

HAWAII UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT MISSION NO. P5-254

MISSION STATUS

Location: NW of Kahoolawe
Mission Date: 10/13/93
Maximum Depth: 330 meters
Project Title: Past Sea Levels off Molokai
Principal Investigator: Jim Moore and Dave Clague
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U.S. Geological Survey
Hawaiian Volcano Observatory
Hawaii National Park, HI

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

Plan was to collect samples from -250 m reef northwest of Kahoolawe for dating of coral.

Collected 6 samples - preliminary examination indicates that they contain coralline material suitable for dating.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None. All systems were problem-free. Extreme west-directed currents were encountered.

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.

The mission clearly achieved its purpose to collect samples from the -250 drowned reef for U-series dating. Six good samples of coralline limestone were collected from reef face.

List specimens or samples collected on the mission.

<u>Sample</u>	<u>Depth</u>
(1) coralline limestone	305 m
(2) coralline limestone	305 m
(3) coralline limestone	305 m
(4) coralline limestone	315 m
(5) coralline limestone	310 m
(6) coralline limestone	310 m