

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-289

MISSION STATUS

Location: Submarine north flank of Molokai

Mission Date: Aug. 30, 1996

Maximum Depth: 1450 m

Project Title: Extent and depth of landsliding, north flank of Molokai

Principal Investigator: Robin T. Holcomb

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Observer 1: Bruce Nelson

Observer 2: Uri Ten Brink

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Address: USGS
WHOI

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

Primary objective was to collect *in-situ* basalt samples from a 200-300 m cliff face, at depths of ~1450 m to 1200 m. Secondary objectives were a) to recalibrate magnetometer in its new position on the sub, b) record spot magnetometer readings during sample collection, c) contour in SE direction along cliff at ~1200 m, collecting samples.

Both primary and secondary objectives were completed. Nine samples were collected, a good magnetometer calibration was obtained, and during a traverse at 1300 m, additional samples were collected.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None: new position of magnetometer is good and will remain. Number of collected samples somewhat reduced because of unexpectedly severe weathering of basalt, and difficulty in finding unaltered outcrop, but efficient piloting compensated by covering more area than expected.

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, both primary and secondary objectives achieved.

List specimens or samples collected on the mission.

8 basalt samples, 1 carbonate sample

PV 289-1 through PV 289-9

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

Extent and depth of landsliding on the north flank of Molokai (project title)

held on Aug. 30, 1996 (date) in the following way:

- a. CTD data by (none collected) (date)
- b. voice transcripts, video, and still camera film by 9/30/97 (date)
- c. other 9/30/97 (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).

Robin T. Holcomb Principal Investigator