

HAWAII UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT MISSION NO. RCV-030

MISSION STATUS

Location: off of Keahole Pt, 800m

Mission Date: August 4, 1999

Maximum Depth: ~ 850 m

Project Title: Ocean CO<sub>2</sub> sequestration

Principal Investigator: Eric Adams / Stephen Masutani  
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Observer 1: Lars Golmen

Observer 2: Eric Adams

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Address: See above

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

The general objective was to survey the bottom in the area of our proposed ocean CO<sub>2</sub> sequestration Experiment. Specific objectives included:

- 1) choosing suitable locations for two current meter deployments
- 2) visually characterizing benthic conditions to facilitate biological assessment
- 3) obtaining sediment samples to facilitate biological assessment

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

- 1) The ROV lost communications with the mother ship and had to return prematurely
- 2) The depth sensor appeared to read too high. (The ROV was reading depths of ~ 875 m when the ship was reading ~ 8775 m.)

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.

It would have been nice to have larger areal coverage, but the mission was considered successful

List specimens or samples collected on the mission.

~0.5 L of bottom sediment brought up from two cylindrical samplers strapped to ROV skids.

## 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

CO<sub>2</sub> ocean sequestration Aug 1999 Field Exp (project title)

held on Aug 4, 1999 (date) in the following way:

- a. CTD data by no limit (date)
- b. voice transcripts, video, and still camera film by no limit (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).

E. E. Q.

Principal Investigator