

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-173

MISSION STATUS

Mission Date: 09-16-02

Location (island, bank, seamount, etc): Raita Bank

Specific Site (NE side, summit, etc): West Raita, Paka Site

Position (start latitude & longitude): 25° 31.698/169° 35.219

Depth range: 180-335 m

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

Principal Investigator: Christopher Kelley

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Observer 1: Rachel Shackelford
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Observer 2: Christopher Kelley
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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 Raita Bank. 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:

Sandy terrain with pebbles. Parts were rocky with sand channels. Some cobbles. Many areas were carbonate dusted with sand.

Table 1: Biological organisms observed during the dive.

FISHES	ECHINODERMS, CRUSTACEANS, & MOLLUSKS	CORALS, SPONGES & OTHER INVERTS
Bembrops sp1	shrimp	Tubularid hydrozoan
Gnathopis sp	Mursia sp	Antipathes sp.
Synagrops japonicus	Pagurid crab w/ big anemone	crinoid
Symphysanodon maunaloae	Chaetodiadema sp	Cirripathes spiralis
Morid	Stylocidaris calacantha	
Parabothus coarctatus	hermit crab	
Etelis carbunculus	Cerianthid short, brown	
Scorpaena colorata	Plesionika flag	
Priacanthus alalaua	Cerianthid tall, brown	
Physiculus sterops?	seastar	
unidentified fish – Ariomma sp?		

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None

Recommendations for corrective action or improvement:

None

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-173** held on 09-16-02.

- a. CTD data by 09-16-04
- b. video data by 09-16-04
- 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