

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO.P5-160

MISSION STATUS

Location: Mahukona
Mission Date: October 8, 1990
Maximum Depth: 1515 m.
Project Title: Petrology of Mahukona Seamount
Project Leader: Dr. Mike Garcia
Address: Geology & Geophysics Department
University of Hawaii
Honolulu, HI 96822
Phone: 956-6641
Observers: Dr. Mark Kurz, Dr. Mike Garcia
Address: Chemistry Department
Woods Hole Oceanographic Institute
Woods Hole, MA 02543

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

Objective: to examine the SE ridge and summit of Mahukona and collect lava samples.

Results: The SE ridge is a constructional high (i.e. rift zone) The summit is more of a peak than a ridge (as indicated by Seabeam).

8 lava samples were collected from 1075 to 1515 m. along the SE ridge. All were taken in place.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No cameras or sonar

Recommendations for corrective action or improvement:

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

Yes. Mission was very successful. All objectives were
accomplished.

List specimens or samples collected on the mission.

8 lava samples

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 Petrology of Mahukona
(project title) held on October 8, 1990 (date) in the following way:

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