

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-296

MISSION STATUS

Location: Lanai slope, 20°47.5' N, 157°10' W

Mission Date: Sept. 10, 1996

Maximum Depth: 1198 m

Project Title: Age dependent mixing of deep-sea sediments

Principal Investigator: Craig R. Smith

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Observer 1: Craig Smith

Observer 2: Robert Miller

Address: same

Address: same

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

Our objectives were to locate a flat plain of silt-clay sediments, collect 2 Ekman cores in the background community (level seafloor), collect 3 pairs of tube cores from three decimeter scale depressions, collect large, deposit-feeding megafauna for gut content analyses, and conduct a photosurvey for megafauna. We collected all core samples, although the Ekman cores were somewhat shallow due to a consolidated layer of clay at ~10cm. The phototranssect was very short, because we ran out of dive time. We collected 4 large deposit-feeders.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

The dive went very smoothly without any significant problems.

Recommendations for corrective action or improvement:

It would be useful to have a position in which the still camera can be fixed for photosurveys (This would allow construction of a quantitative perspective grid).

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 essentially fully successful, although the photosurvey was abbreviated due to a late start (caused by weather).

List specimens or samples collected on the mission.

- 1 large asteroid
- 2 large white holothurians
- 1 large Enyppn iastes
- 2 20 x 20 cm Ekman cores
- 6 7.5 cm diameter tube cores

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 9/10/96 (date) in the following way:

- a. CTD data by 9/10/96 (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