

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. \_\_\_\_\_  
 Observer Chuck Holloway Wt. \_\_\_\_\_  
 Observer Title/Affil. HURL Pilot

Dive # PV-503  
 Date Dec. 4, 2002

Observer Magnus Eek Wt. \_\_\_\_\_  
 Observer Title/Affil. Institute of Ocean Science,  
Canada

Time of Dive 0837  
 Time of Surface 1720  
 Time Submerged 0842  
 Time Thru Last Dive 3223:33  
 Total Time to Dive 3232:15  
 Dive Depth 1327m  
 Water Depth 1327m  
 Water Temp. 2.3°C 3.6°C @ 1327  
 Visibility \_\_\_\_\_  
 ABT # at Neutral \_\_\_\_\_  
 Captain Ross Barnes

Dive Location Loihi - Pele's Pit  
 Lat. 18°54.405'N Long. 155°15.716'W

Purpose:  Research  Training  Demo  
 Other: \_\_\_\_\_

Special Equipment:

Camera (type) Sony-Ros

Manipulator Titan - HYCO

Other \_\_\_\_\_

Support Vessel R/V Kaimikai - O-Kanaloa

Dive Results/Remarks: NRL dives into Pele's pit to conduct CO2  
experiments. 0939 On the bottom in 1117m on a steep  
talus slope. 0943 Moving upslope to marker #18. 0952 At  
Marker #18, Take water sample. Descent into pit. 1029 1325m at  
the bottom of the pit. Take a water sample. Move to the Northeast  
to marker #42. 1132 At Marker #42 ridge, but marker #42 is  
missing. Deploy marker #40. Deploy bait parcel and trap.  
Move to marker #11. 1213 1305m @ Marker #11. Deploy trap. Move  
upslope to jet vent rock. Some venting at the base of the rock at the  
lower Jet Vent site. Move up over the boulder in the Jet Vent rock gully, then  
back down to marker #40 at 1310m. The trap has rolled down the slope,  
and the bait parcel is gone. Move to the southeast to marker #8 then on  
to the Boiling pot wall. Move upslope to marker #48. Staudigel samplers  
are still in place but covered with bacteria. Move down to north entrance

Equipment Deficiencies: of spillway where marker #47 was deployed during the  
2001 Loihi dives. 1414 Deploy marker #37. Deploy a bait trap and a bait  
parcel. Move to South entrance of Spillway to vent site where marker #51 had been  
deployed. #51 is missing. Strong venting. Move up and out of pit via spillway. 1614 Leave the bottom

Pilot Terry Kerby

Date 12/8/02

Ops. Mgr. VJP

Date 12/8/02