

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-376

MISSION STATUS

Location: Makapuu Restricted Fishing Zone 6

Mission Date: Sept. 5, 1998

Maximum Depth: 430 m.

Project Title: Evaluation of non-lethal methods for assessment of overfished deep water snapper resources.

Principal Investigator: Robert B. Moffitt

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Phone: 983-5373

Observer 1: Christopher Kelley

Observer 2: Tym Catterson

Address: Hawaii Institute of Marine Biology
P.O. Box 1346
Kaneohe, HI 96744

Address: HURL

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

The purpose of this dive was to conduct a second survey of the Makapuu Restricted Fishing Zone #6, focusing on the rocky mound area on the northern border. As on P5-374, both transects and bait stations were planned. Upon reaching the bottom at 430 m, we moved up to 400m and conducted a 30 minute transect immediately followed by a second transect at 350m. Neither transect resulted in observations of snappers. The sub then ascended to the top of the first peak where a bait station attracted 1 onaga and 6 small ehu, as well as Squalus mitsukurii, eels, 1 Plectranthias kelloggi. A second bait station was conducted at the base of an outcrop on the second peak. This station attracted Squalus mitsukurii, Antigonia, several eels, and 4 Beryx decadactylus. This was the first time this latter species was observed at a bait station. The sub then traversed over to the larger rocky feature that had not been previously surveyed. No snappers were observed during a 30 minute transect, only 1 Beryx, squalid sharks, eels, Laemonema rhodochir, Chaunax umbrinus and Stethopristes eos.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Microphone was shorting occasionally.

Recommendations for corrective action or improvement:

Pisces V crew will fix it this evening.

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

Yes, we conducted 2 of 3 planned bait stations and 3 transects. Both peaks were surveyed in addition to the larger dome shaped carbonate outcrop further north.

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

Evaluation of non-lethal methods for assessment of... (project title)

held on Sept. 5, 1998 (date) in the following way:

- a. CTD data by 9/5/2000 (date)
- b. voice transcripts, video, and still camera film by 9/5/2000 (date)
- c. other 9/5/2000 (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).

_____ Principal Investigator