HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P5-455

MISSION STATUS

Location: East French Frigate Shoals

Mission Date: Sept. 8, 2001

Maximum Depth: 369 m

Project Title:

Principal Investigator: Frank Parrish

Address: National Marine Fisheries Service
2570 Dole St.
Honolulu, HI 96822

Phone:

Observer 1: Frank Parrish
Starboard

Address:

Observer 2: Walter Ikehara
Port

Address: Division of Aquatic Resources
1151 Punchbowl St. #330
Honolulu, HI 96813

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

OBJECTIVES: Locate gold coral bed at East French Frigate Shoals, locate previously marked gold coral colonies, retrieve markers (pots) with time-temperature recorders, place replacement markers, survey gold bed boundaries, identify fish and invertebrates.

Reached bottom 365 m at 0849, proceeded to coral bed location at 359 m depth. Took sediment samples at three locations, retrieved and replaced markers. Clipped gold coral trees to mark them. Deployed camera at marker 12 for later retrieval. "Filmed" close-up video of various fish and invertebrate species, including Owstonia, Grammatonotus laysanus and "diamond tails," and an unidentified species of uncommon beauty. The fish had a Grammatonotid shape, most of the body was bright yellow, with a orange or magenta stripe along the dorsal edge extending from snout to caudal peduncle, lateral extensions of the stripe extended down the sides of the body. The fins were edged in fuchsia or purple. The caudal fin was composed of long fuchsia filaments, the fin being greater than ½ body length with the fin membranes extending only 1/3rd the length of the fin. The filaments split into two or more filaments. After lunch, performed transects to survey the coral bed boundaries to the north and east. Identified fish and invertebrates seen on the transects. Left bottom at 1533 at depth 357 m.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

The only operational problem of note was an electrical fault which resulted in a 90-95% ground on the 24V positive line, but this did not affect operations. No other problems were noted. We had no difficulty in completing the mission.

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, all objectives were met.

List specimens or samples collected on the mission.

3 sediment samples were taken. No other samples collected.

Dive P5-455

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