

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-258

MISSION STATUS

Location: Cross Seamount
Mission Date: October 25, 1993
Maximum Depth: 975 meters
Project Title: Microbial Geochemistry of FeMn Crust
Principal Investigator: Jim Cowen
Address: University of Hawaii
Department of Oceanography
1000 Pope Road
Honolulu, HI 96822
Phone: (808) 956-7124
Observers: Miriam Bertram, Don McGee
Addresses: Same as above

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

Primary objectives - deployment of a long-term experiment and locator device appropriate for >2 years (transponder battery lifetime ~2 years). Deployed at 975 m site which has been the site of other time interval experiments.

Secondary objectives - deploy mineral dissolution experiment at 975 m, to be retrieved at earliest possible time. Trial run of midwater aggregate samplers to study composition (chemical, physical) of water column aggregates.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None.

Recommendations for corrective action or improvement:

N/A.

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

Yes. All goals were met. Aggregate samplers can be used by the PISCES in its current configuration - a different sampler arrangement would ease sampling.

List specimens or samples collected on the mission.

~5 benthic animals
1 rock for A. Malahoff
2 midwater particulates

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 Microbial Geochemistry of FeMn Crusts (project title) held on October 25, 1993 (date) in the following way:

- a. CTD data by October 1995 (date)
- b. voice transcripts, video, and still camera film by October 1995 (date)
- c. other October 1995 (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