

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-109

MISSION STATUS

Location: Loihi, Hawaii
Mission Date: September 17, 1988
Maximum Depth: 1310 meters
Project Title: Hydrothermal Fields
Project Leader: Dr. Alexander Malahoff
Address: Department of Oceanography
University of Hawaii
1000 Pope Road, MSB 319
Honolulu, Hawaii 96822
Phone: (808) 948-6802
Observers: A. Malahoff, V. Ginster
Address: Department of Oceanography
University of Hawaii
1000 Pope Road, MSB 319
Honolulu, Hawaii 96822

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

The mission of this dive was to sample the waters of the Pele's Death Pits and take oxygen and temperature measurements within the Death Pit. Oxygen proved to be zero, the Death Pit water temperature was elevated 1 degree Celsius. An expanse of altered rock with disseminated polymetallic sulfides was sampled within the northern wall of the pit crater. The dive was terminated at Pele's vents.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None.

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.

List specimens or samples collected on the mission.

Rocks, water, sulfides.

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 Hydrothermal Fields
(project title) held on September 17, 1988 (date) in the following way:

- a. CTD data by September 17, 1990 (date)
- b. voice transcripts, video, and still camera film
by September 17, 1990 (date)
- c. other September 17, 1990 (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).

Project Leader