

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-333

MISSION STATUS

Location: Loihi

Mission Date: Sept.3, 1997

Maximum Depth: 1242 m.

Project Title: Loihi 1996 Eruption

Principal Investigator: Mike Garcia

Address: Geology and Geophysics Dept.
University of Hawaii
Honolulu, HI 96822

Phone: 956-6641

Observer 1: M. Garcia

Observer 2: (Tym Catterson)

Address:

Address:

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

Objective is to determine what happened during the 1996 eruption(s) of Loihi. We planned to access what happened by surveying potential eruption site. This dive was intended to explore the potential source for abundant flockulant that was observed on the east side of Loihi during dive 330 and to generally explore the east flank of the summit platform.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

none

Recommendations for corrective action or improvement:

not applicable

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

Yes and no. We did not find the source of the bacterial mat debris on the east side of Loihi. We assume it is reworked material but a source on the steep E flank of Loihi cannot be excluded. We were able to explore a large region on the east flank of the summit platform. One sand sample did have very young-looking glass that might have been erupted in 1996.

List specimens or samples collected on the mission.

- 2 - sand samples
- 1 - clay sample (given to Malahoff)
- 5 - "rock" samples, 3 of which are poorly lithified sediments

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 1996 Eruption (project title)

held on Sept.3, 1997 (date) in the following way:

- a. CTD data by Sept.3, 1998 (date)
- b. voice transcripts, video, and still camera film by Sept.3, 1998 (date)
- c. other none (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