

DNK
10-18-98

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. RCV-006

MISSION STATUS

Location: Ewa Beach Artificial Reef Site (Oahu)
Mission Date: 10 Aug 98
Maximum Depth: 500 ft
Project Title: Fishery Investigation of Deepwater Artificial Reefs
Principal Investigator: Kevin Weng / John Sibert
Address: Oceanography Dept., UH Manoa.

Phone: 956 5961
Observer 1: Kevin Weng, David Itano
Address: PFRP, JIMAR
UH Manoa
Observer 2: Brian Kanenaka
Address: DAR, DLNR,
State of Hawaii

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

Conducted visual surveys of navy barge and 2nd caisson (shallower).

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Margin of error in position taken on Pisces V by ship is greater than visibility range of ROV; therefore it is hard to find specific features which have been visited by Pisces V.
Lights cause strong reactions by fishes (attraction; repulsion)

Recommendations for corrective action or improvement:

Depth is known v. accurately, so it may help to find features by contouring @ correct depth from one side, starting well away from estimated position.

If we do only one [successful] pass on each feature, we may have time to visit more/all features. - Color depth chromoscope on bridge would be useful →

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

Due to difficulty in finding features (limited vis. of ROV, no sonar, difficulty in maintaining position of ship) it was not possible to visit all of the features which Pisces V had seen, so a complete night-time data set was not collected. However, two features were visited, showing that the ROV can repeatedly locate a feature.

List specimens or samples collected on the mission.

None.

Kahala aggregated by ROV, used lights for hunting.

RCV

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

Fishery Investigation of Deepwater Artificial Reefs (project title)

held on 10 Aug 98 (date) in the following way:

- a. CTD data by _____ (date)
- b. voice transcripts, video, and still camera film 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).

Ken Way for JOHN SIBERT
Principal Investigator