

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-018

MISSION STATUS

Location: Cross Seamount

Mission Date: 8/12/87

Maximum Depth: 1360 ft.

Project Title: Settlement Onto Deep-Sea Hard Substrates

Project Leader: Lauren Mullineaux

Address: Ocean Engineering
Woods Hole Oceanographic Institution
Woods Hole, MA 02543

Phone: (617) 548-1400 Ext. 2898

Observer: C. M. Fuller

Address: Woods Hole Oceanographic Institution

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

Deployed current meter.
Deployed substrates.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No 35 mm.

Unable to focus color video.

No CTD.

Depth-limited Navtrack.

Starboard thruster failed intermittently.

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.

Mission accomplished, photos and video would have been helpful.

List specimens or samples collected on the mission.

none

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 "Settlement Onto Deep-Sea Hard Substrates" (project title) held on August 12, 1987 (date) in the following way:

- a. CTD data by none (date)
- b. voice transcripts, video, and still camera film by 8/89 (date)
- c. other after publication (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).

Project Leader

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Honolulu, Hawaii 96822
(808) 948-6335

VOICE TRANSCRIPT FOR HAWAII UNDERSEA RESEARCH LABORATORY MISSION

Dive Number: P5-018

Location: Cross Seamount

Date of Dive: 8/12/87

Project Leader: Lauren Mullineaux
Ocean Engineering
Woods Hole Oceanographic Institution
Woods Hole, MA 02543

Observer: L. Mullineaux, C. Fuller

Pilot: T. Kerby

TAPE 1, SIDE 1

Fuller: Testing 1,2. 1,2.

Fuller: Deploying the current meter at a bearing 125 from the pinger in an area that's got scattered boulders about 20 cm high. ...dominant fish is a goatfish. It collects around us to see what we're doing.

Fuller: 1:13 sited a big shark. Also sited a large ray swimming directly over the alabaster substrates banging them with its wings.

End tape.

TAPE 2; SIDE 1
DIVE P5-018
PAGE 2

Mullineaux: Testing 1,2. Testing 1,2.

Kerby: OK, real good.

Mullineaux: Dive 2 in PISCES V. Landed on a patchy sandy and rocky bottom and we've just come across a cable that they apparently saw yesterday on dive 1. Lots of bottom feeding fish. They look like some relative to the goatfish as well as some big red, big-eyed type fish like squirrelfish. Quite a few seafan gorgonian type growth and some starfish too as well as anemones burrowed in the bottom.

Mullineaux: Sandy bottom. Quite a big area now that has a lot of ripples on it. The ripples seem to be pretty much parallel to one another. ...Some of the surrounding rocks have an awful lot of real small white polyps, anemones, or small corals or something like that on them.

Mullineaux: Can see the areas where PISCES has touched down. Kind of a layer of real fine sediment on top of the coarser sediments where the ripples. However the ripples are not completely obliterated.

Mullineaux: From pinger, course is 114 or 115 to the current meter.

Mullineaux: Closer look at the sediments shows that undisturbed sediments are speckled with little clumps of rock or manganese nodules or something. And the clumps are about one inch square I'd say. And then of coarse sand mixed in that.

End tape.

No tapes 3 or 4.