

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-026

MISSION STATUS

Location: East of Kohala Volcano

Mission Date: Oct 23, 1998

Maximum Depth: 560 m

Project Title: 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 Manoa

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

Principal objective was to examine the canyon system immediately offshore Kohala Volcano to the east. These canyons are carved in a carbonate platform deposit and thus formed below sealevel. The DOV video shows that areas with high backscatter in the SIMRAD EM-300 survey consist of carbonate hard pan whereas areas of low backscatter consist of rippled carbonate sand. The canyon walls are near-vertical and show many truncated layers of carbonate - which appears to be cemented carbonate sands rather than reef debris.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Dive ended after 5 1/4 hours when magnetic compass failed and ROV lost its bearings. Otherwise, system performed well and was well-flown.

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 very successful and nearly all objectives were met, despite the truncated dive plan. We did not get to look at a large carbonate block that had slid down the slope.

List specimens or samples collected on the mission.

N/A

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 Kihala Volcano (project title)

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

- a. CTD data by MA (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 Coque Principal Investigator