

HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: RCV-223

MISSION STATUS

Location: French Frigate Shoals, NWHI

Latitude: 23°53.3880

Longitude: 165°24.0060

Mission Date: 9/10/2003

Duration: 3 h 00 min

Maximum Depth: 427 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: Frank Parrish

Observer 2: Raymond Boland

Address: Same as above

Address: Same as above

Pilot 1: Dan Greeson, Steve Tottori

Pilot 2: Mark Drewery

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

Objectives:

The dive began at 426 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 376 meters after 180 minutes.

Dive started on sand field, moved through sand field with Basalt rock. A Carbonate Hard Pan was next with Crag. This developed into a Basalt bottom that slowly rose to 375 m. Early in the dive there were large numbers of fish which reaked in the Carbonate Hard Pan Crag. As the bottom rose, fish species and density numbers dropped. Soft corals, Cirripathes, Leopathes and other soft coral numbers increased on Basalt rock.

Species List:

Please mark whether -single; -few (2-10); -many (11-100); -abundant (>100)
(e.g., Symphysanodon maunaloae-many)

Chloruphthalmus-abundant
Symphasanadon maunaloa-abundant
Setarches sp.-many
Ventrifossa sp.-many
Laemonema rhadicir-many
Polymixia japonica-many
Media abysillis-few
Chaunx umbrius-few
Satyrichthyes-few
Beryx sp.-many
Antigonia-single

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

Characterization of deepwater fish and precious corals on the seamounts neighboring Hawaii's most remote monk seal colonies.
(project title)

held on 9/10/2003 _____(date) in the following way:

- a. CTD data by 9/10/2005 _____(date)
- b. voice transcripts, video, and still camera film by 9/10/2005 _____(date)
- c. other 9/10/2005 _____(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