

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-205

MISSION STATUS

Location: Cross Seamount
Mission Date: August 8, 1992
Maximum Depth: 975 m
Project Title: Microbial Geochemistry of FeMn Crust
Project Leader: J. Cowen
Address: 1000 Pope Road
Dept. of Oceanography
University of Hawaii
Honolulu, HI 96822
Phone: (808) 956-5963 or 7816
Observers: J. Tribble, M. Bertram
Address: Same as above

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

Objectives: To retrieve an experimental tray with transponder from 975 meters and retrieve a second tray from 800 m. Water samples (Niskin bottles which were tripped by the sub arm) were obtained from each site for later analysis in the lab. Sediment samples were also obtained using sediment scoopers. We also collected biological specimens and FeMn rocks for other researchers. Findings will be available upon sample processing.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Strobe on the still camera and therefore the still photos, only worked occasionally. Few slides were obtained.

CTD was unavailable.

Recommendations for corrective action or improvement:

Unable 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, samples were collected, retrieved and experiments deployed successfully. The CTD data is lacking and is an important piece of information.

List specimens or samples collected on the mission.

- 3 - FeMn crust samples
- 3 - biological specimens
- 2 - sediment samples
- 2 - water samples (5 liters)
- 2 - experimental racks

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 P5-205, Microbial Geochemistry of FeMn Crust (project title) held on August 8, 1992 (date) in the following way:

- a. CTD data by August 1994 (date)
- b. voice transcripts, video, and still camera film by August 1994 (date)
- c. other August 1994 (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