

HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: RCV-230

MISSION STATUS

Location: Bank 10

Latitude: 28°54.753

Longitude: 178°37.002

Mission Date: 9/23/2003

Duration: 2 hrs 50 min

Maximum Depth: 540 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: Steven Tottori

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

Objectives:

The dive began at 240 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 496 meters after 2 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

<i>Symphysanodon maunaloae</i> -many
Mictophidae-many
<i>Pseudopentaceros wheeleri</i> -few
<i>Pontinus macrocephalus</i> -many
Epigonidae-many
<i>Caprodon unicolor</i> -abundant
<i>Zenopsis nebulosus</i> -single
<i>Chromis struhsakeri</i> -many
<i>Epinephelus quernus</i> -few
<i>Holanthias elizabethae</i> -abundant
<i>Hyperglyphe japonica</i> -many
<i>Plectranthias keloggi</i> -many
<i>Pseudanthias fucinus</i> -abundant
<i>Suezichthys notatus</i> -abundant
<i>Antigonia eos</i> -few
<i>Bodianus vulpinus</i> -single
<i>Parapercis roseoviridis</i> -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 9/23/2003 _____(date) in the following way:

- a. CTD data by 9/23/2005 (date)
- b. voice transcripts, video, and still camera film by 9/23/2005 (date)
- c. other 9/23/2005 (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).

_____ Principal Investigator