

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-341

MISSION STATUS

Location: Loihi Seamount, Pele's Pit

Mission Date: Sept.20, 1997

Maximum Depth: 1328 m.

Project Title: Chemical Monitoring of Hydrothermal Vents on Loihi Seamount, Hawaii

Principal Investigator: Gary M. McMurtry

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Honolulu, HI 96822

Phone: (808)956-6568

Observer 1: Max Cremer

Observer 2: Tym Catterson

Address: as above

Address: HURL

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

Primary objective: Recover Hawaii Chemical Monitoring Station (HCMS).

Secondary objective: Take as many water, rock, and biological samples as possible.

For details see attached.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

In strong currents the thrusters are a bit wimpy.

Recommendations for corrective action or improvement:

Install beefier thrusters !

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

This, in my opinion, was a flawless dive. We accomplished all our objectives and more under difficult conditions.

List specimens or samples collected on the mission.

See attached

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

Chemical Monitoring of Hydrothermal Vents on Loihi Seamount, Hawaii (project title)

held on Sept.20, 1997 (date) in the following way:

- a. CTD data by 9-20-99 (date)
- b. voice transcripts, video, and still camera film by 9-20-99 (date)
- c. other 9-20-99 (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).

Principal Investigator