

HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT

DIVE: P5-761

MISSION STATUS

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

Latitude: 20° 46.702N

Longitude: 156° 40.500W

Mission Date: 7 March 2011

Duration: 7 hours 50 mins

Maximum Depth: 137 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 fish collections of reef fish in cooperation with CCR divers. Secondary goals were to conduct fish transects at 110 and 100 m and to collect echinoderms.

Observations, findings, etc:

The cooperative fish collection with the divers was a moderate success, the sub performed perfectly in its role and the divers were able to collect some fish, but not all the species that were needed. We conducted 3 fish transects, 2 at 110m and one at 100m. During the first transect at 110 m we located a fish hole with several species. We conducted a fish collection station, at this site located in 113m. The collection was hampered by siltation resulting in poor visibility.

Species collected are listed below. We also collected two sea cucumbers. The conditions were favorable for these surveys and collections and the sub pilot and Pisces V worked flawlessly.

Species list:

Fish:

- 2 *Apogon sp.*
- 2 *Chromis verater*
- 2 *Conger oligoporus*
- 2 *Gobiinae sp.*
- 4 *Mypristes chryseres*
- 1 *Odontanthias fuscipinnis*
- 1 *Sargocentron xantherythrum*

Invertebrates:

- 2 Sea cucumbers.
- 3 *Lissocarcinus orbicularis*

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:

2 *Apogon sp.*

2 *Chromis verater*

2 *Conger oligoporus*

2 *Gobiinae sp.*

4 *Mypristes chryseres*

1 *Odontanthias fuscipinnis*

1 *Sargocentron xantherythrum*

Invertebrates:

2 Sea cucumbers

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 7 March 2011 (date) in the following way:

- a. CTD data by 7 March 2013 (date)
- b. video and images by 7 March 2013 (date)
- c. other 7 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