

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-246

MISSION STATUS

Location: Pele's Vents - Loihi Seamount
Mission Date: September 17, 1993
Maximum Depth: ~985 meters
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: 956-6050
Observers: Craig Moyer
Addresses: Same as above

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

Collected 8 buckets of microbial mat material with rosette sampler. Collected with La Bomba gas tight water sampler, 2 Lupton type water samplers and 2 major titanium water samplers. Triggered 3 Niskin bottles (5 liters each). Recovered 3 miniature temperature recorders. Recovered 4 glass wool microbial enrichment traps. Deployed 1 baited shrimp trap.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None! Excellent dive.

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.

Yes, all expected work was successfully accomplished.

List specimens or samples collected on the mission.

- 3 Niskin bottles
- 2 Lupton samplers
- 2 Major samplers
- 1 La Bomba sampler
- 3 MTR's
- 8 Rosette buckets of microbial mat
- 4 glass wool microbial enrichment traps

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 17, 1993 (date) in the following way:

- a. CTD data by September 17, 1995 (date)
- b. voice transcripts, video, and still camera film by September 17, 1995 (date)
- c. other September 17, 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).

Principal Investigator