

**HAWAI'I UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT**

**DIVE: P5-760**

**MISSION STATUS**

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

**Latitude:** 20° 46.575N

**Longitude:** 156° 40.335W

**Mission Date:** 6 March 2011

**Duration:** 3 hours 0 mins

**Maximum Depth:** 150 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:** Frank Parrish

**Observer 2:** John Rooney

**Address:** National Marine Fisheries Service  
2570 Dole St.  
Honolulu, HI 96822

**Address:** Same

**Pilot 1:** Terry Kerby

**Pilot 2:** None

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

**Objectives:** Dive was divided between conducting visual surveys of fish in association with leptoseris reef structure (Boland work) and collecting fish for the CRES programs other collaborating projects including genetics work (Bowen) and isotopic comparisons (Longnecker).

**Observations, findings, etc:**

Two fish transects conducted along the contour, one at 110 m and the other at 100 m, both for 20 mins.

**Species list:**

Following fish were seen on the transect. Often the wrong name was used to identify so here I list the actual taxa seen and the incorrect name recorded by audio in brackets ( ).

Apolemichthysarcuatus (Holocanthus)  
Centropyge potteri (C. fisheri)  
Chromis leucura  
Chromis verator  
Bodianus albotaeniatus  
Cirrhilabrus jordani (Flame wrasse)  
Pseudocheilinus evanidus (P. octotaenia or tetra)  
Coris ballieui  
Canthiaster rivulata  
Heniochus diphetes  
Gymnothorax flavimarginatus  
Mypristes chryseres (may have called this some other Mypristes sp.)  
Sargocentron ensifer  
Pseudoanthias thompson (Pseudoanthia bicolor)  
Pseudoanthia hawaiiensis  
Malacanthus brevirostris  
Parupeneus chrysonemus  
Cheatodon milliaris  
Cheatodon kleinii  
Cheatodon fremblii  
Cheatodon multicinctus  
Forcipiger sp. (nawiliwili)  
Lutjanus kasmira  
Parapercus schauinslandi  
Cantherhines vercundus

**MISSION EVALUATION:**

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

Problem with the launch system delayed launch and limited the dive to only a few hours.

**Recommendations for corrective action or improvement:**

Problem fixed.

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

This was originally suppose to be a dive done in conjunction with the deep mixed gas divers but the delay and launch forced the divers to abort for the day and changed the focus of the remaining sub day to the goals listed above. All the revised objectives wereachieved.

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

Fish collected include:

Peripercus schauinslandi

Forcipiger flav.

Sargocentron ensifer

Myripristes chryseres

Chromis verator

Centropyge potteri

## 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 6 March 2011 (date) in the following way:

- a. CTD data by 6 March 2013 (date)
- b. video and images by 6 March 2013 (date)
- c. other 6 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