

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-283

MISSION STATUS

Location: off Kona

Mission Date: July 23, 1996

Maximum Depth: 1340m

Project Title: Reproductive Biology of Deep-Sea Animals

Principal Investigator: Craig M. Young

Address: Harbor Branch Oceanographic Institution (HBOI)
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Phone: (407) 465-2400 x303

Observers: 1) Roland Emson, 2) Elsa Vazquez

Addresses: 1) King's College, University of London
2) HBOI

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

Objectives:

- 1) To conduct a transect from 1300-500m observing the zonation and abundance of echinoderms over this depth range. To collect voucher specimens from this area also.
- 2) Check performance of current meter with all power shut off on submarine.

Techniques: video, manipulators, etc.

Results:

Collected over range from 1340 - 385m, so did greater range than hoped for. Good data and specimens. Found sponge field at 478m. Began abruptly and then continued as far as lift-off point at 385m.

Current meter did not function with power off on sub!

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Video difficult to handle. Otherwise great.

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 and more so. Because the dive found the desired sponge field the whole work of the week was accelerated.

List specimens or samples collected on the mission.

- 1) brittle star on gorgonian
- 2) 2 sea urchins
- 3) 3 sea cucumber species plus crab associated with one sea-cucumber
- 4) 5 species of seastar

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 of Deep-Sea Animals (project title) held on July 23, 1996

(date) in the following way:

- a. CTD data by 7/24/96 (date)
- b. voice transcripts, video, and still camera film by 7/24/98 (date)
- c. other 7/24/98 (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