HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P4-014

MISSION STATUS

Location: Cross Seamount

Mission Date: Nov.16, 2000

Maximum Depth: 458m

Project Title: Precious coral, monk seal forage habitat

Principal Investigator: Frank Parrish

Address: 2570 Dole St.
Honolulu, Hawaii 96822

Phone: (808) 983-5391

Observer 1: Frank Parrish

Address: as above

Observer 2: Rick Grigg

Address: Oceanography Dept.
SOEST
University of Hawaii

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

Pinnacles on the NE side of the seamount were identified with a preliminary SeaBeam survey. First pinnacle was found to have an abundance of gold and red coral. Temperature archives were deployed on the summit. The second pinnacle encountered had fewer trees of exclusively gold coral and all were large. The third and last pinnacle was largely barren but school of Cooke sharks was encountered. Carbonate particles were found on each of the three pinnacles.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Laser calipers were out of calibration.

Recommendations for corrective action or improvement:

Corrected on surface

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

The mission fully achieved its goals. A significant precious coral bed was found and enough data was collected to move the bed from "exploratory" status to a more regulated status of "conditional".

List specimens or samples collected on the mission.

Three coral specimens were collected for Baco-Taylor and the carbonate rocks were collected as evidence of a fossil reef complex and for dating purposes.

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

___Precious corals – monk seal foraging_____ (project title)

held on_____ (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).

_____ Principal Investigator