

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P-5128

MISSION STATUS

Location: Cross Seamount
Mission Date: November 1, 1989
Maximum Depth: 490 m.
Project Title: Ecology of Hawaiian Seamounts
Project Leader: Alex Malahoff/ Richard Grigg
Address: MSB 303
Dept. of Oceanography, University of Hawaii
Honolulu, HI 96822

Phone:

Observers: P.A. Verlaan

Address: MSB 618, Dept. of Oceanography as above

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

Obj.: Collection of settlement experiments to assess recruitment on manganese crust and basalt samples.

Findings: Very low recruitment of macro-invertebrate sessile organisms.
3 serpulid polychaete worms on Mn
1 sponge on basalt
agglutinating foraminifera: B1; Mn 5
other benthic foraminifera: B0; Mn 7
The micro-invertebrates are being examined by a colleague.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Manipulator arm uncooperative - turned over one tray and 3 samples were lost in the sediments. Unable to control arm to retrieve.

Recommendations for corrective action or improvement:

Repair arm.

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

We collected one set of trays but surfaced early without being able to collect the other sets as it was imprudent to use the arm anymore.

List specimens or samples collected on the mission.

Two settlement trays at 460 m. placed there 15 months ago.
Total # of samples: B: 20, Mn: 18. Total # of samples with organisms: B: 2, Mn: 8.

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 Ecology of Hawaiian Seamounts
(project title) held on Nov. 1, 1989 (date) in the following way:

- a. CTD data by ---- (date)
- b. voice transcripts, video, and still camera film
by Nov. 1, 1991 (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).

Project Leader
(Observer on dive)