HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. P4-051

MISSION STATUS

Mission Date: 09/15/02

Location: Raita Bank, Northwestern Hawaiian Islands

Specific Site: East side
Position start: 25° 30.738 169° 22.999
Depth range: 200-520m

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

Principal Investigator: Christopher Kelley

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Observer 1: Christopher Kelley
Address: See above

Observer 2: Frank Parrish
Address: NMFS Honolulu Laboratory,
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96822

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, one of two Reserve Preservation Areas (i.e., RPAs) provisionally open to bottomfishing. Specific dive objectives were to assess bottomfish populations and survey the fish and invertebrate community at a known fishing site. To accomplish these objectives, a set of four thirty minute transects and two thirty minute bait stations were conducted within the depth range of 200-350 meters, where most species of bottomfish occur. The four transects were conducted at 200, 250, 300, and 350 m.The two bait stations were conducted at 250 and 350 meters.

Scientific data acquired:

All planned surveys were completed. The bait station at 350 m was a little dark on the RO camera but usable. Both bait stations attracted E. quernus, E. coruscans, E. carbunculus, S. dumerili, G. nuttingi.

Table 1: Biological organisms observed during the dive.

FISHES	ECHINODERMS, CRUSTACEANS, & MOLLUSKS	CORALS, SPONGES & OTHER INVERTS
Ammodytoides pylei	Galatheid	Anthomastus fisheri
Chascanopsetta prorigera	Neopilumnoplax major	Anthomastus red
Parabothus coarctatus	Homolid	Anthomastus sp
Grammatonotus sp	Paromola sp	anemone brown
G. laysanus	Lyrocteis sp	anemone orange
Seriola dumerili	Pinna muricata	Bolocera sp
Roa excelsa	Octopus	Bathypathes patula
Chaunax umbrinus	pagurid in mollusk shell	Cirrhipathes spiralis
Epigonus sp	Coronaster eclipes	Corallium regale
Hexanchus griseus	Henricia robusta	Corallium tortuosum
Myripristis chryseres	Stylocidaris rufa	Acanella dispar
Pristilepis oligolepis	Echinothurid	Calyptrophora sp
Bodianus cylindriatus		Pennatulid sp
B. sanguineus		Gardinaria hawaiiensis
B. vulpinus		zoanthid blue
Suezichthys notatus		
Etelis carbunculus		
E. coruscans		
Pristipomoides sieboldii		
P. zonatus		
Hymenocephalus antraenus		

Gymnothorax nuttingi
Myctophid
Kentacapros aculeatus
Pseudopentaceros wheeleri
Bembrops filifera
Bembrops sp1
Chrionema chryseres
Chrionema squamiceps
Parapercis roseoviridis
Chromis struhsakeri
Priacanthus alalaua
Neomerinthe rufescens
Pontinus macrocephalus
Scorpaenid
Caprodon schlegeli
Epinephelus quernus
Holanthias elizabethae
Liopropoma aurora
Plectranthias kelloggi
Pseudanthias fucinus
Symphysanodon maunaloae
S. typus
Satyrichthys engyceros
Cyttomimus stelgis

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No problems

Recommendations for corrective action or improvement:

NA

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished.

All goals accomplished

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

P4-051 held on 09-15-02.

a. CTD data by 09-15-04

b. video data by 09-15-04

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