

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-098

## MISSION STATUS

Location: South of Kailua-Kona  
Mission Date: Aug 24, 1988  
Maximum Depth: 780 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 at 750 m. and conducted shrimp counts every 10 min. to estimate density. We found Plesionika to be more abundant than Heterocarpus laevigatus and more H.laevigatus at 600 m. than 750 m. The bottom was large coralline sand with varying amounts of volcanic and coralline rubble. Some large volcanic boulders were also present. Shrimp were not obviously associated with rock or sand bottoms.

## MISSION EVALUATION:

Limitations, failures, or operational problems noted:

The pinger locator was not working well at all. We were very fortunate to fall right at the trap site before we had to search for it. The locator worked from about 20 ft. or so, but no farther.

Recommendations for corrective action or improvement:

1. A new (working) directional locator.
2. A suction collector for incidental organisms.

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 successful.

List specimens or samples collected on the mission.

- 1 shell (placed in basket with arm)
- 1 shrimp (H. laevigatus) in trap

## 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 24, 1988 (date) in the following way:

- a. CTD data by Aug 24, 1990 (date)
- b. voice transcripts, video, and still camera film  
by Aug 24, 1990 (date)
- c. other Aug 24, 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).

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Project Leader