

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-189

## MISSION STATUS

Location: Penguin Bank  
Mission Date: Sept. 27, 1991  
Maximum Depth: 2000m  
Project Title: Carbonate Geochemistry  
Project Leader: F. Mackenzie  
Address: 1000 Pope Rd.  
Dept. of Oceanography  
Univ. of Hawaii  
Honolulu, HI 96822  
Phone: 956-5963  
Observers: Chris Wilson, Miriam Bertram  
Address: Same as above

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

Deployment of 2 experimental trays at approximately 1800 meters, Niskin bottle sampling, sediment sampling - same at 1300 meters. Experimental substrates on trays will be examined for signs of  $\text{CaCO}_3$  dissolution - extent of dissolution, etc. and compared with water chemistry to attempt to define the lysocline for different carbonates. Comparison of these parameters with existing sediment will be made.

## 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 Carbonate Geochemistry  
(project title) held on September 27, 1991 (date) in the following way:

- a. CTD data by September 1993 (date)
- b. voice transcripts, video, and still camera film  
by September 1993 (date)
- c. other September 1993 (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