HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT DIVE: P4-096

MISSION STATUS

Location: French Frigate Shoals, NWHI

Latitude: 23°55.1978 **Longitude:** 165°23.0586

Mission Date: 9/11/2003 **Duration:** 8 h 16 min

Maximum Depth: 380 m

Project Title: Characterization of deepwater fish and precious corals on the seamounts neighboring Hawaii's most remote monk seal colonies.

Principal Investigator: Frank Parrish

Address: Pacific Island Fisheries Science Center
2570 Dole Street
Honolulu, Hawaii 96822

Phone:

Observer 1: Frank Parrish **Observer 2:** Pat Greene

Address: same as above **Address:** National Geographic
1145 17th St NW
Washington, DC 20036-4688
pgreene@ngs.org

Pilot 1: Terry Kerby **Pilot 2:**

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

Objectives:
The object of this dive was to revisit the gold coral bed at French Frigate Shoals and re-inspect marked colonies from earlier years for evidence of growth. Archival instruments to measure temperature and flow were deployed.

Sub descended within 180 m of the coral bed. Our transit to the bed was delayed by nearly 2 hours because we had to hide from a current which we couldn't make headway against. Bottom was a mixture of basalt and manganese covered carbonate. Gold corals were encountered encrusting 10 m high pinnacles. Once we arrived at the study site on the top of one of the pinnacles at the center of the bed corals marked previously were examined for evidence of growth.

Species List:
Please mark whether -single; -few (2-10); -many (11-100); -abundant (>100)

(e.g., Symphysanodon maunaloae-many)

Carcharinus galapagus-single
Chaunax umbrinos-few
sphenanthias-few
scorpanid sp. -few
Grammotonotus sp.-few
Grammatonotus macrophthalmus-single
Antiginia sp.-many
Grammicdepis sp.-few
Laemonema rhodchir-many
Polymixia-many
Symphysanodon maunaloae-abundant
Hollardia gaslimi-few
stethopristes-few

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

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.

List specimens or samples collected on the mission.

Dive **P4-096**

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

Characterization of deepwater fish and precious corals on the seamounts neighboring Hawaii's most remote monk seal colonies.

(project title)

held on 9/11/2003 (date) in the following way:

a. CTD data by 9/9/2005 (date)

b. voice transcripts, video, and still camera film by 9/9/2005 (date)
c. other 9/9/2005 (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