

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-191

MISSION STATUS

Location: West of Lanai, Hawaii
Mission Date: October 5, 1991
Maximum Depth: 1145 meters
Project Title: Submerged reefs west of Lanai
Project Leader: James G. Moore
Address: U.S. Geological Survey
MS-910
Menlo Park, CA 94025
Phone: (415) 329-5244
Observers: James Anderson
Address: University of Hawaii at Hilo
Hilo, Hawaii 96720

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

The dive began at 1145m, climbed the west face of the 1000m reef, continued up the overlying patch reef cresting at 750m, then back down the east side of the patch reef to its east base, and on northeastward across the reef top for 2 km to the base of the continuous 750m reef face and up this reef face to its upper surface. Seven samples were collected for radiometric dating.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Almost all 35mm transparencies underexposed.

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.

The mission failed in its purpose because only 1 of 4 dives was made. Only two of 6 reefs were sampled, and the planned sampling of the same reef in more than one place was not accomplished.

This one dive was, however, was well-conducted and successful.

List specimens or samples collected on the mission.

	<u>Depth, m</u>	
1	985	coral
2	970	coral
3	925	coral
4	880	coral
5	805	coral
6	895	coral
7	845	coral

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 Submerged reefs west of Lanai
(project title) held on October 5, 1991 (date) in the following way:

- a. CTD data by October 5, 1993 (date)
- b. voice transcripts, video, and still camera film
by October 5, 1993 (date)
- c. other October 5, 1993 (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