

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-297

MISSION STATUS

Location: Lanai slope

Mission Date: Sept. 11, 1996

Maximum Depth: 1305 m

Project Title: Age dependent mixing of deep-sea sediments

Principal Investigator: Craig R. Smith

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Observer 1: Bryce Glaser

Observer 2: Marian Westley

Address: same

Address: same

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

Our plan was to reach bottom around 1200 m depth, collect two 20 x 20 cm Ekman cores at random locations, collect 3 pairs of tube cores in 3 pits, and conduct a photosurvey. An operations went very well, except that the sediment cores penetrated poorly because of the stiffness of the sediment. We also planned to collect large, deposit-feeding megafauna, and collected two Enypniastes.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Again, the only limitation is that it would be useful to have calibrated positions for the external 35 mm camera so that quantitative photosurveys can be done easily.

Recommendations for corrective action or improvement:

Set up a calibration system for the still camera. It would also be useful to have the still camera take photographs at timed intervals automatically (e.g. every 15 sec.).

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished.

The dive was very successful, and the whole operation was very smooth. The HURL and ship crew are a pleasure to work with.

List specimens or samples collected on the mission.

2 Ekman cores (20 x 20 cm)
6 tube cores (7.5 cm diameter)
2 Enypniastes
Photo transect (~ 25 frames)

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

Age dependent mixing of deep-sea sediments (project title)

held on 9/11/96 (date) in the following way:

- a. CTD data by 9/30/96 (date)
- b. voice transcripts, video, and still camera film by 9/30/96 (date)
- c. other 9/30/96 (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).

Principal Investigator