HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: P4-100

MISSION STATUS

Location: Maro Reef, NWHI

Latitude: 25°31.0720 **Longitude:** 170°24.9400

Mission Date: 9/16/2003 **Duration:** 7 h 55 min

Maximum Depth: 661 m

Project Title: Canyon & Scavenger Communities of the Main & Northwestern Hawaiian Islands

Principal Investigator: Craig Smith & Eric Vetter

Address: University of Hawaii, Dept of Oceanography
1000 Pope Rd, MSB 205
Honolulu, HI 96822

Phone:

Observer 1: Eric Vetter **Observer 2:** Carol Berini

Address: HPU **Address:** HPU

Pilot 1: Terry Kerby **Pilot 2:**

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

Objectives:
- recover bait and traps at 350 & 650 m
- sediment core at 650 m
- survey canyon and adfacent habitats

Dive started on sandy bottom near a rock wall. Moved over rocky outcrops and along rock walls iwth many gorgonians (at least 4 species) and some corals and sponges. Moved along canyon floor composed of sand and coral rubble with many sea urchins, sea cucumbers, and fishes. Moved up-canyon encountering rocky outcrops and low walls (basalt). Moved along and over a long low (1.5 m) carbonate step. At 350 m canyon had sediment covered sides. A rocky outcrop with many large fish in canyon at 345 m. Moved out of canyon encoutering rolling silty substrate and very few animals.

Species List:
Please mark whether -single; -few (2-10); -many (11-100); -abundant (>100)

(e.g., Symphysanodon maunaloae-many)

Pontinus macrocephalus-few
Sympnhysanodon maunaloae-few
Ijimaia-single
Aldrovandia-few
Ventrifossa-many
Nezumia-single
Coelorhyncus-few
Rexea-few
Synaphobrancus-few
Satyrhichthys-few
Trichiurid-single
Snyderidia-few
Chaunax umbrinus-few
Chloropthalmus-few
Glossanodon-few
Beryx decadactylus-few
Epigonus glossodontus-few
Etelis -many
Polymixia-few
Hollardia goslinei-single
Hoplostethus crassipinus-few

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None, the equipment and crew functioned extremely well.

Recommendations for corrective action or improvement:

None from our perspective.

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

The mission fully achieved its purpose. We accomplished everything we expected to do on this dive.

List specimens or samples collected on the mission.

Eight sediment cores were taken.

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

Canyon & Scavenger Communities of the Main & Northwestern Hawaiian Islands

(project title)

held on 9/16/2003 (date) in the following way:

a. CTD data by 9/16/2005 (date)

b. voice transcripts, video, and still camera film by 9/16/2005 (date)
c. other 9/16/2005 (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