

HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT

DIVE: 582

MISSION STATUS

Location: Makapuu Coral Bed

Latitude: 21 ° 18.0' N

Longitude: 157° 32.1'W

Mission Date: October 2, 2004

Duration: hours mins

Maximum Depth: 450 m

Project Title: Deep-sea precious corals as habitat for macroinvertebrates in Hawaii

Principal Investigator: Amy Baco-Taylor

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Phone: (508) 289-2331

**Observer 1: Amy Baco-Taylor
Address:**

**Observer 2: Thomas Shirley
Address: UAF**

Pilot 1: Terry Kerby

Pilot 2:

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

Objectives:

To observe and collect coral-associated invertebrates. To compare invertebrate assemblages between coral species and to compare to background fauna.

Observations, findings, etc:

We observed many young *Corallium* trees and a few older ones. *C. secundum* was the most abundant species. There was also a single species of crinoid that was very abundant the entire dive. It was on most of the coral species as well as on the bottom. We saw very few *Gerardia*. The currents were very strong the entire dive. Towards the end of the dive, we could not make headway in the current. I was surprised to find very few galathaeids or ophiuroids on the corals.

Species list:

Corallium secundum
Corallium lauense
Gerardia sp.
Lepidisis olapa
Parapaguris sp.
Swordfish
Paramuricids
Primmoids
Leiopathes sp.
Very abundant crinoids
Chyrostylid Galathaeids
Squalids
Limonema
Hollardia
Polymixia
Other assorted corals and sponges

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None

Recommendations for corrective action or improvement:

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

yes

List specimens or samples collected on the mission.

Corallium secundum – 3
Gerardia sp – 3
Lepidisis olapa – 2
Galathaeids – 2
Crinoids - ~30
Ophiuroids – 1
Primnoids – 3
Paragorgids – 1
Paramuricids – 1
Coke Bottle - 1

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 _____(date) in the following way:

- a. CTD data by _____(date)
- b. video and images by _____(date)
- 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