HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: P4-092

MISSION STATUS

Location: Nihoa, NWHI

Latitude: 23°11.6345 **Longitude:** 161°53.9230

Mission Date: 9/6/2003 **Duration:** 7 h 45 min

Maximum Depth: 1228 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:**

Address: **Address:**

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

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

Objectives:
Pilot-in-Training dive. Only one observer.
To recover bait at 1227 and 981 m.
To recover trap at 981 m.
Video transect at 1200 and 1000 m.
Tube core at 660 m.
Deploy bait and trap at 350 m.
Collect algal detritus at 350 m.

Dive started on a sandy slope surrounded by rocky outcrops at 1220 m. We transited in search of marker 34 at 1227 m. Marker 34 was not found after an hour search, so we transited towards marker 23 at 981 m. We encountered a large sleeper shark just before locating the marker and scavenger trap. The 3 kg of makeral we left the previous dive was gone. Four shrimp, and some amphipods were observed in the trap. After recovering trap and marker, we transited to 660 m to

core. At 660 m we took 3 tube cores and moved up canyon to 350 m. We took 2 tube cores, samples algal detritus, and deployed a marker, trap, and bait parcel at 350 m. While transiting for 650-350 m, we ascended a 230 m wall (from 650 - 420 m)

Species list:	
Plexiobatis daviesi	Tripod fish
Conger sp.	Dalatiinae
Dog fish?	Coryphonoides
Halosaurid	Gadomus
Metopomyeter	Seriola aureouittata
Coelorhynchus	Epinnala magistralis
Sladenia remiger	Stethopristes
Synaphobranchus	Ventrifossa atheodon
Ahu	Bathyopteris

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

none

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.

The dive went very well although coring was difficult in the coarse sediment.

List specimens or samples collected on the mission.

1 scavenger trap
5 tube cores

Dive **P4-092**

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 9/6/2003 (date) in the following way:

a. CTD data by 9/6/2005 (date)

b. voice transcripts, video, and still camera film by 9/6/2005 (date)

c. other 9/6/2005 (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