

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-358

MISSION STATUS

Location: Makapu'u Precious Coral Bed, Oahu

Mission Date: Aug. 13, 1998

Maximum Depth: ~470 m

Project Title: Precious Corals in the Hawaiian Islands

Principal Investigator: Craig Smith / George Roderick

Address: Dept. of Oceanography
University of Hawaii
Honolulu, HI 96822

Phone: 956-6050

Observer 1: Amy Baco-Taylor

Observer 2: Ann Tarrant

Address: as above

Address: as above

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

Began dive with a 45 min. video/photo survey across bed. Remainder of dive spent collecting pink, gold and red corals. Collected 20 individuals of pink, 6 individuals of gold and 10 individuals of red coral. All samples were preserved on board in liquid nitrogen, alcohol and formalin.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No accurate way to know speed across bottom.
No accurate distance measure.
Not possible to conduct accurate - quantitative photo/video surveys

Recommendations for corrective action or improvement:

Mount laser sights outside sub on camera (with on/off option) so can have scale during photo/video surveys. Would be nice to have still camera option to set to auto intervals so can better quantify photo. Possibly have alternate channel to video display with operational data, e.g. speed, altitude, depth, XY, temp., etc., so scientist can look at one place quickly and get all necessary information.

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

Yes, except photo/video survey could not be done in a quantitative manner.

List specimens or samples collected on the mission.

20 *Corallium secundum*
10 *Corallium regale*
6 *Gerardia* sp.
2 crinoids

Positive comments:

Terry did an outstanding job (as usual) using big, clunky manipulators to do fine work. Acquired excellent set of samples.

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

Precious Corals in the Hawaiian Islands (project title)

held on Aug. 13, 1998 (date) in the following way:

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

Principal Investigator