

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-032

MISSION STATUS

Location: Alenuihaha Channel

Mission Date: 9/10/87

Maximum Depth: 4590 ft.

Project Title: Cable Route Contract

Project Leader: Parsons Hawaii (George Krasnick)

Address: 567 S. King St.
Honolulu, HI 96813

Phone: 523-5464

Observer: T. Jones, J. Van Ryzin

Address: University of Hawaii Makai Ocean Engineering
 1000 Pope Rd. MSB 318 Makapuu Point
 Honolulu, HI 96822

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

Dive objective was to repeat previous dive plan with launch of sub directly over survey site. Visual survey of designated cable pathway from 1500 m to 1200 m on Kohala slope in the Alenuihaha Channel. Positioning of submersible within cable route was not satisfactory due to problems with ship to sub tracking system.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Ship to sub tracking system did not give satisfactory positions to determine whereabouts on slope. System used was Edo Western's Micro Navtrack which was limited in that the automatic depth telemetry function was inoperable. Although depth figures were manually entered into the units CPU, consistent "believable" location data was not generated.

Recommendations for corrective action or improvement:

Either a back up system or overhaul of present navigational tracking system is in order so that precision navigating of sub can be accomplished.

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

This dive did not accomplish goals due to the inability to know where the sub was in relation to the cable route pathway.

List specimens or samples collected on the mission.

No specimens were secured.

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 Cable Route Contract
(project title) held on 9/10/87 (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).

Project Leader