

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_ Dive # PV-505  
 Observer Max Cremer Wt. \_\_\_\_\_ Date December 6, 2002  
 Observer Title/Affil. HURL sub ops. PIT  
 Observer Eric Vetter Wt. \_\_\_\_\_  
 Observer Title/Affil. Hawaii Pacific University  
 Dive Location Loihi, Pele's Pit  
 Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Purpose:  Research  Training  Demo  
 Other: \_\_\_\_\_  
 Special Equipment:  
 Camera (type) Sony digital - ROS/B&W/color  
 Manipulator Titan-Hyco  
 Other \_\_\_\_\_  
 Support Vessel R/V Kaimikai-O-Kanaloa  
 Time of Dive 0831  
 Time of Surface 1710  
 Time Submerged 8:39  
 Time Thru Last Dive 3240:53  
 Total Time to Dive 3249:32  
 Dive Depth 1327m  
 Water Depth 1327m  
 Water Temp. 23°C @ 1327m  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Ross Barnes

Dive Results/Remarks: NRL dive to conduct CO<sub>2</sub> experiments in Pele's Pit. 0945 Land on a steep talus slope 1137m. Move up to marker #18, 1012 Begin descent into Pele's Pit. 1045 1326m on the bottom of the pit. Move upslope to 1310m. Contour to the S.E. 1100. At marker #28 at 1311m. Trap is gone. Bait is mostly devoured. 1111 Move to marker #40. Located lost trap from #11. End is missing. 1127 Deploy trap #1 at marker #40 site. 1140 Moved to 1318m to search for trap. Waiting for silt clouds to clear. Deploy trap #2 at marker #12 at 1321m. 1211 Take water sample. 1220 1316m. Locate lost amphipod trap from #28. Trap is full of amphipods. Recover trap and move to the SE to the Boiling pot. 1311 1310m at Boiling Pot site. Move upslope 1244 At marker #35 at 1273m. Take mishin sample. Temperature surges from probe fixed to basket vary from 6°C to 31.4°C. 1350 Move to marker #35 to move bait parcel out of vent. Decide to leave bait in vents. Move back to spillway area to investigate vents at south side. Slight outflow in spillway. Move back down slope and move to marker #40 in jet vent area. 1530 Move out into pit. 1553 Leave the bottom from 1326m.

Pilot Terry Kerby Date 12/9/02  
 Ops. Mgr. DK Date 12/9/02