

HAWAII UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT MISSION NO.P5-203

## MISSION STATUS

Location: Leeward Lanai  
Mission Date: August 2, 1992  
Maximum Depth: 550 m  
Project Title: Daytime Habitat of the Mesopelagic-Boundary  
Community  
Project Leader: R.E. Young  
Address: University of Hawaii  
Dept. of Oceanography  
1000 Pope Road MSB 631  
Honolulu, HI 96822  
Phone: 956-7024  
Observers: S. Reid, J. Hirota  
Address: Same

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

Examine distribution of mesopelagic animals between 250-550 m. Observe vertical distribution off bottom, 0-50 m from bottom. Develop survey techniques. Neither echosounder nor 8mm Panasonic were functioning, however, visual transects carried out at intervals above bottom and at various bottom depths were successful and will provide quantifiable results. Apparent absence of animals at 250 m bottom depths suggests horizontal migration at night and complements our trawling study.

## MISSION EVALUATION:

## Limitations, failures, or operational problems noted:

- Echosounder, 8mm Panasonic, flash, and slurper did not function.
- All of these would greatly enhance our research efforts.
- Some sort of flow meter or indicator of distance travelled would aid in quantifying horizontal transects.

## Recommendations for corrective action or improvement:

- Fix equipment
- We will try a flow meter on real dive.

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

Yes. Horizontal transect surveys of abundance relative to bottom and at different bottom depths are feasible and most critical members of the mesopelagic-boundary community are easily identified.

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 Daytime Habitat of the M.B.C.  
(project title) held on August 2, 1992 (date) in the following way:

- a. CTD data by August 10, 1992 (date)
- b. voice transcripts, video, and still camera film  
by July 1994 (date)
- c. other N/A (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