

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-185

MISSION STATUS

Mission Date: 09-28-02

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

Specific Site (NE side, summit, etc): SE side, further away from bank than last dive

Position (start latitude & longitude): 24° 28.662/167° 13.095

Depth range: 385-395 m

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

Principal Investigator: Christopher Kelley

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Observer 1: Sean Corson

Address: NWHI CRER

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:

The terrain consisted of sand dunes interspersed periodically by carbonate ledges and outcrops. There was a strong current that often made it difficult for the pilots to maneuver the vehicle. Several *Javania* sp. were scattered over the sandy fields. There were several clusters of *Anthomastus* and *Javania* associated with each other.

Table 1: Biological organisms observed during the dive.

FISHES	ECHINODERMS, CRUSTACEANS, & MOLLUSKS	CORALS, SPONGES & OTHER INVERTS
Ophidion sp.	squid	<i>Javania</i> sp.
<i>Chrionema chryseres</i>	shrimp	<i>Lyrocteis</i> sp.
Scorpaenid, white w/ orange stripe	<i>Stereocidaris hawaiiensis</i>	<i>Calibelemnon symmetricum</i>
<i>Satyrichthys engyceros</i>	<i>Astroceramus</i> sp.	<i>Anthomastus fisheri</i> ?
<i>Symphysanodon maunaloae</i>	sea biscuit	<i>Gardinaria</i> sp.
<i>Laemonema rhodochir</i>	<i>Paramunida hawaiiensis</i>	<i>Regadrella</i> sp.
<i>Physiculus rhodopinnis</i>	sponge, round	
<i>Bembrops filifera</i>	urchin test	
	<i>Pleurobranch</i> , yellow	
	<i>Peurobranch</i> , black	

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-185** 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