HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: P4-094

MISSION STATUS

Location: Nihoa, NWHI

Latitude: 23°12.0677 **Longitude:** 161°52.4482

Mission Date: 9/8/2003 **Duration:** 6 h 40 min

Maximum Depth: 392 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:** Ric Martini

Address: HPU **Address:** HPU

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

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

Objectives:
1) Recover scavenger trap and bait parcel at 350 m on the Nihoa slope.
2) Take sediment cores at 350 m in the canyon and on the slope
3) Video transects on the slope at 350 m
4) Scavenger observations at bait station at 350 m in canyon

Dive started on a flat sandy bottom. Changed to several rocky outcrops as we reached our first study site. Several large decorator crabs were on or near the rocks and some holes and/or depressions in the rock teemed with fishes or shrimp. While transiting to the canyon site we crossed a flat sand plain interrupted by two rocky outcrops before reaching the canyon. The canyon track included rocky outcrops, teeply sloping sandy bottoms and rock-walls. The study site was a relatively gradually sloping sandy bottom with coral rubble and algal detritus.

Species list:	
Antigonia	Pontinus macrocephalus
Synodus	Erythrocles scintillans
Glossanodon struhsakeri	Plectranthias kelloggi
Seriola dumerili	Symphysanodon maunaloae

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.

List specimens or samples collected on the mission.

Recovered 2 scavenger traps
Took 7 sediment cores

Dive **P4-094**

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 9/8/2003 (date) in the following way:

a. CTD data by 9/8/2005 (date)

b. voice transcripts, video, and still camera film by 9/8/2005 (date)
c. other 9/8/2005 (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