

HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: PV- 528

MISSION STATUS

Location: Pioneer Bank

Latitude: 25° 49.2119 N

Longitude: 173° 27.2744

Mission Date: 11 October 2003

Duration: 7hrs 9m

Maximum Depth: 534 m

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

Principal Investigator: Amy Baco-Taylor

Address: Biology Department
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Phone: (508) 289-2331

Observer 1: Amy Baco-Taylor

Observer 2:

Address:

Address:

Pilot 1: Max Cremer

Pilot 2: Terry Kerby

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

Objectives:

The objective of this dive was to locate precious corals on Pioneer Bank and to sample for reproductive biology and genetics

Observations, findings, etc:

We landed on a slight slope of carbonate with light sand cover. Corallium were fairly abundant but small and were not *C. secundum*. As we moved downslope and south, we came across more Corallium that were *C. secundum* and eventually into a field of gold, pink, and red corals. Red corals increased in abundance as we moved deeper. Other octocorals and antipatharians were also abundant in the bed. We collected an amazing number of samples for one dive.

Species list:

Corallium sp	M	Callagorgia formosa	S
Corallium secundum	A	Bathypathes conferta	S
Gerardia sp	A	Carangid	S
galatheid.	M	Squalus mitsukurii	S
large red-striped galatheid	M	Anthomastus sp.	S
Seastar	S	Hollardia goslinei	S
Leiopathes glabberima	F	Paramurecea pseudothesea	S
sponge vase	M	Isadella sp	S
Calvularia grandiflora	F	Lophiodes myocanthus- anglerfish	S

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

none

Recommendations for corrective action or improvement:

n/a

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

Yes, and then some!

List specimens or samples collected on the mission.

Pink coral – 29
Red Coral – 9
Gerardia sp. – 19
Other octocorals – 4
Carbonate Rock – 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

Reproductive Biology and Population Genetics of Hawaiian Precious Corals

held on 10/11/03 in the following way:

- a. CTD data by 10/11/05 (date)
- b. voice transcripts, video, and still camera film by 10/11/05 (date)
- c. other 10/11/05 (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