

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO. P5-097

## MISSION STATUS

Location: South of Kailua-Kona  
Mission Date: Aug 23, 1988  
Maximum Depth: 920 m.  
Project Title: Heterocarpus Shrimp Assessment  
Project Leader: Dr J. Polovina  
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2570 Dole Street  
Honolulu, HI 96825  
  
Phone: (808) 943-1221  
Observers: R. Moffitt, F. Parrish  
Address: NMFS Honolulu Laboratory  
2570 Dole Street  
Honolulu, HI 96825

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

Our objective was to estimate Heterocarpus laevigatus shrimp density using visual techniques and compare these to actual trapping data acquired last spring.

We also had planned to set a small trap and observe behavior around the trap.

For density estimates we counted the number of shrimp on 100 ft. of bottom every 10 min. throughout the dive. Plesionika sp. were relatively abundant, H.laevigatus was not.

The bottom in the area was fresh lava rubble rock slides.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

We had hoped to set a trap on this dive, but were unable to do so as the pinger locator did not appear to work. A suction device would also have been useful to collect invertebrates (shrimp, crabs, etc) which we were unable to identify.

Recommendations for corrective action or improvement:

A new pinger location device (directional locator) is needed if any more trap setting is to be conducted. As mentioned above, a suction collector would add to our survey information.

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 in that our census surveys went well.

List specimens or samples collected on the mission.

None.

## 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 23, 1988 (date) in the following way:

- a. CTD data by Aug 23, 1990 (date)
- b. voice transcripts, video, and still camera film  
by Aug 23, 1990 (date)
- c. other Aug 23, 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