APPENDIX B

QUICK LOOK REPORT MISSION NO. 82-59
(Submit Before Leaving HURL Facilities)

1. Location name Makaukiu Point — Mission Date 12 JAN 82
   Latitude/Longitude 19° N 154° W — Mission Start time 9 AM
   Maximum Mission Depth 1200 ft. — Mission Duration 3½ hours
   Bottom Depth 500 - 1200 ft

2. Project Title Puna Canyon Project

3. Project Leader, Institution Address and Phone Number
   John Wiltshire, Dept. Oceanography, 2525 Correa Rd.
   Honolulu, HI 96822, tel 948-7880

4. Name of Diver and Affiliation WALTER DUDLEY, Asst. Prof.
   Univ. of Hawaii, Dept. of Oceanography

5. Scientific Data Acquired (no more than 1500 words)
   Prepare an abstract outlining your objectives, techniques, findings, etc.

The objectives of the dive were:

1) to observe the general submarine setting at the head of the Puna Canyon
2) to note specifically
   a. slopes
   b. degree of sediment cover
   c. sediment type & size
   d. sedimentary structures
   e. sediment stability
   f. rate of resuspension of sediment
   g. indicators of sediment movement
3) to observe:
   a. types and numbers of organisms present
   b. influence of various substrates on biologic activity
   c. influence of organisms on sediment and

6. Scientific Equipment. Provide below the applicable information on the scientific supplies and equipment you used during the mission such as T.V. and photographic monitors, type of film and collecting apparatus used in the operations.

LIST SCIENTIFIC EQUIPMENT USED	TYPE AND NUMBER OF STILL PHOTOGRAPHS AND VIDEO FOOTAGE	LIMITATIONS, FAILURES, OR OPERATIONAL PROBLEMS NOTED DURING MISSION	RECOMMENDATIONS FOR CORRECTIVE ACTION OR IMPROVEMENT
3 grab samplers 1 box core	100 still photos 3½ hr video footage	1) grab samplers were initially difficult to use 2) box corer failed to operate properly 3) tape recorder failure	← practice ← repair or redesign ← new batteries?

7. Briefly note the following:

-Weather conditions (general and extreme) and impact on operations:

FAIR

-Water conditions (general and extreme) and impact on operations:

CALM

-Navigation and viewing problems during operations:

NONE

-Safety problems or concerns during operations:

NONE

-Management or personnel problems:

NONE

Logistics or support problems:

NONE

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

Yes, indeed. Beyond expectations!

9. Comments on substrates, animals, plants etc. observed but not connected with your mission.

All observations are connected with our mission - comprehensive study of Puma Canyon.

10. List specimens or samples collected on the mission.

3 grab samples of sediment

1 partial box core of sediment

1 large gastropod shell

1 small echinoid

11. Fill in, sign and date the following statement. 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.

I hereby release the data archived by HCZDB and HURL for public consumption following mission # 82-59 held on 1/12/82 (date) in the following way:

a. salinity, O_2, solar, pressure, and temperature data by _____(date)

b. audio, video and still camera film by _____(date)

c. other _____

_____

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