

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-612 Date: April 7, 2005
 Observer 1: Steve Price
 Affiliation: HURL subops - PIT Dive Location: Monowai Volcano - Kermadec
 Observer 2: Bob Embly Latitude: 25° 47.738' S
 Affiliation: PMEL - Ocean Exploration Longitude: 177° 10.253' W
 Purpose: Research Training Test
 Other: _____
 Time of Dive: 0857
 Time of Surface: 1659
 Special Equipment: _____
 Time Submerged: 8:02
 Cameras: Sony - ROS - DSPL still Time Thru Last Dive: 4046:44
 Manipulators: Titan - HYCO Total Time to Dive: 4054:46
 Samplers/Sensors: BioBox, Rosette Sampler, Temp Probe Dive Depth: 1372m
Gas tight Sampler, Major Samplers, CTD Water Depth: 1372m
 Support Vessel: R/V Kaimikai - O-Kanaka Water Temperature: 3.9°C @ 1372m
 Captain: Ross Barnes Visibility: _____

Dive Results/Remarks: First submersible dive ever on Monowai Volcano.
1009 1372m Land on a steep sedimented slope inside the Monowai
Volcano Caldera. 1020 1372m moving upslope to the south. 1105 1198m
Collect rock with small bivalves. Still no signs of hydrothermal activity. Continue
moving south. 1158 1078m still no signs of active venting but a higher
abundance of shrimp and crabs. 1203 1078m collect a pillow fragment. 1229
1150m in an area of dense live mussel beds. Temp in bottom 9.5°C. Ambient
temperature is 4.0°C. High concentration of mussels and shrimp. 1325 1028m
signs of active venting. 10.2°C in vent. collect a rock. 1376 1026m Collect
tube worms and mussels. 1411 1069m Notice rocky pinnacle features covered
with live mussels. 1414 Moving around ridge to explore margins of live
mussel beds and vent activity 1435 Drop down slope to the east to 1111m. Mussel
shell and crab fragments. Collect gastropod which is abundant. 1458 Move NE.
 Equipment Deficiencies: 1544 Trigger water samplers in diffused venting at mussel
bed site. 1549 Leave the bottom from 1052 m. Make a normal recovery in
rough seas.

Pilot's Signature: Terry Kerby Date: April 24, 2005
 Operations Director: Terry Kerby Date: April 24, 2005