

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-204

MISSION STATUS

Mission Date: 11-01-02

Location (island, bank, seamount, etc): Oahu

Specific Site (NE side, summit, etc): Makapuu

Position (start latitude & longitude): 21° 23.403./157° 34.891

Depth range: 544 m

Project Title: Effectiveness of refugia on bottomfish stocks

Principal Investigator: Robert Moffitt

Address: NOAA Fisheries
2570 Dole St, Honolulu, HI 96822

Phone: 983-5373

Observer 1: Christopher Kelley
Address: HURL

Observer 2: Walter Ikehara
Address: Division of Aquatic Resources

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

Materials & Methods:

The main objective of this study is to complete an evaluation of the effectiveness of DLNR's bottomfish management plan. This is being accomplished with follow-up submersible surveys to our 1998 and 1999 studies, which provided baseline data on densities of onaga and ehu in two refugia and two adjacent control areas. The primary ROV dive objectives during this cruise have been to characterize habitats at and near the study sites. However on this particular dive, the objective was to survey a deeper area revealed by the USGS multibeam sonar dataset which had high acoustic backscatter values indicative of a rocky substrate. During the survey, all fish and invertebrate species encountered were recorded along with substrate and depth information.

Scientific data acquired:

Table 1: Biological organisms observed during the dive.

FISHES	ECHINODERMS, CRUSTACEANS, & MOLLUSKS	CORALS, SPONGES & OTHER INVERTS
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MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None

Recommendations for corrective action or improvement:

None

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

Yes

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 **RCV-204** held on 11-01-02.

- a. CTD data by 11-01-04
- b. video data by 11-01-04
- c. other _____ (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