

**HAWAI'I UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT  
DIVE: PV-707**

**MISSION STATUS**

**Location: Keahole Pt.**

**Latitude:** 19° 47.929

**Longitude:** 156° 07.460

**Mission Date:** 12-1-2007

**Duration:** 8 hours

**Maximum Depth:** 397 m

**Project Title:** Gold coral growth validation study

**Principal Investigator:** Frank Parrish

**Address:**

Pacific Islands Fisheries Science Center  
2570 Dole Street  
Honolulu Hawaii, 96822

**Phone:** 808-983-5391

**Observer 1:** Frank Parrish

**Observer 2:** Sean Wiggins

**Address:**

**Address:**

Same as above

**Pilot 1:** Max Cremer

**Pilot 2:**

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

Objectives:

The objective was to revisit and re-measure gold coral (*Gerardia* sp.) colonies that were located in 2000. This work was conducted as part of a larger series of dives to validate the 6 cm/yr growth rate currently used to calculate the harvest quota in the precious coral fishery. The sub used 2000 positions, depths and landmarks to find the colonies and then used a laser scale projected on the colonies to estimate their size. Estimates will be made by the observer and the pilots without the benefit of knowing what the prior estimates were. A portion of the dive was spent deploying four flower pots to mark some of the colonies of bamboo that were observed in the early stages of colonization by *Gerardia* sp.. One of the flower pots had a thermograph. Also deployed were some sediment traps and a flowmeter.

Observations, findings, etc:

The eight coral colonies were relocated and measured.

Species list:

No fauna counts were made on this dive but taxa seen included:

Gerardia sp.  
Acanella Sp.  
Corallium sp.  
Hollardia sp.  
Laemonema,  
Calligorgia sp.  
Paragorgia sp.  
Mocrourid  
Caelorhynchus tokiensis  
Polymixia sp.  
Bathypathes conferta  
Primnoid  
Leiopathes glaberima

**MISSION EVALUATION:**

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

NA

**Recommendations for corrective action or improvement:**

NA

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

Yes, 100% success.

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

No specimens collected.

## 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