

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-063

MISSION STATUS

Location: Alenuihaha Channel - Maui Slope - cable dive in narrow gate area

Mission Date: May 23, 1988

Maximum Depth: 1350 m

Project Title: Hawaii Deep Water Cable Route Survey

Project Leader: Dr. Alexander Malahoff

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

The purpose of the dive was to investigate a narrow passage on the Maui slope at a depth of about 1200 m for the possible passage of a power cable. The passage turned out to be a sand chute flanked on both sides by old coral reef outcrops. The reef outcrops were several meters in height. Several adjacent geological structures were investigated. These had been recorded as reflectors on side-scan sonar records. They also turned out to be highly weathered submerged reefs. At various points off the prime cable route the bottom was strewn with rounded basaltic boulders about 1 foot in diameter. Two samples were collected.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None

Recommendations for corrective action or improvement:

Add a carbon dioxide meter inside the submarine.

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

Mission was fully successful.

List specimens or samples collected on the mission.

2 basaltic rock samples.

-both samples were loose at the bottom of slopes:

Sample 1-round massive basalt

Sample 2-weathered vesicular basalt with coral growth and agglutinated bivalves.

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 "Hawaii Deep Water Cable Route Survey" (project title) held on May 23, 1988 (date) in the following way:

- a. CTD data by May, 1989 (date)
- b. voice transcripts, video, and still camera film by May, 1989 (date)
- c. other May, 1989 (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