

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_  
 Observer Tim Catterson (PIT) Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL sub ops.

Dive # PV-399  
 Date Oct. 14, 1998

Observer Jim Head Wt. \_\_\_\_\_  
 Observer Title/Affil. Brown University

Time of Dive 0812  
 Time of Surface 1710  
 Time Submerged 8:58  
 Time Thru Last Dive 2524:36  
 Total Time to Dive 2533:34  
 Dive Depth 1212<sup>m</sup>  
 Water Depth 1212<sup>m</sup>  
 Water Temp. 3.4°C @ 1200<sup>m</sup>  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Bob Hayes

Dive Location Loihi, East Summit  
 Lat. 18°54.8'N Long. 155°14.5'W

Purpose: Research Training Demo

Other: \_\_\_\_\_

Special Equipment:

Camera (type) Sony, Panasonic, Photossea

Manipulator Titan, Hyco

Other \_\_\_\_\_

Support Vessel R/V Kaimikai - O. Kenaloa

Dive Results/Remarks: Sediment sampling dive and pilot training.

0930 1196<sup>m</sup> land on a flat sandy bottom. Fine grey mud. Move a short distance and discover an eroded gully with exposed layering. Take sediment scoops and attempt a box core. Heavy silt and no current reduce visibility to zero. Attempt to locate box core with sonar. Unable to distinguish box core from basalt rubble as a sonar contact. Visibility is zero with no sign that the silt is dissipating. Leave a bottom marker and move south to HUGO. Locate HUGO and conduct a brief survey of the connector ports. This is the first view of HUGO since the float block came off, and the condition must be assessed before the power supply test can be conducted. Except for the missing float block, HUGO appears unchanged since the January dives. Complete survey and move North to relocate lost box core.

Equipment Deficiencies: Locate box core and marker and move North.

1429 1110<sup>m</sup> Collect glassy pebble sized fragments and black sand from the summit of a cone. Locate other layered area and black sand. Collect rocks and sand in sediment scoops.

Pilot Terry Kerby

Date 10/14/98

Ops. Mgr. [Signature]

Date 10/19/98