HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P4-033

MISSION STATUS

Location: Cross Seamount

Mission Date: Nov. 07, 2001

Maximum Depth: 418 m

Project Title: Monk Seal – Precious Coral Interaction

Principal Investigator: Frank Parrish

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Observer 1: Richard Grigg

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Honolulu, HI 96822

Observer 2: Robert Humphries

Address: same

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

Objectives:
1. Survey abundance and distribution of gold (Gerardia sp.) and red/pink corals.
2. Collect samples of the same
3. Collect samples of the substrate for age dating
4. Survey abundance and distribution of bottom fish

All four objectives were accomplished.

1. Gold coral abundant (over 150 colonies counted), limited to tops and upper slopes of steep drop-off, between 365-394m. Most colonies large (about 1.0m high). Red and pink coral present but scattered, not in commercial abundance.
2. Samples of gold and red coral (Corallium regale) collected.
3. Samples of substrate collected at summit (343m) of basalt pinnacle named Jurassic Park.
4. Bottom fish enumerated along entire transect, bait station conducted at 385m. Species attached primarily Polymixia and small conger? Eels and 2 cook sharks and 1 6-gill (Hexacanthus) shark. Sediment samples colleted at the bait station.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

All objectives accomplished.

Recommendations for corrective action or improvement:

None, pilot (Chuck Holloway) did an excellent job.

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

100%

List specimens or samples collected on the mission.

Gerardia sp.
Corallium regale
Basalt substrate
Sediment sample

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

_____ (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