

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: DV-622 Date: April 21, 2005
 Observer 1: Steve Price
 Affiliation: HURL Sub ops - PIT Dive Location: Rumble V volcano
 Observer 2: ~~Tom Wright~~ Malcolm Clark Latitude: 36° 09.015 S
 Affiliation: NIWA New Zealand Longitude: 178° 12.002 E
 Purpose: Research Training Test
 Other: _____
 Special Equipment: _____
 Cameras: ROS, Sony
 Manipulators: HYCO, Titan
 Samplers/Sensors: BioBox, Rosette, sediment
cores, major samplers, CTD, temp probe
 Support Vessel: R/V Kaimikai-O-Kenaloa
 Captain: Ross Barnes
 Time of Dive: 0811
 Time of Surface: 1223
 Time Submerged: 4:12
 Time Thru Last Dive: 4126:29
 Total Time to Dive: 4130:41
 Dive Depth: 796m
 Water Depth: 796m
 Water Temperature: 7.0°C @ 796m
 Visibility: 20m

Dive Results/Remarks: Dive to observe and collect geological and biological samples on active submarine volcano, Rumble V.
0909 Land on steep rugged pillow lava formations in 794m.
0938 796m Collecting biological samples. Conical starfish.
Moving to the north on a ridge of ropey pillow lava formations.
1113 555m near waypoint #3. 1115 Continue moving north. Tracking reports worsening wind and sea conditions. Move north to try to locate mussel beds and signs of hydrothermal activity.
1115 Surface support aborts dive. Will leave bottom at 1145. 1117
Locate vast areas of dead mussel shells. It appears that this was once a mussel bed and the hydrothermal activity subsided. The bottom is covered with mussel shell fragments. 1127 552m Locate live mussel shells and diffused hydrothermal activity. Collect mussels. Collect a rock
 Equipment Deficiencies: with filamentis bacteria growing on it. Take temp. of mussel bed bottom. 11.2°C. Trigger both major samplers in place. 1145 leave the bottom due to deteriorating wind and sea conditions from 474m. Make a normal recovery

Pilot's Signature: Terry Kerby Date: April 23, 2005
 Operations Director: Terry Kerby Date: April 23, 2005