

**HAWAII UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT MISSION NO. RCV-188**

**MISSION STATUS**

**Mission Date:** 09-30-02

**Location (island, bank, seamount, etc):** East French Frigate Shoals

**Specific Site (NE side, summit, etc):**

**Position (start latitude & longitude):** 23° 52.660/165° 49.658

**Depth range:** 298-301 m

**Project Title:** Impact of Bottomfishing in the NWHI Coral Reef Ecosystem Reserve

**Principal Investigator:** Christopher Kelley

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**Observer 1:** Chris Kelley  
**Address:** HURL

**Observer 2:** Rachel Shackelford  
**Address:** HURL

**Scientific Data Acquired: Prepare an abstract outlining your objectives, techniques, findings, etc.**Materials & Methods:

The overall goal of this project is to obtain data on bottomfish populations and their habitat for use in evaluating the impacts of commercial fishing in the NWHI Coral Reef Ecosystem Reserve. This particular dive was conducted on East French Frigate Shoals. Specific dive objectives were to survey the fish and invertebrate community at a known fishing site. Particular attention was paid to corals and other attached invertebrates that would be vulnerable to damage from anchors and fishing weights. To accomplish this objective, the ROV was deployed along a track running through the coordinates provided for the site. Observers noted all fish, invertebrates, and fishing debris encountered.

Scientific data acquired:

The terrain consisted of flat carbonate pavement. There were white Terriophylids all over the place.

**Table 1: Biological organisms observed during the dive.**

<b>FISHES</b>	<b>ECHINODERMS, CRUSTACEANS, &amp; MOLLUSKS</b>	<b>CORALS, SPONGES &amp; OTHER INVERTS</b>
Bembradium sp.	Coronaster sp.	Terriophylid
Bembrops sp1	Henretia sp.	Pennatulid orange
Hoplichthys citrinus	Astroceramus sp1	Antipathes sp.
Flabellum pavoninum	Pagurid crab	Sponge (vertebrae)
Ophidion neranolepus	Paromola crab	Dendrophyllid, white & yellow
Scorpaenid	hermit crab	Cirripathes spiralis
Antigonia	Stereocidarid hawaiiensis	Alcyonacian
Nathopus sp.	Cosmiometra crassiceris	Eguchipsammia sp.
Ophichthid eel ?	Seastar, white w/ brown stripes	Corallium niveum ?
Saurenhelys sp.	shrimp, red	
	irregular urchin test	

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.**

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 **RCV-1** held on 09--02.

- a. CTD data by 09--04
- b. video data by 09--04
- 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