

**HAWAI'I UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT DIVE: RCV-231**

**MISSION STATUS**

**Location: Bank 10**

**Latitude:** 28°55.898

**Longitude:** 178°37.114

**Mission Date:** 23 Sept 2003

**Duration:** 2 hours 01 mins

**Maximum Depth:** 550 m

**Project Title:** Characterization of deepwater fish and precious corals on the seamounts neighboring Hawaii's most remote monk seal colonies.

**Principal Investigator:** Frank Parrish

**Address:** Pacific Island Fisheries Science Center  
2570 Dole Street  
Honolulu, Hawaii 96822

**Phone:** 808-983-5391

**Observer 1:** Raymond Boland

**Observer 2:** Frank Parrish

**Address:** Same as above

**Address:** Same as above

**Pilot 1:** Dan Greeson

**Pilot 2:** Mark Drewery

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

**Objectives:**

The dive began at 239 m. The entire dive was a transect for fish. The transect was broken into 5 minute duration bins, with depth, bottom features, coral and fish species recorded. Dive ended at 539 meters after 1.25 hours.

**Observations, findings, etc:**

The depths of interest, were between 300 and 500 m. The bottom started as sand channels with outcrops of carbonate reef, mostly craggy. It then changed to a slope of hard carbonate veneered in sand. There was a dropoff that turned into a wall at 300 m to approximately 425m. Below 425m the bottom was sloping hard carbonate that was veneered in sand. No precious corals were noted, but many soft and whip corals were seen between 162 to 300m. Fish taxa are listed below.

**Species list:**

Please mark whether S-single; F-Few (2-10); M-Many (11-100); A-Abundant (>100)

(e.g., *Symphysanodon maunaloae*-M)

- add rows as needed

Symphysanodon maunaloa-many
Mictophidae-many
Pseudopentaceros wheeleri-many
Pontinus macrocephalus-many
Epigonidae-many
Caprodon unicolor-abundant
Zenopsis nebulosus-many
Stethopristes eos-single
Epinephelus quernus-few
Aulotrachichthys prosthemi-few
Cookeolus japonica-single
Morid-few
Mercurid-few
Chrionema-few
Antigonia eos-few
Decapterus tabl-few
Trichurid-few

**MISSION EVALUATION:**

**Limitations, failures, or operational problems noted:**

No problems were encountered.

**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.**

All goals expected were achieved.

**List specimens or samples collected on the mission.**

No samples taken

## 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

(project title)

held on 23 Sept 2003 (date) in the following way:

- a. CTD data by 23 Sept 2005 (date)
- b. voice transcripts, video, and still camera film by 23 Sept 2005 (date)
- c. other 23 Sept 2005 (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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Principal Investigator