

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-125

MISSION STATUS

Location: Kalohi Channel, Maui

Mission Date: 11/25/01

Maximum Depth: 183 meters

Project Title: Sustainability of the Black Coral Fishery in Hawaii and Impacts on Bottom Fish Habitat

Principal Investigator: Richard Grigg

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Observer 1: Richard Grigg

Observer 2: Chris Kelley

Address: Department of Oceanography
University of Hawaii

Address: Hawaii Undersea Research Laboratory
University of Hawaii

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

This ROV dive was a black coral survey in the Kalohi Channel on a pinnacle feature believed to have both black corals and the bottomfish, *Pristipomoides filamentosus*. As with other ROV deployments, the optimal direction for the transect, based on wind and current conditions, was determined prior to the dive. A two-mile target line was created, that would begin at one side of the pinnacle and run directly over the top and down the other side during a standard 2-4 hour survey. After the RCV was deployed, the observer attempted to identify black coral colonies as well as all fish and invertebrates species encountered. Both black corals (*Antipathes dichotoma* and *A. ulex*) were observed as well as a single *P. filamentosus*. Other fish included *Caranx sp.*, *Lactoria diaphana*, *Mulloidichthys pfluegeri*, *Sargocentron sp.*, *Myripristis kuntee*, *Seriola dumerili*, *Pseudanthias thompsoni*, and *Chromis verator*. Examples of invertebrates included *Halimeda sp.*, *Eurypatagus ovalis*, *Leptoseris sp.*, *Plesionika sp.*, and a black cerianthid.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None

Recommendations for corrective action or improvement:

None

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

Yes.

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 Sustainability of the Black Coral Fishery in Hawaii and Impacts on Bottom Fish Habitat (project title)

held on 11/25/01 (date) in the following way:

- a. CTD data by 11/03 (date)
- b. voice transcripts, video, and still camera film by 11/03 (date)
- c. other 11/03 (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