HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: P4-1

MISSION STATUS

Location: Leeward Oahu Slope

Latitude: 21°26.20 **Longitude:** 158°13.15

Mission Date: 21 November 2003 **Duration:** 8 h 4 min

Maximum Depth: 652 m

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

Principal Investigator: Craig Smith & Eric Vetter

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Observer 1: Eric Vetter **Observer 2:**

Address: **Address:**

Pilot 1: Terry Kerby **Pilot 2:** Max Cremer

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

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

0921, 350 m: deployed trap
0925, 350 m: transect #1, done in two parts, 6.5 and 3.5 minutes
1007, 350 m: took 3 cores, #'s3 and 7 good, # 8 shallow
1020, 350 m: transect #21050, 352 m: bait station: Sphaeroides pachygaster, puffer fish eating bait
1133: recovered bait
1140, 375 m: transect #3
1200, 372 m: attempted coring, did not succeed
1215, 350 m: 2 good cores, core #'s 2 and 4

1300, 3500 m: recovered trap, 2-3 small Heterocarpus under trap, 1 crab investigated trap and left
1329, 391 m: Sericolophus forest
1444, 650 m, deployed trap (next to a rock)
1451, 650 m Transect #4
1505, 652 m: bait station: heterocarpus
1518, low voltage, **abandoning trap and bait**

Species List:
Please mark whether -single; -few (2-10); -many (11-100); -abundant (>100)
(e.g., Symphysanodon maunaloae-many)

Astropecten	many
Caelorhynchus	many
Chlorophthalmus	many
CTENOPHORES	many
Fly-trap anemone (hormathiid/actinoth)	many
MACROURIDS	many
Phormosoma	many
Plesiopenaeus	many
Sericolophus hawaiiensis	many
Ventrifossa	many
M. abyssalis	few
Satyrichthys sp.	few
Anthomastus	few
Cerianthids*	few
Chascanopsetta prorigera	few
Dactylocalcid vase	few
GORGONIANS	few
Laganum fudsiyama?	few
Serolia dumerili	single
Hollardia goslinei	Single?
Beryx	Single
Lophiodes meacanthus	single
Phormasoma bursarium	few
Orange holothurian	few
pale cucumber	few
Aspidodiadema	few
Brisingids	few
Parapercis roseoviridis	few
Satyrichtheys	few
Pennatula	few
Polymyxia	abundant
SCORPAENIDS	few
Squid	few
Chrionema	few
Synodus	few

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Voltage underload resulted in rapid departure from bottom and abandonment of bait and trap.

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 achieved its purpose. We accomplished nearly everything we expected to do on this dive.

List specimens or samples collected on the mission.

5 sediment cores were taken.