

HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: PV- 521

MISSION STATUS

Location: Salmon Bank

Latitude: 26 59.9230 N

Longitude: 176 32.1250 W

Mission Date: 4 October 2003

Duration: 5 hours, 8 minutes

Maximum Depth: 496 m

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

Principal Investigator: Amy Baco-Taylor

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Observer 1: Amy Baco-Taylor

Observer 2: Emily Yam

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Woods Hole, MA 02543

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Pilot 1: Chuck Holloway

Pilot 2:

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

Objectives:

The objectives of this dive were to locate precious corals and to collect samples of those precious corals for reproductive biology and population genetics.

Observations, findings, etc:

This was the most barren site of any we visited so far on this cruise. Very few invertebrates and fish were observed. There were two black corals and three *Lepidisis olapa* seen. Also, a few sponges and *Anthomastus* were also seen. Most of the area covered had a lot of sand and sediment with high, steep walls. The slope was predominantly sediment, though at times there were impressive rock walls and pinnacles,

especially at the end of the dive track. No project related corals were collected. We also observed a large fishing net wrapped around rocks on the bottom of the ocean.

Species list:

Please mark whether S-single; F-Few (2-10); M-Many (11-100); A-Abundant (>100)

(e.g., Symphysanodon maunaloae-M)

- add rows as needed

Octopus (Octopus sp.B)- s	Cerianthid- f
Lepidisis olapa- f	Umbellula- f
Leopathes glaberrina- f	Sea pens- f
“White Stick” - f	Antipatharians- f
Aplacophorans on “white stick”- f	Epigonus sp- S
Anthomastus- m	Seastar- F
Tubularid- f	

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Tracking had some small problems but they were corrected manually while the dive progressed.

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.

No precious corals were present, so we could not collect them.

List specimens or samples collected on the mission.

- 1- Leopathes
- 1- white stick (black coral) with epifauna (aplacophorans)
- 1- cerianthid

1- umbellula (but it escaped)

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

(project title)

held on 4 October 2003 _____(date) in the following way:

- a. CTD data by 10/03 /2005 (date)
- b. voice transcripts, video, and still camera film by 10/03 /2005 (date)
- c. other 10/03 /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