HAWAI'I UNDERSEA RESEARCH LABORATORY

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

DIVE: _P4-181_____

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

MISSION STATUS

Location:__Off of La'au Point, Molokai, FRP artificial and deep concrete reefs_____

Latitude: _21° 02.153__ **Longitude:** _157° 19.109___

Mission Date: **_11/02/06___** **Duration:** __7_ hours _____ mins

Maximum Depth: _143_ 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:** _____

Address: _____ **Address:** _____

_____ _____

_____ _____

Pilot 1: _Colin Wollerman_____ **Pilot 2:** _Terry_Kerby_____

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

Objectives:

1) Relocate shallow concrete pipe artificial reefs deployed in 1985 and last surveyed in 1988.
2) Survey fish and invertebrates associated with the reef.

QLR continued

Observations, findings, etc:

Shallow concrete reefs located and surveyed for 2 hours. Northernmost reef, 6 pipe had the first row of pipes buried in a sand dune. Next reef of 6 pipes to the southeast was located next to the sand dune approximately 50 feet away. Third reef of 3 pipes was located approximately 150 feet to the southeast and the northernmost end was beginning to sink into the sand. The fourth and southernmost reef of 3 pipes was located 150 feet southeast. Traveled on a 190 heading for 1.9 Nm to the FRP reef. FRP located in strong current. Fish and invertebrate surveys of all five reefs were made. Continued on a S track for deeper water. Current became too strong to continue travel south so dive was ended at 1515 at a depth of 139 m.

Observed Species list:

Fish: *Seriola dumerili*
Naso hexacanthus
Chaetodon miliaris
Chaetodon fremblii
Heinochus dipherutes
Arisoma marginum
Lutjanus kasmira
Pristipomoides filamentosus
Aprion virescens
Aulostomus chinensis
Holanthias fuscipinnis
Oxycirrhites typus
Dasyatis hawaiiensis
Gymnothorax flavimarginatus
Anthias hawaiiensis
Anthias thompsoni
Labroides pthirophagus
Sargocentron sp.
Canthigaster jactator
Canthigaster coronata
Canthigaster epilampra
Apogon sp.
Naso brevirostris
Xanthicthys sp.
Cymolutes sp.

Inverts: *Carijoa riisei*
Antipathes sp.
Stylocidaris rufa
Lysmata amboinensis
Stenopus hispidus
Leptosaris sp.
Parthenope contrarius

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:

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