

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_  
 Observer Colin Wollerman Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL sub ops. PIT

Dive # PV-506  
 Date Dec. 7, 2002

Observer Craig Smith Wt. \_\_\_\_\_  
 Observer Title/Affil. University of Hawaii

Dive Location Loihi. Pele's Pit  
 Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Purpose:  Research  Training  Demo

Time of Dive 0826  
 Time of Surface 1416  
 Time Submerged 5:50  
 Time Thru Last Dive 3249:32  
 Total Time to Dive 3255:22  
 Dive Depth 1321m  
 Water Depth 1321m  
 Water Temp. 3.0°C @ 1152m  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Ross Barnes

Other: \_\_\_\_\_  
 Special Equipment:  
 Camera (type) Sony - Pos Color/B&W  
 Manipulator Titech/Hyco  
 Other \_\_\_\_\_  
 Support Vessel R/V Kaimikai-O-Kanaloa

Dive Results/Remarks: NRL dives to conduct CO<sub>2</sub> experiments on  
Loihi. 0934 1152m On the bottom in 1152m. 0946 Move upslope to  
marker #18. 1009 1104m at #18. 1015 Begin descent into the pit. 1038  
1268m See wall to the south. Southern feature of gateway. 1048 On bottom  
Contour to the South East to marker #12. at 1321m. 1055 At Marker #12.  
Trap is full of amphipods. 1104 Deploy trap #4. Recover trap #2. Deploy  
bait parcel. 1145 Move up the wall to marker #28. Bait parcel has been consumed.  
1150 Move to marker #40 at 1310m. Trap #1 at Marker #40 is full of amphipod.  
1213 Move to the South East to the Boiling Pot site. 1219 At Boiling  
Pot site. No venting. 1213 Move up to marker #35. Surface reports  
building wind & sea conditions. 1230 At #35 conducting observations  
of amphipods in vents. 1248 Surface requests Pisces V to abort dive  
and return to the surface. 1252 Move out to the South West away  
from vent site and jettison ascent weights from center of  
 Equipment Deficiencies: pit. 1359 On the surface. Make a rough water  
recovery.

Pilot Terry Kerby  
 Ops. Mgr. VAH

Date 12/9/02  
 Date 12/9/02