

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-198

## MISSION STATUS

Location: Loihi  
Mission Date: October 22, 1991  
Maximum Depth: 1250 meters  
Project Title: Loihi Hydrothermal Vents  
Project Leader: A. Malahoff  
Address: Dept. of Oceanography  
University of Hawaii  
1000 Pope Road  
Honolulu, HI 96822  
Phone: 956-6802  
Observers: Todd Berggren, A. Malahoff  
Address: PMEL/NOAA, Seattle

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

The objectives were to deploy the Bottom Pressure Recorder on Pele's Vent cone and then traverse along the Eastern Margin of Loihi to observe the recently discovered "Maximilian" vents which were found to be inactive during this dive, while vents above the field on the ridge at 1050 meters were active.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None. Sub functioned perfectly.

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.

All mission objectives were fulfilled.

List specimens or samples collected on the mission.

Two rocks.

## 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 Loihi Hydrothermal Vents  
(project title) held on October 22, 1991 (date) in the following way:

- a. CTD data by 10-22-93 (date)
- b. voice transcripts, video, and still camera film  
by 10-22-93 (date)
- c. other 10-22-93 (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