

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-065

MISSION STATUS

Location: 20 degrees 10', 156 degrees 20'
Mission Date: June 2, 1988
Maximum Depth: 1495 m.
Project Title: Hualalai Rift Zone
Project Leader: J.G. Moore
Address: U.S. Geological Survey, MS-910
Menlo Park, CA 94025

Phone: (415) 329-5244
Observers: Dave Clague
Address: U.S. Geological Survey, MS-910
Menlo Park, CA 94025

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

Chief purpose of dive was to inspect 1300 m. break in slope on Mahukona volcano to determine origin and age. Found 50 ft. thick beach deposits with associated sands containing shell fragments. This organic material can probably be radiometrically dated, thus defining when Mahukona volcano stood above the sea before its subsidence to the present level.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Failed to insure good video coverage of all samples before putting in basket.

Recommendations for corrective action or improvement:

Easily corrected by getting good video of each sample and transferring tape when leaving sub so that samples can be positively sorted out on return from dive site.

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. Nine samples collected. Definite sea level features confirmed on Mahukona volcano at depth of 1300 m. - documenting that amount of regional subsidence.

List specimens or samples collected on the mission.

1. vesicular lava
2. hyaloclastite
3. hyaloclastite
4. calcarenite
5. dense lava
6. dense lava
7. lava
8. {A calcarenite
{B lava

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 Hualalai Rift Zone
(project title) held on June 3, 1988 (date) in the following way:

- a. CTD data by June 3, 1990 (date)
- b. voice transcripts, video, and still camera film
by June 3, 1990 (date)
- c. other June 3, 1990 (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