HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: P4-103

MISSION STATUS

Location: Bank 8

Latitude: 26° 13.32 **Longitude:** 174° 30.92

Mission Date: 20 Sept 2003 **Duration: 8 hours**

Maximum Depth: 760 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: Charles Holloway **Pilot 2:** NA

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

Objectives:
The dive began at 760 m. First a cross contour transect was conducted up to 350 m to determine the depth range at which precious corals were encountered. Then a series of exploratory transects were run along the contours between depths of 350 and 500 to document the resident fish and coral assemblages. Collections of sediment were made at 350 m and 500 m.

Observations, findings, etc:

The depths of interest, 350 to 500 m, were primarily a cliff face. Gold coral was the primary precious coral encountered and it was found mostly between 400 and 500 m. Other corals including bamboo and whip corals were abundance and tallied as well. Little evidence of pink coral (Corallium sp.) except for a single colony. 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

Macrouod sp.	F
Plesiobatis sp.	S
Beryx sp.	S
Antigonia sp.	M
Moridae	M
Hollardia sp.	M
Mictophidae	A
Rexea sp.	F
Polymixia sp.	M
Pontinus macrocephalus	F
Epigonidae	A
Symphysanodon maunaloa	F
Glossanodon struhsakeri	F
Etelis carbunculus	F
Laemonema rhodochir	M
Grammatonotus macrophthalmus	F
Pristipomoides filamentosus	S
Stethopristes eos	F
Cyttomimus stelgis	F
Zenopsis nebulosus	S

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No problems were encountered. The position of the primary camera is poor for close up shots and the recording of sound on the ROS camera is weaker than the primary camera.

Recommendations for corrective action or improvement:

Adjust for future work.

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.

Only samples taken were sediment samples N=3 (510, 400, 354 meter)

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 **20 Sept 2003** (date) in the following way:

a. CTD data by 9/20/2005 (date)

b. voice transcripts, video, and still camera film by 9/20/2005 (date)
c. other 9/20/2005 (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