

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-478

MISSION STATUS

Location: Lower Stone Wall Station VII, off Lahaina, Maui

Mission Date: 11/27/01

Maximum Depth: 66 m (216 feet)

Project Title: Black Coral Fishery and Bottom Fish Study

Principal Investigator: Richard Grigg

Address: Oceanography Dept.
University of Hawaii

Phone: 956-7186

Observer 1: Richard Grigg

Observer 2: Eric Grossman

Address: UH

Address: USGS VC Santa Cruz
1156 High St.
Santa Cruz, CA 95064

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

Transect of lower Stone Wall completed in 3 hours covering 0.7 nautical miles. Rich area of black coral, most abundant at depths of 48-51 m where a prominent sea-level notch was incised in the carbonate wall of the basin. Collected & samples of sediment from the floor of the solution basin and 3 colonies of *P. lobata* (for growth rate analysis). Documented transect w/ 4 hours of video. The soft coral *Carijoa riisea* appears to be invading the habitat otherwise occupied by black corals. A good over-view of the solution basin floor & walls was obtained.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None, two dives were accomplished this day.

Recommendations for corrective action or improvement:

None

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

Yes

List specimens or samples collected on the mission.

3 sediment sample
3 samples of deep reef coral, Porites lobata
1 samples of deep reef soft coral, Carijoa riisea

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 Black Coral Fishery & Bottom Fish Study (project title)

held on 11/27/01 (date) in the following way:

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