

HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: PV- 545

MISSION STATUS

Location: East of Necker

Latitude: 23° 15.8129 N

Longitude: 162° 59.8701 W

Mission Date: 3 November 2003

Duration: 6 hours, 58 minutes

Maximum Depth: 508 m

Project Title: Reproductive Biology and Population Genetics of Hawaiian Precious Corals

Principal Investigator: Amy Baco-Taylor

Address: Biology Department
MS#33, 214 Redfield
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Phone: (508) 289-2331

Observer 1: Amy Baco-Taylor

Observer 2: Emily Yam

Address: See above.

Address: University of Virginia

Pilot 1: Chuck Holloway

Pilot 2:

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

Objectives:

1. Collect precious corals for reproductive biology and genetics.

Observations, findings, etc:

We landed on the bottom in sand but soon found clean-swept carbonate bottom. Although we covered a lot of ground and the habitat and currents were right, we found very few corals of any kind. There was a patch of *Cirripathes spiralis* at the top of one wall, all other species were sparse. We were able to collect a few precious corals.

Species list:

Corallium lauense - F

Gerardia sp. - M

Bathypathes spp. - M

Cirripathes spiralis - M

Primnoids - F

Other Antipatharians - M

Octopus (*Berya hoyeiei*) - S

Kahala - F

Onaga - F

Small stalked sponge - M

Small green fish - A

Anthomastus sp- A

Micropyga tuberculata- A

Stereocidaris hawaiiensis- A

Solitary corals- A

Setarches guentheri- F

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.

We did not find enough of any species of precious coral to get a full set of samples, but we collected very one we could find.

List specimens or samples collected on the mission.

12 – Gold coral
3 – *Corallium lauense*
3 – Antipatharians
2 – Paramuricids
1 - Primnoid

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
Reproductive Biology and Population Genetics of Hawaiian Precious Corals

held on 3 November 2003 in the following way:

- a. CTD data by 3 November 2005 (date)
- b. voice transcripts, video, and still camera film by 3 November 2005 (date)
- c. other 3 November 2005 (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