

HAWAI'I UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT
PISCES V

MISSION STATUS

Location: S-19 site off Barbers Point Oahu

Latitude: 21° 14.406 N

Longitude: 158° 01.054 W

Mission Date: July 17, 2013

Duration: 1.5 hours

Maximum Depth: 412 m

Project Title: Coral environmental studies

Principal Investigator: Frank Parrish, NOAA Fisheries

Address: Dole St, Honolulu, HI 96822

Phone: 808-944-2181

Observer 1: Frank Parrish
Address:

Observer 2: Raymond Boland

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 near Honolulu Harbor, and recover thermographs, flow meters, and a current meter at various locations at the site.

Observations, findings, etc:

The *Pisces V* landed close to the summit (325 m) of a small carbonate pinnacle feature that was approximately 150 m in length and 100 m across. The patch of gold coral (*Savalia sp.*) was relocated at the summit that included a bamboo coral (*Acanella dispar*) that was in early stages of colonization (marker pot 40) by a gold coral that was inspected. The Aanderaa Seaguard current meter was recovered. Two of the three nearby flow meters and attached thermographs deployed at the edge of the patch of corals were also recovered.

A gold coral tree was seen with a number of *Meadia abyssalis* residing in its limbs.

The dive abruptly ended when the submersible was recalled to medivac a member of the surface crew who had been injured.

Species list (from memory):

Fishes: *Decapterus tabl*, *Chironema chryseres*, *epigonid*, *Setarches guentheri*, *Laemonema rhodochir*, *Antigonia sp.*, *Hollardia goslinei*, *Meadia abyssalis*, *Ijimaia plicatellus*, *Etelis carbunculus*, *Symphysanodon maunaloa*, *Grammatonotus macrothalmus*, *Pontinus macrocephalus*

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

Echinoderms: *Stereocidaris hawaiiensis*

Other Invertebrates: *Paromala japonica*, unid squid, unidentified demosponge, *Regadrella sp1*,

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No problems with the dive operation. To locate and recover three instruments and make some observations in 1hr 18 mins of bottom time is impressive.

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, with the exception of one instrument that was not recovered because the dive was ended to medivac a member of the surface party who was injured.

List specimens or samples collected on the mission.

- 1) Dead stump of Acanella sp.

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