

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-099

MISSION STATUS

Location: North of Kailua-Kona
Mission Date: Aug 25, 1988
Maximum Depth: 650 m.
Project Title: Heterocarpus Shrimp Assessment
Project Leader: Dr J. Polovina
Address: NMFS Honolulu Laboratory
2570 Dole Street
Honolulu, HI 96822

Phone: (808) 943-1221
Observers: R. Moffitt, F. Parrish
Address: NMFS Honolulu Laboratory
2570 Dole Street
Honolulu, HI 96822

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

We set a small trap on the ledge at 585 m. and conducted shrimp counts every 5 min. We found Plesionika to be more abundant than Heterocarpus laevigatus, and H.laevigatus more abundant at 600 m. than 500 m. The bottom was very steep with many cliff faces of either volcanic flow or old coral reef (sometimes alternating). Sand slides were also present. Very little loose rubble was observed. Again H.laevigatus were observed at both rock and open sand areas.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

The directional pinger locator worked only after we had found the trap and placed it in the basket. We had spent a full hour searching before finding it even though we were close to it. Al started to use the phone system to pick up pings and we were able to find the trap with this even though it was not a directional finder. The steep bottom helped here in that we had a one dimensional search instead of two.

Recommendations for corrective action or improvement:

Need a working directional finder.

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

The mission was a complete success.

List specimens or samples collected on the mission.

27 H.laevigatus }
 1 H.ensifer } from shrimp trap
 1 Plesionika ensis }

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 "Heterocarpus Shrimp Assessment"
(project title) held on Aug 25, 1988 (date) in the following way:

- a. CTD data by Aug 25, 1990 (date)
- b. voice transcripts, video, and still camera film
by Aug 25, 1990 (date)
- c. other Aug 25, 1990 (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