

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. RCV-214

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° 44.752/158° 17.353

Depth range: 571 - 600 m

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

Principal Investigator: Amy Baco-Taylor

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Observer 1: Christopher Kelley
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Observer 2: Rebecca Scheinberg
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Scientific Data Acquired: Prepare an abstract outlining your objectives, techniques, findings, etc.

Materials & Methods:

The primary objective of this dive was to survey the northwest flank of Cross Seamount for deeper-living dendrophyllid corals, which if found in abundance, could be the focus of a future project investigating their population structure. The ROV was deployed at 600 m and moved east along the 580 m contour until it was recovered at 585 m. During the survey, an effort was made to identify all fish and invertebrates encountered, with particular attention to dendrophyllid corals.

Scientific data acquired:

With the exception of one possible colony, dendrophyllids were absent at this particular site. 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
Sternoptychid?	Brisingid	Metallogorgia melanotrichos
Beryx decadactylus	Antedon yellow	Paramuricid blue
Eel	Holothurian	Corallimorphus sp
Synaphobranchid	Crinoid	Paramuricid white?
Macrourid?	Unidentified crab	Bolocera sp
Ophidiid	Ceramaster bowersi?	Farrea sp
	White holothurian	Dendrophyllid?
	Heterocarpus laevigatus	Pennatulid red
	Mediaster ornatus	Tubularid hydrozoan
		Anthomastus red
		Hormathiid
		Hydrodendrium gorgonoides

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-214** 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