

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-182

MISSION STATUS

Location: SW Rift Zone, Mauna Loa
Mission Date: Sept. 8, 1991
Maximum Depth: 1870m
Project Title: Mauna Loa SW Rift
Project Leader: Michael Garcia
Address: Geology - Geophysics Dept.
University of Hawaii
Honolulu, HI 96822

Phone: 956-6641
Observers: Michael Garcia and Peter Lipman
Address: Peter Lipman
USGS
Menlo Park, CA 94025

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

8 Rocks of basalt

We collected rocks from near the base of the submarine extension of the Kahuku Pali fault. These may be the oldest rocks exposed anywhere on the volcano. These rocks will be age-dated and chemically analyzed to compare with subaerially collected Mauna Loa basalts.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Perfect dive until hydraulic system failed.

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. Lower slope was covered with talus and fine white sediment, but we eventually reached outcrops of pillow lavas and dikes.

List specimens or samples collected on the mission.

8 samples of basalts.

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 SW Rift Zone, Mauna Loa
(project title) held on Sept. 8, 1991 (date) in the following way:

- a. CTD data by _____ (date)
- b. voice transcripts, video, and still camera film
by Sept. 9, 1991 (date)
- c. other Sept. 9, 1991 (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