

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-222

MISSION STATUS

Location: Loihi Summit
Mission Date: September 24, 1992
Maximum Depth: 1300 meters
Project Title: Vent Monitoring
Project Leader: Alexander Malahoff
Address: Dept. of Oceanography
University of Hawaii
1000 Pope Road
Honolulu, HI 96822
Phone: (808) 956-6802
Observers: Amy Baylor, A. Malahoff
Address: Same
Phone: (808) 956-7402

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

Re-map location of Ocean Bottom Observatory, take CTD and water samples from Pele's Vents and from Pele's Pit. Vents at Pele's vents were weakly active. Vents at NE Pele's field very active. Vents at NE field were seen to be very active with open vents as well as venting from chimneys. Fresh venting was observed along traverse from Pele's cone to Pele's Pit. Sampled 4 Niskin bottles of vent water from Peles, NE, and Pele's Pits. Sampled a rotallid at Pele's vents and four rock samples. Pele's Vents, N.E. Vents will make good sites for permanent monitoring observations.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None. All systems operational for the five-hour 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.

List specimens or samples collected on the mission.

- 4 Niskin bottles - bottom water
- 3 mini Niskins from Pele's, NE, and slopes of Pits

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 Vent Monitoring
(project title) held on September 24, 1992 (date) in the following way:

- a. CTD data by September 1993 (date)
- b. voice transcripts, video, and still camera film by immediately (date)
- c. other _____ (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