

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-192

MISSION STATUS

Location: Cross Seamount
Mission Date: October 9, 1991
Maximum Depth: 1985 meters (approximately)
Project Title: Microbial Geochemistry of Ferromanganese Crusts
Project Leader: J. Cowen
Address: 1000 Pope Road
Dept. of Oceanography
University of Hawaii
Honolulu, HI 96822
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Observers: Colleen Allen
Mimi Bertram
Address: Same as above

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

Deployment of 4 experimental trays - 2 at approximately 2000 meters, the second 2 at approximately 1300 meters on the slope of Cross Seamount. Surface sediment was sampled at 1985 meters, Niskin water samples were taken at both sites. A single marker was set at the second site, and a transponder is attached to a tray at the first site. After approximately 6 months and again after approximately 1 year, we hope to retrieve 1 tray from each depth. (Two Manganese-encrusted rocks were obtained at each depth - one for A. Malahoff from each depth).

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

After the second set of trays were set down, the Schilling arm failed - could not acquire the second sediment sample and had to trigger the second Niskin bottle non-traditionally

Recommendations for corrective action or improvement:

Not qualified to comment.

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

Yes, the primary goal was to set these trays out at specific depths. This was accomplished.

List specimens or samples collected on the mission.

Surface sediment
Water
Ferromanganese rocks.

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 P5-192, Microbial Geochemistry of Fe-Mn Crusts (project title) held on October 9, 1991 (date) in the following way:

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