

HAWAI'I UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT
PISCES V

MISSION STATUS

Location: Northeast of Moku Manu Island

Latitude: 21° 29.488 N

Longitude: 157° 43.530 W

Mission Date: August 28, 2013

Duration: 6 hours

Maximum Depth: 200 m

Project Title: Acoustic Listening Station Retrieval, Mesophotic Reef Fish Surveys

Principal Investigator: Frank Parrish, NOAA Fisheries

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Phone: 808-944-2181

Observer 1: Raymond Boland
Address:

Observer 2: Chris Kelley

Pilot 1: Terry Kerby

Pilot 2:

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

Objectives:

The dive was conducted to search for acoustic listening stations, and if present: retrieve them. In addition mesophotic fish surveys were also planned between 80-110 meters.

Observations, findings, etc:

After about an hour of searching, the first acoustic listening site was located. The equipment was gone and the release had apparently worked correctly as only the bottom weights were found at a depth of 132 m. The sub then moved upslope to conduct a mesophotic fish transect at 90 m roughly to the North. At the end of this first transect, a three bladed airplane propeller was located. We then moved upslope and conducted a two mesophotic fish transects at 80 m to the North, North West. We then descended to 90 m and conducted a mesophotic fish transect. We descended to 100 m and conducted a mesophotic fish transect. Finally we descended into the Kaneohe Bay Canyon and ended the dive at 200 m.

Species list:

Fishes: *Pseudanthias thompsoni*, *Pseudanthias hawaiiensis*, *Pseudanthias*, *bicolor*, *Apolemivhthys arcuatus*, *Chaetodon fremblii*, *Chaetodon kenii*, , *Chaetodon miliaris*, *Naso hexacanthus*, *Chromis verater*, *Heinochus diphereustes*, *Centropyge potteri*, *Sufflamen fraenatus*, *Canthigaster cornata*, *Zanclus cornutus*, and *Forcipiger flavissimus*.

Cnidarians: *Lepotseris* sp.

Echinoderms: *Acanthocidaris hastingeria*, *Chaetodiadema pallidum*, *Stichopus* sp.

Other Invertebrates: *Scyllarides squamosus*

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, in all aspects.

List specimens or samples collected on the mission.

Acanthocidaris hastingeria and an undescribed sea urchin.

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__(date) in the following way:

- a. CTD data by__(date)
- b. video and images by__(date)
- c. other__(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