

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-406

MISSION STATUS

Location: Pololu Landslide, Kohala

Mission Date: 10/23/88

Maximum Depth: 1869 m

Project Title: Geologic history of Kohala Volcano

Principal Investigator: David Clague

Address: MBARI, P.O. Box 628, Moss Landing, CA 95039

Phone: 831-775-1781

Observer 1: David Clague

Observer 2: John Smith

Address: same

Address: SOEST, UH

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

The objective of the program is to outline the geologic history of the Pololu landslide on Kohala Volcano and to determine the composition of early Kohala lavas to compare to those that form the Hilo Ridge to ascertain if the Hilo Ridge is a Kohala rift zone instead of Mauna Kea's rift zone. This second dive of three collected numerous samples of dense, glossy basalt lava from two cones - one flat-topped and one conical. We also found and recovered additional ash and hyaloclastite outcrops. These samples will help characterize the eruptions that took place before the Pololu landslide.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Side-looking sonar crashed and took 5 minutes to bring back on line
This unit is not ideal to this type of mapping in old volcanic terrain that
is largely buried in sediment.

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.

Mission was successful and accomplished all goals. We completed sampling of two cones - one a flat-topped "pancake volcano" and the other a conical cone.

List specimens or samples collected on the mission.

17 rock samples
2 sediment scoops

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

History of Kahauleu Volcano (project title)

held on 10/23/98 (date) in the following way:

- a. CTD data by NA (date)
- b. voice transcripts, video, and still camera film by 10/23/00 (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).

David Clopez Principal Investigator