

HAWAI'I UNDERSEA RESEARCH LABORATORY

**QUICK LOOK REPORT
ROV: RCV-368**

MISSION STATUS

Location: Northwest Molokai – Penguin Bank

Latitude: 21° 18.800 N

Longitude: 157° 22.098 W

Mission Date: November 4, 2006

Duration: 4 hours

Maximum Depth: 492 m

Project Title: Gold Coral Growth Project

Principal Investigator: Frank Parrish, NOAA Fisheries

Address: Dole St, Honolulu, HI 96822

Phone: 808-983-5391

Observer 1: Frank Parrish

Observer 2: Chris Kelley

Address:

Pilot 1: Dan Greeson

Pilot 2: Peter Townsend

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

Objectives: The dive was conducted to scout rocky high flow areas Northwest of Molokai that could support deep corals. The multi-beam data suggested the habitat would be the same as Makapuu bed and it is within 10 miles of the dense Makapuu coral bed so the expectation was that we would find some *Corallium secundum* colonies.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None

Recommendations for corrective action or improvement:

None

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished.

Yes, the survey of this part of the ridge was successfully completed.

List specimens or samples collected on the mission.

None

Observations, findings, etc:

The dive was conducted up a steep slope from 492 m to the top of the plateau at 350 m. Individual unidentified colonies were encountered and some *Leopathies*, but no *Corallium Secundum* or *Gerardia* sp. (gold) colonies. Topography ranged from flat carbonate to strange fields of carbonate "stumps."

Species list:

Fishes: *Nathopsis* sp. *Chrionema chryseres*, epigonid, *Setarches guentheri*, *Chlorophthalmus prridens*, *Laemonema rhodochir*, *Beryx decadactylus*, *Polymixia berndti*, *Macouridae*, *Cyttomimus stelgis*, Unid squid, *Chaunax* sp., *Celorinchus spilonotos*, *Holardia* sp, *Meadia abyssalis*, *Siniferus undulates* (sole)

Cnidarians: solitary white scleractinian, unidentified cnidarian tree, *Bathypathes conferta*, *Sericolophols hawaiiensis*, *Leopathies* sp,

Echinoderms: *Phormosoma bursarium*, *Mediaster ornatus*,

Other Invertebrates: ribbon sponges, pleurobranch, turrid, pagurid

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 (project title)

held on 11/4/06 (date) in the following way:

- a. CTD data by 11/4/08 (date)
- b. video and images by 11/4/08 (date)
- c. other 11/4/08 (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