

**HAWAI'I UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT DIVE: P5-663**

**MISSION STATUS**

**Location:** North Moloka'i

**Latitude:** 21° 17.37

**Longitude:** 157° 02.20

**Mission Date:** 8/27/06

**Duration:** 8 h 30 min

**Maximum Depth:** 1008 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

**Observer 2:** Jeff Drazen

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

**Address:** University of Hawaii, Manoa

**Pilot 1:** Max Cremer

**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)

<b>species</b>	<b>Single</b>	<b>few (2-10)</b>	<b>many (11-100)</b>	<b>abundant (100+)</b>
chirostyliid crab	X			
Decorator (Paromola)		X		
galatheid crab		X		
Neolithodes		X		
Pagurids (hermits)			X	
Aristeus semidentatus			X	
Benthescyclus		X		
shrimp in burrow		X		
Shrimp			X	
gnathophausia			X	
Pycnogonid on base of cerianthid	X			
<b>ASTEROIDS</b>			X	
<b>CRINOIDS</b>			X	
<b>HOLOTHURIANS</b>			X	
Paelopatides retifer				X
pale cucumber		X		
<b>OPHIUROIDS</b>				X
Centroscyllium/Dalatius	X			
Hexanchus griseus	X			
Bathycongrus guttulatus/Uroconger lepturus				
Synaphobranchids		X		
Synaphobranchus affinis		X		
Uroconger lepturus		X		
Nettastoma	X			
<b>HALOSAURIDS</b>				X
Aldrovandia phalacra			X	
Aldrovandia verticalis - small black halosaurs?			X	
<b>MACROURIDS</b>			X	
Bathygadus bowersi	X			
Cetonurus?		X		
Coelorinchus doryssus		X		
Hymenocephalus sp.		X		
Gadomus melanopterus			X	
Nezumia		X		
Sphagemacrurus?		X		
unidentified morid	X			
Sladenia remiger	X			
Cyclothone sp.			X	
scopelarchid	X			
alepocephalid		X		
<b>ANEMONES</b>		X		
Cerianthids				X
Corymorphidae - stalked anemone		X		
Fly-trap (hormathiid/actinoth)			X	
<b>SEA PENS</b>		X		
Umbellula		X		
medusa		X		
glass sponge				X

Polynoid  
gastropod

X

X

## **MISSION EVALUATION:**

### **Limitations, failures, or operational problems noted:**

None, the equipment and crew functioned extremely well with the exception of the DV camera which spontaneously turned off more than a dozen times.

### **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. Deep muddy sediment made coring highly effective. None of the desired octocorals were observed.

### **List specimens or samples collected on the mission.**

Six sediment cores were recovered. Amphipods were recovered in trap. A single sea star was collected. A coconut was collected which contained many small urchins, amphipods and other fauna yet to be determined.

## 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