

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-364

MISSION STATUS

Location: Kaneohe Bay, Sampan Pinnacle

Mission Date: Aug. 20, 1998

Maximum Depth: ~350 m.

Project Title: Characterization and Assessment of Two Types of Critical Habitat for
Eteline Snappers in the Main Hawaiian Islands

Principal Investigator: Gordon Grau / Chris Kelley

Address: Hawaii Institute of Marine Biology
P.O. Box 1346
Kaneohe, HI 96744

Phone: 236-7418

Observer 1: Ben Benumof

Observer 2: Tym Catterson

Address: UC Santa Cruz
Earth Science Dept.
1156 High St.
Santa Cruz, CA 95064

Address:

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

Objective was to perform reconnaissance geology: To observe and document the relationships between 'Kaneohe Bay Pinnacle' geologic features (lithology, bedforms, bottom roughness, etc.) and the occurrence of various bottom dwelling fish species. The primary lithology observed was basalt with minor amounts of a reddish - brown mudstone. The area was also very sediment-rich, with an abundance of very fine-grained material. Current was negligible, and no bedforms were observed. Three sediment samples, eight rock samples, and nine water samples were taken. No conclusions have been made at this time.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

1. Due to oceanographic conditions, accurate ground control was difficult to obtain. A large percentage of the mission was spent trying to locate our position.
2. Water samples did not "fire" correctly. Nine samples were taken, three of which "misfired".
3. Titan was incapable of obtaining welded basalt samples. It would have been nice to have obtained more basalt.

Recommendations for corrective action or improvement:

Investigate the possibility of a stronger Titan system.

Develop a more accurate means of determining the position of the Pisces V.

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

Yes, the mission surveyed the Kaneohe Bay pinnacle and identified several locations that would be the focus of the next dive. The geological characteristics of the wall were described in detail.

List specimens or samples collected on the mission.

Eight rock samples (3 basalt, 5 mudstone)
Nine water samples
Three sediment samples

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

Characterization and Assessment of Two Types of Critical Habitat for Eteline Snappers in the Main Hawaiian Islands (project title)

held on Aug. 20, 1998 (date) in the following way:

- a. CTD data by Aug. 20, 2000 (date)
- b. voice transcripts, video, and still camera film by Aug. 20, 2000 (date)
- c. other Aug. 20, 2000 (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