

# HAWAI'I UNDERSEA RESEARCH LABORATORY

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

**DIVE:** \_\_\_ R-460 \_\_\_\_\_

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

### MISSION STATUS

**Location:** \_\_\_ Penguin Banks 3-fingers region \_\_\_\_\_

**Latitude:** \_\_\_ 21 \_\_\_ ° \_\_\_ 01.58' N \_\_\_                      **Longitude:** \_\_\_ 157 \_\_\_ ° \_\_\_ 18.54' W \_\_\_

**Mission Date:** \_\_\_ 20-Oct-2010 \_\_\_\_\_ **Duration:** \_\_\_ 1 \_\_\_ hours \_\_\_ 1 \_\_\_ mins

**Maximum Depth:** \_\_\_ 147 \_\_\_\_\_ 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) \_\_\_\_\_

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**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 127m depth, proceeded westward down to about 147 m depth and then back up to 113m, observing primarily sandy substrate.

Observed Species list:

Various bottom fish and algae.

**MISSION EVALUATION:**

**Limitations, failures, or operational problems noted:**

**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, if present, is covered by sand at the depths 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.

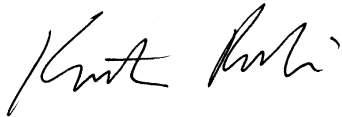
I hereby release the data archived by HURL for public consumption following mission (Project title):

### **The Glacial Sea Level Lowstand Shoreline in the Hawaiian Archipelago**

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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).



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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)