

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO.P5-159

## MISSION STATUS

Location: Mahukona  
Mission Date: October 6, 1990  
Maximum Depth: 1975 m.  
Project Title: Petrology of Mahukona Lavas  
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

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

To determine the origin of the SW ridge and to sample lavas. Six samples were collected: 4 are lavas, 2 are sponges which were mistaken for lavas. They are Mn-coated as the lavas are. The ridge was difficult to find. Once found, we had trouble following it. Found a couple of highs along ridge that were probably vents. More work needed.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Late start time due to problems getting over dive site.  
Sonar not working so ridge was difficult to find. Video and  
still camera not working.

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.

Marginal. Too few samples and too little of the ridge seen.

List specimens or samples collected on the mission.

4 lava samples collected  
2 sponge samples collected

## 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 6, 1990 (date) in the following way:

- a. CTD data by None collected (date)
- b. voice transcripts, video, and still camera film  
by October 1991 (date)
- c. other none (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).

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Project Leader