HAWAI'I UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT (QLR) for *Pisces* and *RCV-150*

DIVE: _P4-171_____
(*Extend length of sections as needed/appropriate*)

MISSION STATUS

Location: ___Hilo 280m feature_____

Latitude: __19˚53.12' **Longitude:** ___-155˚01.65'

Mission Date: ___10-20-2006___ **Duration:** _7_ hours _16_ mins

Maximum Depth: __330__ meters

Project Title: _____

Principal Investigator: __Dr. Don Potts_____

Address: _____

___UCSC_____

___Santa Cruz, CA _____

Phone: _____

Observer 1: ___Christina Ravelo__ **Observer 2:** _____

Address: _Ocean Sciences Dept_____ **Address:** _____

1156 High Street____

Univ. of Calif., Santa Cruz, CA 95064

Pilot 1: _Terry Kerby_____ **Pilot 2:** _Colin Wollerman_____

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

Objectives: Explore 280m feature, and obtain samples of fossil reef for age dating and paleoenvironmental assessment.

Observations, findings, etc: The 280 feature is comprised of carbonate deposits with some basalt flows. Basalt outcrops were observed over carbonate pavement in several locations between about 293 and 278m. The entire region that we explored had many patches and some regions of expansive carbonate pavement. In some locations there were gullies where strata below the pavement were exposed. Above about 270m, there was a sediment platform with few features and no outcrops. We collected 11 rock samples and 1 sediment sample.

Observed Species list: N/A geologic specimens

MISSION EVALUATION:

Limitations, failures, or operational problems noted: None.

Recommendations for corrective action or improvement:

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished: We collected carbonate rocks that will be used to characterize this feature, but as of yet are not sure that we have material that can be dated so that we can meet our scientific objectives.

List specimens or samples collected on the mission: 11 rock samples and 1 sediment sample.