

**HAWAI'I UNDERSEA RESEARCH LABORATORY**  
**QUICK LOOK REPORT DIVE: PV-531**

**MISSION STATUS**

**Location:** Laysan

**Latitude:** 25° 38.7484 N

**Longitude:** 171° 26.8867 W

**Mission Date:** 16 October 2003

**Duration:** 1 hour, 8 minutes.

**Maximum Depth:** 1806 m

**Project Title:** Seamount Surveys of Deep-Water Coral Distributions as Related to Geological Setting in the Northwestern Hawaiian Islands

**Principal Investigator:** Amy Baco-Taylor

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**Phone:** (508) 289-2331

**Observer 1:** Amy Baco-Taylor

**Observer 2:**

**Address:** See above.

**Address:**

**Pilot 1:** Max Cremer

**Pilot 2:** Terry Kerby

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

Objectives:

1. To perform observational transects of invertebrate fauna along a seamount located southeast of Laysan.
2. Collect invertebrate samples for identification and for voucher specimens.
3. Collect rock samples to characterize geologic setting.

**Observations, findings, etc:**

We landed on the bottom in sandy sediment with basalt or manganese coated rock cobble. We moved to 1800 m depth and began a 500m horizontal transect. A 6-armed crinoid was abundant, with 3-4 individuals per m<sup>2</sup> along most of the transect. One of these crinoids was collected for identification. Along the transect we passed a few outcrops of basalt. Near the end of the end of the transect, the dive was terminated due to thruster problems. We collected a couple rocks and a small cnidarian and returned to the surface on ballast.

**Species list:**

Please mark whether S-single; F-Few (2-10); M-Many (11-100); A-Abundant (>100)

6-arm crinoid – A

white cnidarian stick – M

Semprella sponges – M

Other stalked sponge – M

Red stalked crinoid – S

Shrimp – F

Bamboo stick –F

**MISSION EVALUATION:**

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

The dive was terminated after < 1 hr on the bottom due to thruster difficulties.

**Recommendations for corrective action or improvement:**

They are working on fixing the thrusters

**In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished.**

We completed one transect at 1800 m depth, but did not begin a vertical transect or the other horizontal transects.

**List specimens or samples collected on the mission.**

- 1 -crinoid
  - 1 – cnidarian
  - 2 – rocks

1 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  
**Seamount Surveys of Deep-Water Coral Distributions as Related to Geological Setting in the Northwestern  
Hawaiian Islands**

(project title)

held on 16 October 2003 in the following way:

- a. CTD data by 16 October 2005 (date)
- b. voice transcripts, video, and still camera film by 16 October 2005 (date)
- c. other 16 October 2005 (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