

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-196

MISSION STATUS

Location: Pele's Vents at Loihi Seamount
Mission Date: October 18, 1991
Maximum Depth: 1200 meters (approximately)
Project Title: Microbial Mats of Pele's Vents
Project Leader: D. Karl
Address: Dept. of Oceanography
University of Hawaii
1000 Pope Road
Honolulu, HI 96822
Phone: 956-6896
Observers: Fred Dobbs, Craig Moyer
Address: Same as above

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

Sampled several mat covered rocks and also used baggie sampler to get mat material. On this dive rock samples were scraped and washed and mat material was quick frozen on dry ice. One slide stick (#2) was deployed (n=4 on bottom).

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Still camera strobe did not function.
Hi-8 was unable to focus properly.

Recommendations for corrective action or improvement:

Fix when able.

In your opinion, did the mission essentially achieve its purpose?
Compare actual work accomplished with the work that was expected
to be accomplished.

Yes, this dive was the perfect finale to this set of 4
dives. Many excellent rocks were sampled. Much was learned
about the terrain around Pele's Vents.

List specimens or samples collected on the mission.

Mat covered rocks
Baggie samples of loose mat material
Nautilus shell.

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 Mats of Pele's Vents
(project title) held on October 18, 1991 (date) in the following way:

- a. CTD data by October 18, 1991 (date)
- b. voice transcripts, video, and still camera film
by October 18, 1991 (date)
- c. other October 18, 1991 (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