HAWAI‘I UNDERSEA RESEARCH LABORATORY

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

DIVE: _P4-180_____

(*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: **_11/01/06___** **Duration:** __4_ hours __54__ mins

Maximum Depth: _116_ 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:** __Frank Parrish___

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) Locate Fiberglass Reinforced Plastic (FRP) and relocate deep concrete pipe artificial reefs deployed in 1985 and last surveyed in 1988.
2) Survey fish and invertebrates associated with the reef.

Observations, findings, etc:

FRP reef located quickly and surveyed for an hour. FRP reef is 6 meters high. Traveled on a 020 heading for 775m to deep concrete pipe reefs. Current came up during travel. All four concrete pipe reefs located and surveyed. Fish and invertebrate surveys of both reefs were made. Continued on a SW track along 106 meter contour line surveying black coral trees, fish and *Carijoa riisei* abundance. Current became too strong to travel around bathymetric corner so dive was ended at 1315.

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
Oxycirrhites typus
Pseudholocanthus arcuatus
Dasyatis hawaiiensis
Gymnothorax flavimarginatus
Carcharhinus amblyrhynchos
Anthias hawaiiensis
Anthias thompsoni
Parupeneus chryseres
Labroides pthirophagus
Chromis verator
Chromis hanui
Sargocentron sp.
Canthigaster jactator
Canthigaster coronata
Canthigaster epilampra

Inverts: *Carijoa riisei*
Antipathes sp.
Entoplemetus occidentalis
Stylocidaris rufa
Astropyga radiate
Lysmata amboinensis
Stenopus hispidus
Leptosaris 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:

Two colonies of *Leptosaris* sp. were collected on a recovered hydroacoustic pinger and given to 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