

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-238

MISSION STATUS

Location: Cross Seamount
Mission Date: August 29, 1993
Maximum Depth: 1610 meters
Project Title: Effects of limited dispersal on population genetics of seamount benthos
Principal Investigator: Lauren Mullineaux, Scott France
Address: Woods Hole Oceanographic Institution
Woods Hole, MA 02543
Phone: (508) 457-2000
Observers: Ewann Agenbroad
Addresses: Same as above

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

This was our 4th and final dive with the objective of collecting deep-sea benthos, primarily gorgonian corals, for use in a population genetic study. The goal of this dive was to collect individuals (or portions thereof) on a south-central ridge of Cross Seamount between 1500 meters and 1000 meters. Collecting involved use of nets (see Quick Look Report Mission No. P5-235), Schilling and HYCO arms, and PVC collection box. Fauna collected was documented using video and still photography. 14 coral specimens were collected.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

N/A

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.

We were looking for a greater diversity of some coral species but could not locate them; however, this is, of course, no reflection on the sub operations but on the distribution of the organisms themselves.

List specimens or samples collected on the mission.

6 individuals - ?Narella bowersi with associated ophiuroid
3 individuals - unidentified pink gorgonian fan
1 individual - white/yellow polyp scleractinean
1 individual - white/pink polyp scleractinean
3 individuals - ?Lepidisis olapa
3 rock samples

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 Effects of limited dispersal on population genetics of seamount benthos (project title) held on August 29, 1993 (date) in the following way:

- a. CTD data by August 29, 1993 (date)
- b. voice transcripts, video, and still camera film by August 29, 1995 (date)
- c. other August 29, 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).

Principal Investigator