

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-186

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): 24° /167°

Depth range: 145-165 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 was primarily carbonate with sediment dusting.

Table 1: Biological organisms observed during the dive.

FISHES	ECHINODERMS, CRUSTACEANS, & MOLLUSKS	CORALS, SPONGES & OTHER INVERTS
Isidid ?	octopus	anemone similar to that collected
scorpaenid	glass shrimp	Cirripathes spiralis
Epinephelus quernus	Stylocidaris rufa	Antipathes sp.
Luzonichthys earlei	shrimp, white with red stripe	
Suezichthys notatus	Stichopus sp.	
Prognathodes		
Geniakanthus		
Pseudanthias thompsoni		
Gymnothorax berndti ?		
Holanthias fuscipinnis		
Bodianus sanguineus		
Parapercis schauinslandi		
Novaculichthys woodi ?		
Geniakanthus personatus		
Sandichthys mento		
Choris balieui		
Gymnothorax sp.		
Seriola dumerili		

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None.

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.

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