

HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT

DIVE: P5-759

MISSION STATUS

Location: Au'au Channel, South of Maui, Hawaii

Latitude: 20° 46.399N

Longitude: 156° 40.224W

Mission Date: 5 March 2011

Duration: 7 hours 51 mins

Maximum Depth: 119 m

Project Title: CRES 2007: Investigating Deep (50-100 m) Coral Reefs in Hawai'i

Principal Investigator: Richard Pyle

Address:

Natural Sciences Department
Bishop Museum
1525 Bernice Street
Honolulu, Hawaii 96817

Phone: (808) 983-5716

Observer 1: Ray Boland

Observer 2: Derek Skillings

Address: National Marine Fisheries Service
PIFSC/EOD
2570 Dole St.
Honolulu, HI 96822

Address: Hawaii Institute of Marine Bio
P.O. Box 1346
Kaneohe, HI. 96744

Pilot 1: Max Cremer

Pilot 2: None

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

Objectives: The primary goal of this dive was to conduct replicate fish transects at 110, 100, 90 and 80 m. Secondary goals were to conduct fish collections of reef fish and echinoderms.

Observations, findings, etc:

We conducted 4 replicate fish transects at 80, 90 100 and 110m and one new fish transect at 100m. We conducted 2 fish collection stations, one at 109m and one at 100m. Species collected are listed below. We also collected a single sea cucumber; a sponge and a piece of rock to search for micro-invertebrate species. The conditions were favorable for these surveys and collections and the sub pilot and Pisces V worked flawlessly.

Species list:

Fish:

Fistularia petimba

Gymnothorax kidako

Mypristes chryseres

Ostorhinchus maculiferus

Sargocentron xantherythrum

Invertebrates:

Sponge

Sea cucumber

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No limitations, failures or operational problems were encountered.

Recommendations for corrective action or improvement:

None necessary.

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 was a success. All primary objectives were met.

List specimens or samples collected on the mission.

Collected:

Fish:

Fistularia petimba

Gymnothorax kidako

Mypristes chryseres

Ostorhinchus maculiferus

Sargocentron xantherythrum

Invertebrates:

Sponge

Sea cucumber

Rock grab.

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)

CRES 2007: Investigating Deep (50-100 m) Coral Reefs in Hawai'i

held on 5 March 2011 (date) in the following way:

- a. CTD data by 5 March 2013 (date)
- b. video and images by 5 March 2013 (date)
- c. other 5 March 2013 (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).

Ray Boland Principal Investigator