

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-323

MISSION STATUS

Location: N. Shore Oahu, Kaena Point

Mission Date: Aug.19, 1997

Maximum Depth: 303 m.

Project Title: Investigation of insular slope fishery habitats, Oahu

Principal Investigator: E. Gordon Grau

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Observer 1: Bruce Mundy

Observer 2: Dr. Evelyn Cox

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

Two primary objectives:

1. Identify nursery grounds of commercially important insular fish species (particularly onaga - Etelis coruscans + ehu - Etelis carbunculus).
2. Characterize the physical & biological aspects of the grounds in relation to coastal discharge.

Dive P5-323 was directed at surveying 303 m. - 125 m. off Kaena Point. We found several subadult ehu at ~280 m. depth around rock outcroppings.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Problems with leaky water sampling bottles. Sediment sampling was not quantitative - partly due to substrate, partly due to shaky claw of extension arm.

Recommendations for corrective action or improvement:

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

Yes - subadult ehu were found. Having the small laser device to size the fish added considerably to our results. Documentation via photo record critical.

List specimens or samples collected on the mission.

1. Sediment samples for grain size, LOI and infauna - 2 per bait station + 1 for extra sampling at ehu site.
2. Water samples - 2 depths descending, 2 at each site, 1 subsurface ascending.
3. Video record of benthos and fish.

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

Investigation of Insular Slope Habitats ... (project title)

held on Aug. 19, 1997 (date) in the following way:

- a. CTD data by Aug. 19, 1998 (date)
- b. voice transcripts, video, and still camera film by Aug. 19, 1998 (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