

**HAWAII UNDERSEA RESEARCH LABORATORY**

**QUICK LOOK REPORT MISSION NO. RCV-184**

**MISSION STATUS**

**Mission Date:** 09-28-02

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

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

**Position (start latitude & longitude):** 24° 31.934/167° 14.726

**Depth range:** 382-387 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

**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:

This dive was off the bank to the SE a ways. The terrain primarily consisted of sandy dunes, interrupted periodically with carbonate outcrops and rocks. It was a lot more interesting than the rhodolith fields on the top of the bank.

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

<b>FISHES</b>	<b>ECHINODERMS, CRUSTACEANS, &amp; MOLLUSKS</b>	<b>CORALS, SPONGES &amp; OTHER INVERTS</b>
Symphysanodon maunaloae	anemone, stalked, red	Anthomastus sp.
Hymenocephalus sp.?	hermit crab in cone shell	Javania sp.
Gnathopis sp?	Galatheid on gorgonian	Calibelemnon symmetricum
Cyttomimus stelgis	Calliaster pedicellaris	Bathypathes patula
Scorpaenid	Stereocidaris hawaiiensis	sponge
	Stylocidaris calacantha	Regadrella sp1

MISSION EVALUATION:

**Limitations, failures, or operational problems noted:**

There was an alarm that caused us to terminate the dive early. Turned out to be a leak in the hydraulic system that the ROV team was able to fix.

**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-184** held on 09-28-02.

- a. CTD data by 09-28-04
- b. video data by 09-28-04
- 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