

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-049

MISSION STATUS

Location: Barber's Point, Oahu

Mission Date: 2/8/88

Maximum Depth: 800m

Project Title: Deepwater Shrimp Studies

Project Leader: Jeff Polovina

Address: NMFS
2570 Dole St.
Honolulu, Hawaii 96822-2396

Phone: 808-943-1218

Observer: Jeff Polovina and Robert Moffitt

Address: NMFS
2570 Dole St.
Honolulu, Hawaii 96822-2396

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

The object of this dive was to conduct transects of deepwater shrimp grounds to observe behavior of shrimp, and predators in both natural habitat and at a baited trap.

The findings were as follows. Plesionika were in the water column above the bottom, not on the bottom as expected. Heterocarpus ensifer were much deeper during day than trapping indicated. We observed numerous species of fishes which were not caught in our traps. Estimated densities for H. ensifer and H. laevigatus were at one per 10 square meters and one per 100 square meters respectively.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Sub's still camera and receiving antenna failed. We lost a shrimp trap because we were unable to track the pinger.

Recommendations for corrective action or improvement:

Fix still camera and the antenna.

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

Yes

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 Deepwater Shrimp Studies
(project title) held on 2/8/88 (date) in the following way:

- a. CTD data by 2/89 (date)
- b. voice transcripts, video, and still camera film
by 2/89 (date)
- c. other 2/89 (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