HAWAI‘I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT (QLR) for *Pisces* and *RCV-150*

DIVE: _P4-178_____

(*Extend length of sections as needed/appropriate*)

MISSION STATUS

Location: __Off of La’au Point, Molokai, FRP artificial reef_____

Latitude: _21° 02.112__ **Longitude:** _157° 19.163___

Mission Date: **_11/01/06___** **Duration:** __8_ hours __1__ mins

Maximum Depth: _125_ meters

Project Title: __Artificial Reef Surveys_

Principal Investigator: _Raymond Boland_____

Address: ____Pacific Islands fisheries Science Center NMFS____

____2570 Dole Street Honolulu, Hawaii 96822 _____

_____

Phone: ____808-983-5716_____

Observer 1: _Ray Boland___ **Observer 2:** __Robert Moffitt___

Address: _____ **Address:** __PIFSC_____

_____ ___2570 Dole St_____

_____ _Honolulu, HI 96822___

Pilot 1: _Max Cremer_____ **Pilot 2:** _____

Scientific Data Acquired: Prepare an abstract outlining your objectives, techniques, findings, etc.

Objectives:

1) Relocate Fiberglass Reinforced Plastic (FRP) artificial reef deployed in 1985 and last surveyed in 1988.
2) Survey fish and invertebrates associated with the reef.

Observations, findings, etc:

FRP reef was located after 5 and a half hour of searching. Fish and invertebrate surveys of the reef were made. Sonar surveys of the reef were made by the sub for relocation purposes.

Observed Species list:

Fish: *Seriola dumerili*
Caranx lugubrious
Caranx ignobilis
Naso hexacanthus
Chaetodon miliaris
Chaetodon fremblii
Heinochus dipherutes
Arisoma marginum
Lutjanus kasmira
Pristipomoides filamentosus
Aprion virescens
Aulostomus chinensis
Holanthias fuscipinnis
Lactoria diaphana
Oxycirrhites typus
Pseudholocanthus arcuatus
Dasyatis hawaiiensis
Gymnothorax flavimarginatus
Carcharhinus amblyrhynchos

Inverts: *Anniculus maximus*
Carijoa riisei
Antipathes sp.
Clypeaster leptostracom
Stylocidaris rufa
Octopus sp.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

No problems, all objective met.

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:

Objectives met

List specimens or samples collected on the mission:

An *Anniculus maximus* (hairy hermit crab), 7 *Clypeaster leptostracon*, and one *Octopus* sp. were brought up for Chris Kelley to take to the Waikiki Aquarium.

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 (Project title):

_____

_____

Held on _____ (date) in the following way:

a. CTD data by _____ (date)

b. Video and images by _____ (date)

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