

PISCES V DIVE REPORT

Pilot T. Kerby Wt. _____
 Observer Co-Pilot - Tym Catterson Wt. _____
 Observer Title/Affil. HURL sub ops

Dive # PV-343
 Date Jan. 19, 1998

Observer Fred Duennebier Wt. _____
 Observer Title/Affil. University of Hawaii

Time of Dive 0857

Dive Location Loihi, East Summit,

Time of Surface 1634

Lat. 18°57.7'N Long. 155°14.639'W

Time Submerged 7:37

Purpose: Research Training Demo

Time Thru Last Dive 2096:17

Other: _____

Total Time to Dive 2103:54

Special Equipment:

Dive Depth 1202m

Camera (type) Sony, Panasonic, Photosea

Water Depth 1202m

Manipulator Titan, HYCO

Water Temp. 3.7°C @ 1202m

Other Collecting baskets & box, Cutter

Visibility _____

Support Vessel R/V Kaimikai-O-Kenaloa

ABT # at Neutral _____

Captain Bob Hayes

Dive Results/Remarks: The purpose of this dive is to locate HUGO and determine whether it can be reactivated or must be salvaged. Land on a flat mud/clay bottom in 1202m. Move N.E. Encounter uneven terrain and some rock outcrops. Moved up to 1196m. Move NNW. 1054 Locate cable. Move south along cable. Cable becomes buried in mud. 1101 Locate HUGO. Cable is buried in mud for about 40-50m to HUGO. HUGO is buried in the mud to about 4-6" below the connector ports. Land on East side of HUGO. Pisces creates a dense silt cloud that lingers in the negligible current. Zero visibility. Maneuver into position on stbd side of HUGO to within one meter using Tritech Imaging

Equipment Deficiencies: Sonar. Begin work on HUGO when cloud clears. Remove Guard Bar. Disconnect power regulator connector. Cut anchor cable. Cable disappears under the mud behind HUGO. Test complete. System is operational. Connect new hydrophone and perform several other tasks. Sub becomes sluggish with accumulated mud in skirts and bottom pan. Release ascent wts. Sub remains on bottom. Must thrust off bottom to return to surface.

Pilot Terry Kerby

Date 1/23/98

Ops. Mgr. WJK

Date 1/23/98