

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-292

MISSION STATUS

Location: North of East Molokai, along 156°45' W

Mission Date: September 2, 1996

Maximum Depth: 1807 m

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

Principal Investigator: Robin T. Holcomb

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School of Oceanography, Box 357940
University of Washington
Seattle, WA 98195

Phone: (206)543-5274

Observer 1: Uri Ten Brink

Observer 2: David McGee

Address: USGS - Woods Hole
Quissett Campus
Woods Hole, MA 02543

Address: 300 N. College St.
Northfield, MN 55057

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

The objective of this dive was to carry out a long vertical magnetic traverse from ~1850 m depth to ~1150 m depth cutting across a hypothesized change in polarity of the magnetic field across different volcanic flows. This objective was carried out by traversing up along a narrow ridge (as narrow as 5 m) and measuring the X and Z components of the magnetic field. We found little change in the Z component of the magnetic field with a possible increase at ~1450 m followed by a decrease toward the top of the section.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None

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.

The mission achieved its purpose. We measured the field from depth of 1807m to 1137m. In the time left we moved to the edge of the ridge and sampled and documented cliffs at depths of 1230 - 1172m. This section augments the knowledge gathered by previous dives about the extent of the highly weathered basalt-looking layer.

List specimens or samples collected on the mission.

Sample #1 - mud stone from basalt-looking cliff.
Local time 15:00; depth 1178m.

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 September 2, 1996 (date) in the following way:

- a. CTD data by 9-30-96 (date) (none collected)
- 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