

HAWAI'I UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT
PISCES V

MISSION STATUS

Location: Makapuu, Oahu

Latitude: 21° 17.702 N

Longitude: 157° 32.043 W

Mission Date: July 20, 2013

Duration: 5 hours

Maximum Depth: 425 m

Project Title: Coral environmental studies

Principal Investigator: Frank Parrish, NOAA Fisheries

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Observer 1: Frank Parrish
Address:

Observer 2: John Smith

Pilot 1: Terry Kerby

Pilot 2:

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

Objectives: The main objectives of this dive were to revisit a deepwater coral study site in the center of the Makapuu coral bed, check marked gold corals, recover thermographs/flow meters, and collect three samples of *Corallium secundum* for aragonite studies.

Observations, findings, etc:

The *Pisces V* encountered fierce current from the north and spent much of the dive working to locate the site. Once at the site three marked gold corals were found and inspected for any change. This work was conducted as part of a larger series of dives to validate the growth rate currently used to calculate the harvest quota in the precious coral fishery. Both of the thermographs and flowmeters were found and recovered.

Species list (from memory):

Fishes: *Decapterus tabl*, *Chrionema chryseres*, *epigonid*, *Setarches guentheri*, *Laemonema rhodochir*, *Antigonia sp.*, *Hollardia goslinei*, *Meadia abyssalis*, *Ijimaia plicatellus*, *Seriola dumerili*, *Lophiodes miacanthus*, *Squalus mitsukuri*, *Caelorinchus sp.*

Cnidarians: *Savalia sp*, *Acanella dispar*, *Lepidisis olapa*, *Thouarella hilgendorfi*, *Callogorgia gilberti*, *Corallium secundum*,

Echinoderms: *Stereocidaris hawaiiensis*,

Other Invertebrates: *Parapagurus dolfeini*, *Paromala japonica*, unid squid,

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No problems with the dive operation. There were some questions about positioning as the support vessel with the track link was the tug that tended the LRT platform for the sub.

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.

List specimens or samples collected on the mission.

- 1) 3 samples of *Corallium secundum*

2) **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__(12/15/12) in the following way:

- a. CTD data by____(12/15/14)
- b. video and images by__(12/15/14)
- c. other__(12/15/14)
- 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