

HAWAI'I UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT
PISCES V

MISSION STATUS

Location: Makapuu Point Oahu

Latitude: 21° 17.739 N

Longitude: 157° 31.917 W

Mission Date: August 30, 2013

Duration: 6 hours

Maximum Depth: 425 m

Project Title: Coral environmental habitat studies

Principal Investigator: Frank Parrish, NOAA Fisheries

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Phone: 808-944-2181

Observer 1: Frank Parrish

Observer 2: Ray Boland

Address:

Pilot 1: Terry Kerby

Pilot 2:

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

Objectives: The dive was to return to the center of the Makapuu coral bed where two flow meters were deployed on dive P5-808 and relocate them to the southern edge of the coral bed where coral density was low to zero. While in the center of the bed the establish transect along the lost cable used as a reference point was conducted to revisit marked gold corals, note the presence of bamboo (clippings collected from two and marked with pots) and document the depth change along the length of the cable. While traveling to the southern edge of the bed we stopped at the lave boulder (21° 17.531 157° 31.917) site to look at the marked gold colonies which appeared unchanged in size. While traveling to the southern end of the bed the number of Acanella bamboo coral seemed more numerous but none of them were seen being colonized by coral coral. At the southern edge of the bed the two flow meters and thermographs were deployed 20 meters apart. Some pots were also deployed off to the sides to improve our ability to relocate the equipment.

Observations, findings, etc:

There was no change in the size of the marked gold corals. Greater numbers of bamboo coral were seen at the southern part of the bed.

Species list:

Fishes: Chlorophthalmus proridens, Laemonema rhodochir, Polymixia berndti, unid squid, Chaunax sp., Holardia sp, Antigonina sp., Meadia abyssalis, Satyrichthys hians, Squalus mitsukurii, Lophoides micanthus.

Cnidarians:

Echinoderms:

Other Invertebrates: Plesionika sp. Parapagurus sp.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Current prevented us from reaching last site for recover of instrument. Late in the dive series and battery power depleted due to current and collection activity.

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.

Expectations were exceeded

List specimens or samples collected on the mission.

A couple of bamboo samples were collected for aragonite analysis.

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