

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Max Cremer Wt. _____
 Observer Title/Affil. HURL Sub ops. P. I. T.

Dive # PV-510
 Date December 12, 2002

Observer Rick Coffin Wt. _____
 Observer Title/Affil. Naval Research Lab.

Time of Dive 0845
 Time of Surface 1652
 Time Submerged 8:07
 Time Thru Last Dive 3276:59
 Total Time to Dive 3285:06
 Dive Depth 1328m
 Water Depth 1328m
 Water Temp. 3.1°C @ 1157m
 Visibility _____
 ABT # at Neutral _____
 Captain Ross Barnes

Dive Location Loihi, Pele's Pit.
 Lat. 19° 54.45' N Long. 155° 15.75' W

Purpose: (Research) Training Demo

Other: _____

Special Equipment:

Camera (type) Sony digital. Ros Color-Gitter 6m
 Manipulator Titan. HYCO
 Other _____

Support Vessel R/V Kaimikai-O-Kemaloa

Dive Results/Remarks:

NRL dive on Loihi to conduct CO2 experiments.
0950 1157m Land on a steep talus slope on the West slope of
Pele's Pit. 0952 Moving up slope to 1104m then contouring to
marker #18. 1007 1104m at #18. 1010 Begin descent into the pit.
1036 1328m On the bottom of the pit. 1037 Move up slope to
1321m then contour to the Southeast to marker #12. 1350 1321m
at #12. Recover two traps, Video of bait parcel remains. Recover
lead wts. Recover two more lead wts from bait parcel at marker #28.
1121 Moving to Boiling Pot. 1128 1310m at Boiling Pot.
1131 Move up slope to #37. 1150 @ #37. Recover marker #50
out of sediment. Hear landslides on communications hydrophone
Move away from well until rock fall noise subsides. 1200 Conducting
vertical wall transects above marker #37. 1213 Take two gastight
samplers. Shimushin samplers. Move up slope into spillway along
Equipment Deficiencies: ~~base~~ base of vertical wall. Very intense venting along base
of well. Move up to 1269m to old marker #47 site and deploy marker
#32. 1424 Move down to marker #35. Conduct amphipod experiments.
1514 Moved back up to #32 and exit pit out of spillway.

Pilot Terry Kerby

Date 12/15/02

Ops. Mgr. [Signature]

Date 12/15/02