

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-208

MISSION STATUS

Mission Date: 11-3-02

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

Specific Site (NE side, summit, etc): Kailua Canyon

Position (start latitude & longitude): 20° /157° .

Depth range: 395 - 580 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: Chris 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. ROV dive objectives are to characterize habitats at and near the study sites. This is being accomplished by conducting videosurveys during which all fish and invertebrate species encountered are 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
Nezumia hebetatus	Plinthaster ceramoidea	tubularid hydrozoan
congrid	Heterocarpus laevigatus	pennatulid long
Rexea nakamurai	Benthescymus laciniatus	pennatulid fuzzy
caelorhynchid (b&w dorsal)	Aspidodiadema	pennatulid long tentacle
Ventrifossa sp	shrimp red (Plesionika?)	callogorgia
macrourid – high dorsal	Phormasoma bursarium	hydrozoan
Coryphaenoides sp 2	Antedon yellow	anemone brown
Chlorophthalmus prridens	gorgonocephalid	alcyonacean red
Hymenocephalus antraeous	brisingid	pennatulid orange
Ruvettus pretiosus ?	squid (Nototodarus ?)	hydrozoan w/crinoids
Etmopterus sp	Sphaerosoma obscurum	Corallimorphus sp
macrourid (big dark dorsal)	pagurid	Leiopathes glaberrima ?
macrourid (high black-tip dorsal)	Plesionika sp	w/galathied
Uroconger lepturus		Funiculina sp 2
		Hormathiid
		gorgonian red
		Metalogorgia melanotrichos
		Hormathiid sp 4
		Paramuricid blue
		protoalcyonarian
		anemone – hormathiid?
		Chrysogorgia geniculata
		Antedon yellow

MISSION EVALUATION:

Limitations, failures, or operational problems noted: Electrical problem prevented normal retrieval, but ROV was successfully retrieved.

Recommendations for corrective action or improvement:

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-208** held on 11-3-02.

- a. CTD data by 11-3-04
- b. video data by 11-3-04
- 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