

South Brooks
Bank

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-022 A, B

MISSION STATUS

Location: South Brooks Banks + West Brooks Bank.

Mission Date: 9-17-98

Maximum Depth: 470 m

Project Title: Evaluation deep water benthic and demersal communities
in relation to foraging activities of the endangered Hawaiian
monk seal

Principal Investigator: Frank A. Parrish

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Observer 1: FRANK PARRISH

Address:

Observer 2: Rick Grigg

Address: Dept of Oceanography
1000 Pope Rd.
University of Hawaii
Honolulu, Hawaii 96822

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

ROV dive 22
South Brooks Banks
9-17-98
Parrish/Grigg

Segment A

Transect examining habitat and fish community was run east across the southern extension of Brooks Banks. Initially deployed at 500 m the path crossed contours to the shallow extreme of 133 m and then back down to 400 m. The west side of the bank was steep and the east side a gradual slope. Some gold corals were found on large carbonate boulders at the west end of the transect. At 140 m on the west flank of the banks slope black coral trees were very dense. On the east slope pink coral was found at depths deeper than 380m.

Segment B

Transect was run east across contours and to the southeast on the central west portion of Brooks Bank. Depths were 573 - 429 m. Many red and gold corals were found at the site. Red corals were most abundant at the deep extreme and gold at the shallow.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

ROV limited to ~~just east low~~ transects into the wind.

Recommendations for corrective action or improvement:

Improve ship's positioning capability.

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished.

yes 100% ROV staff put in very long hours, improve spatial coverage.

List specimens or samples collected on the mission.

none

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 Evaluating deepwater bathic and demersal communities in relation to foraging activities of the endangered Hawaiian monk seal (project title)

held on Sept 11-22nd 1998 (date) in the following way:

- a. CTD data by _____ (date)
- b. voice transcripts, video, and still camera film by Sept 2000 (date)
- c. other Sept 2000 (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).

Frank A. Powell Principal Investigator