HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: P4-159

MISSION STATUS

Location: North Moloka'i

Latitude: 21° 15.508 **Longitude:** 156°53.056

Mission Date: 8/25/06 **Duration:** 5 h 45 min

Maximum Depth: 678 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: 808-956-7776

Observer 1: Eric Vetter

Address: Hawaii Pacific University
45-045 Kamehameha Ave
Kaneohe, HI 96744

Observer 2: Craig Smith

Address: University of Hawaii
1000 Pope Rd.
Honolulu, HI 96822

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

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

Objectives:

- Four twelve minute visual/video transects
- Trap deployment, 4 hr +
- Bait station
- 6 sediment cores
- collect octocorals

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

MACROURIDS	many
Caelorhynchus	few
Coryphaenoides	few
Aldrovandia	abundant
Synaphobranchids	few
Lamprogrammus brunswegii	few
Nettastoma	single
Ijimaia?	single
SHARKS	few
Hydrolagus purpurescens	singe
TELEOSTS	many
Bathytyphlops	single
SCORPAENIDS	single
Pycnocraspedum armatum???	few
Lamprogrammus brunswegii	few
glass sponge	many
Actinostolid	many
Fly-trap (hormathiid/actinoth)	many
Coralomorph	many
Antipathes	few
Anthomastus	few
BLACK CORALS	few
GORGONIANS	many
Nerella	many
Pangurids (hermits)	many
Heterocarpus laevigatus	many
Aristeus	many
Plesiopenaeus	few
Nematocarcinus	few
Neolithodes	few
ASTEROIDS	many
OPHIUROIDS	many
Paelopatides retifer	few
CRINOIDS	few

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None, the equipment and crew functioned extremely well with the exception of some loss of dexterity with the Orion arm.

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 largely achieved its purpose. Mechanical problems with the Orion arm resulted in a delayed launch and a shortened mission. Loss of bottom time disallowed core sampling and octocoral collections

List specimens or samples collected on the mission.

Amphipods were recovered in the trap and on the bait parcel.

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