

**HAWAII UNDERSEA RESEARCH LAB
QUICK LOOK REPORT MISSION NO. 484**

MISSION STATUS

Location: Slope off Kona coast; 19 37.742N, 156 02.048W

Mission Date: Dec. 3, 2001

Maximum Depth: 550m

Project Title: Ecological Role and Faunal Associates of Abundant Hexactinellid Sponges on the Hawaiian Slope

Principal Investigator: Craig Young

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Observer 1: Craig M. Young

Observer 2: Michelle Wood

Address: Harbor Branch Oceanographic Inst.

Address: Univ. of Oregon

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

Objectives:

1. Transplant 10 individuals of *Sericolophus hawaiiicus* from 433m to 480m, below sponge bed.
2. Collect syringe samples from water column and excurrent side of sponges for feeding studies.
3. Collect water samples using Niskin bottles from near the bottom between 550m and 300m; and from water column during ascent.
4. Collect sediment cores from sediment in sponge bed, both near the sponge stem and away from the sponges.
5. Videotape benthic invertebrates and collect bathyal echinoderms and sponges.

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MISSION EVALUATION:

Limitations, failures, or operational problems noted:

One syringe sample was aborted when the triggering pin became inoperable; one Niskin did not fire.

Recommendations for corrective action or improvement:

Check O-rings on Niskins; leakage seems to be problem.

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

Mission was a success.

List specimens or samples collected on the mission.

Water samples were collected from 550, 500, 450, 400, 350, 300, 250, 200, 180, 160, 140, 100, 60, 20, and 5m

Animals:

Asteroids: *Mediaster ornatus* (1)

~~Ophiuroids:~~

Echinoids: *Cidaroid* (unid.)

Sponges:

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

Ecological Role and Faunal Associates of Abundant Hexactinellid Sponges on the Hawaiian Slope (project title)

held on November 30 2001 in the following way:

- a. CTD data by Nov. 2003 (date)
- b. voice transcripts, video, and still camera film by Nov. 2003 (date)
- c. other Nov. 2003 (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).

~~Alan~~ Ci-Morgan Principal Investigator