

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-247

## MISSION STATUS

Location: Pele's Vents and 1000 Finger Vent field at  
Loihi Seamount

Mission Date: September 19, 1993

Maximum Depth: 1200 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

Observers: Craig Moyer and Louie Tupas

Addresses: Same as above

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

Collected microbial mat samples from boulder field at Pele's Vents and from rim of North East Pit Crater near 1000 Fingers Vent field. Also collected water samples from boulder field at Pele's Vents using 3 major samplers, 1 La Bomba sampler and 3 Niskin bottles. Recovered 1 shrimp trap and 4 glass wool microbial enrichment chambers from Pele's Vents.

## MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None. Terrific 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, primary objective of collecting multiple microbial mat samples was achieved using Rosette sampling apparatus. Secondary objectives of collecting water samples, recovering glass wool chambers and shrimp trap were also successful.

List specimens or samples collected on the mission.

- 4 Rosette buckets from Pele's Vents
- 4 Rosette buckets from 1000 Fingers
- 3 Niskin bottles from Pele's Vents
- 3 Major samples
- 1 La Bomba sampler
- Recovered 1 shrimp trap
- Recovered 4 glass wool chambers

## 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 19, 1993 (date) in the following way:

- a. CTD data by September 19, 1995 (date)
- b. voice transcripts, video, and still camera film by September 19, 1995 (date)
- c. other September 19, 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