

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. RCV-213

MISSION STATUS

Mission Date: 11-26-02

Location (island, bank, seamount, etc): Cross Seamount

Specific Site (NE side, summit, etc): Summit

Position (start latitude & longitude): 18° 42.787/158° 17.783

Depth range: 405 - 450 m

Project Title: Precious Corals in the Hawaiian Islands: Management Units Determined by Molecular Genetics

Principal Investigator: Amy Baco-Taylor

Address: WHOI Biology Dept.
MS#33, 214 Redfield
Woods Hole, MA 02536

Phone: 983-5373

Observer 1: Christopher Kelley
Address: Hawaii Undersea Research
Laboratory, 1000 Pope Rd, University of
Hawaii, Honolulu, HI 96822

Observer 2: Rebecca Scheinberg
Address: Oceanography Dept, UH
1000 Pope Rd, Honolulu, HI 96822

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

Materials & Methods:

The primary objective of this dive was to survey a potential site for conducting submersible dive # p5-502. The site was located in an area of the summit that had not been previously investigated. The ROV was deployed west, and recovered east, of the target site after transecting directly over the top. During the survey, particular attention was paid to the abundance of gold coral, *Gerardia sp.*, pink coral, *Corallium secundum*, and red coral, *Corallium regale*.

Scientific data acquired:

A few pink, but neither gold nor red corals were encountered during the transect. As a result, a decision was made to conduct the second submersible dive at the same site as the first. Table 1 below a list of other fish and invertebrates observed during the dive.

Table 1: Biological organisms observed during the dive.

FISHES	ECHINODERMS, CRUSTACEANS, & MOLLUSKS	CORALS, SPONGES & OTHER INVERTS
Polymixia japonica Stethopristis eos Hollardia goslinei Ijimaia plicatellus Beryx decadactylus Eel Synaphobranchid Epigonus devaneyi Setarches guentheri Ophichthid	Unidentified seastar Heterocarpus ensifer Gooseneck barnacles Mediaster ornatus Stomatopod Plinthaster ceramoides? Seastar in gorgonian Red shrimp Ceramaster bowersi	Cerianthid Flabellum pavoninum Pennatulid Corallium secundum Keratoisis sp Gerardia sp Regadrella sp 1 Calibelemnon symmetricum White sponge Lyrocteis sp Isidid New antipatharian Orange anemone Antipathes sp Parazoanthid Callogorgia sp Corallium regale Cirrhipathes spiralis Jvania sp Lepidisis nuda?

Specimens collected:

None.

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 the work that was expected to be accomplished.

Yes.

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 **RCV-213** held on 11-26-02.

- a. CTD data by 11-26-04
- b. video data by 11-26-04
- c. other _____ (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