

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-007

MISSION STATUS

Location: Ewa Artificial Reef
Mission Date: 8/11/98
Maximum Depth: ~ 450 ft.
Project Title: Fishery investigation of Deepwater Artificial Reefs
Principal Investigator: Kevin Wang
Address: Oceanography, UH Manoa
Phone: 956 5961
Observer 1: David Itano
Observer 2: Kevin Wang, Brian Kaneraka
Address: Address:

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

Night survey of fish species + abundance on the
the ketch, Caisson #2 and barge. Juvenile + adult
bottomfish of commercial or sport value are particular object
of surveys.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

ROV never acquired any of the large artificial reef structures.
 Tilt mechanism for camera failed after 4 hours into mission.
 Maneuvering without ~~tilt~~ tilt is impossible so mission aborted & ROV retrieved at 1240.

Recommendations for corrective action or improvement:

Better positioning of these structures with accurate lat & long & depth is necessary. Close communication between sub & bridge should be able to ~~accomplish this~~ accomplish this. Tilt mechanism will require teardown, diagnosis & mechanical repair.

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

No large reef structures were surveyed.

Also, several amberjack followed the ROV throughout the dive & were observed to be feeding on small fishes that are attracted to ROV lights. The amberjack appear to be 5 to 15 lbs and likely discourage the sighting of juvenile bottomfish and other species of small finfish. The utility of night dives may be very limited (for visual survey)

List specimens or samples collected on the mission.

none.

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 11 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).

Kevin Wang for John Sibert Principal Investigator