

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-240

## MISSION STATUS

Location: Loihi Seamount (Pele's Vents)  
Mission Date: September 3, 1993  
Maximum Depth: ~1025 m  
Project Title: Microbial diversity at Loihi Seamount  
Principal Investigator: Fred Dobbs and Dave Karl  
Address: University of Hawaii  
Dept. of Oceanography  
1000 Pope Road  
Honolulu, HI 96822  
Phone: (808) 956-6050 (C. Moyer)  
Observers: C. Moyer and J. Christian  
Addresses: Same as above

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

Locate and collect 2 slide sticks deployed on previous dive series. Deploy baited shrimp trap. Deploy 4 pyrex wool mat collection devices, 1 with pyrite nodule. Deploy 5 MTRs (miniature temperature recorders) and check each temperature with thermistor probe for baseline. Use rosette sampler and baggie sampler to collect mat material. Collect mat-covered rocks.

## MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Transient electrical failure near end of dive.

Recommendations for corrective action or improvement:

Dive was aborted by pilot for safety reasons.

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

Yes, except no rocks were collected due to abort.

List specimens or samples collected on the mission.

7 rosette cups and 3 baggies filled with mat material  
2 slide sticks from previous dive were recovered

## 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 Microbial diversity at Loihi Seamount (project title) held on September 3, 1993 (date) in the following way:

- a. CTD data by September 3, 1995 (date)
- b. voice transcripts, video, and still camera film by September 3, 1995 (date)
- c. other September 3, 1995 (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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Principal Investigator