depth: 1900 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 for MacKenzie  
Phone: 956-5963 (Bertram)

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

To evaluate the extent of dissolution of various carbonates placed on the seafloor last year. We also plan to evaluate the observed dissolution as it relates to sediment and bottom water composition. We planned to retrieve one tray (of two) from each of 1865 and 1300 meters, sample surface sediment, and obtain water samples in Niskin bottles.

## MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Were unable to locate the second site before battery power was too low to continue.

Recommendations for corrective action or improvement:

None.

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

Not completely. The primary goals were to obtain the trays from 1865 and 1300 meters. We only obtained the tray at 1865 meters.

List specimens or samples collected on the mission.

- 1 experimental tray
- 1 small basalt rock
- 1 sediment sample
- 2 crinoids
- 2 5-liter Niskin bottles of water, one each from 1865 and 1300 m.

## 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 P5-219 Carbonate Geochemistry  
(project title) held on September 15, 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).

---

Project Leader