

HAWAI'I UNDERSEA RESEARCH LABORATORY

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

DIVE: __R-459__

(Extend length of sections as needed/appropriate)

MISSION STATUS

Location: __Penguin Banks 3-fingers region__

Latitude: __21__° __01.7' N__ **Longitude:** __157__° __16.664' W__

Mission Date: __19-Oct-2010__ **Duration:** __0__ hours __45__ mins

Maximum Depth: __126__ meters

Project Title: __The Glacial Sea Level Lowstand Shoreline In the Hawaiian Archipelago__

Principal Investigator: __Fletcher-Rubin__

Address: __Dept. of Geology and Geophysics, Univ. of Hawaii__

__1680 East West Rd__

__Honolulu, HI 96822__

Phone: __808-946-5434 (Rubin)__

Observer 1: __Rubin__ **Observer 2:** __Fletcher__

Address: ____(see above)__ **Address:** ____(see above)__

Pilot 1: __Dan__

Pilot 2: _____

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

Objectives:

To scout and observe shoreline features, primarily coral reefs, associated with the last glacial maximum.

Observations, findings, etc:

The ROV landed at 130m depth and proceeded westward down to about 126 m depth and then back up to 110m, observing primarily sandy substrate.

Observed Species list:

Various bottom fish and algae.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

Momentary lack of data link with roV.

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, the deployment demonstrated that LGM reef material is not present at the shallow depth observed.

List specimens or samples collected on the mission:

none

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.

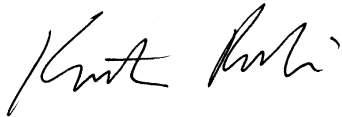
Fill in the appropriate statement below and sign this form.

I hereby release the data archived by HURL for public consumption following mission (Project title):

The Glacial Sea Level Lowstand Shoreline in the Hawaiian Archipelago

Held on 10/18/2012 (date) in the following way:

- a. CTD data by _____ (date)
- b. Video and images by 10/18/2012 (date)
- c. Other 10/18/2012 (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
Ken Rubin, for Chip Fletcher

(note: co-PI Rubin is the point-of-contact for the project while Fletcher is a SOEST Associate Dean)