

**HAWAII UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT MISSION NO. RCV-181**

**MISSION STATUS**

**Mission Date:** 09-27-02

**Location (island, bank, seamount, etc):** West St Rogatien Bank

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

**Position (start latitude & longitude):** 24° 35.298/167° 20.737

**Depth range:** 560-600 m

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

**Principal Investigator:** Christopher Kelley

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**Phone:** 956-7437

**Observer 1:** Bruce Mundy

**Address:** NMFS

**Observer 2:** Rachel Shackelford

**Address:** HURL - see above

**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 W. St. Rogatien 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:

We dropped down to 600 m and ran a deep track parallel to the previous dive which started at 400 m. We were limited for time so we only ran for 30 minutes. The substrate was primarily sandy with one boulder at the end of the transect. There were several macrourids at the beginning of the dive

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

<b>FISHES</b>	<b>ECHINODERMS, CRUSTACEANS, &amp; MOLLUSKS</b>	<b>CORALS, SPONGES &amp; OTHER INVERTS</b>
Ventrifossa sp. (no spot on dorsal)	shrimp, red	Bathypathes conferta
macrourid, unidentified	anemone, dark spot in middle	Sericolophus sp.
Nettastoma sp.	anemone, orange (retracted)	
Ventrifossa atherodon	anemone, tan (retracted)	
Bathycongrus sp	anemone, long striped tentacles	
Satyrichthys sp. ?	anemone, tan speckled, stalked	
Lophiodes miacanthus	Stylocidaris sp.	

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.**

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-181** held on 09-27-02.

- a. CTD data by 09-27-04
- b. video data by 09-27-04
- 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