

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-596 Date: October 21, 2004
 Observer 1: Max Cremer
 Affiliation: HURL subops pilot Dive Location: Loihi, Pitdive
 Observer 2: Frank Sansone Latitude: 18° 54.427' N
 Affiliation: University of Hawaii Longitude: 155° 15.765' W
 Purpose: Research Training Test
 Other: _____ Time of Dive: 0802
 Special Equipment: _____ Time of Surface: 1652
 Cameras: Sony DV-Ros color Time Submerged: 8:50
 Manipulators: Titan, HYCO Time Thru Last Dive: 3925:19
 Samplers/Sensors: Majors, Gas tight, Total Time to Dive: 3934:09
 Support Vessel: R/V Kaimikai-O-Kenaloa Dive Depth: 1327m
 Captain: Ross Barnes Water Depth: 1327m
 Water Temperature: 3.5° @ 1326m
 Visibility: 6m in pit.

Dive Results/Remarks: Survey and sampling dive in Pole's Pit.
0922 1125m. Land on a talus slope. 0933 Move upslope
to 1104m and contour to the east towards the edge of the pit.
0948 1104m locate marker #18 at the edge of the pit. 0953 Begin
descent into the pit. 1025 1326m land in the bottom of the pit. Very
poor visibility. We do not see the bottom at 6m altitude. 1027 Move
upslope to NE to 1310m. Contour to the ESE. Locate familiar outcrop
where marker #28 used to be. Move upslope to Jet Vent rock. Still
venting at upper Jet Vent site. Temp. 60.8°c. Take water samples and
deploy MTR, Glass Mat samplers (BACTRAP) and slide sampler. Trip niskin. Take bacteria
mat samples in rosette jars. Move back down and deploy marker #28 where #28
used to be. 1308 Move SE at 1310m to Boiling Pot site. Recent landslide
activity has buried the samplers. Temp. in sand is 53.5°c. Search for samplers.
Move upslope to #48 site. Marker #48 is missing. Move along ~~foot~~ at base of wall. Establish
Equipment Deficiencies: another sampling site. Deploy samplers. Take water samples. Deploy
marker #30. Trigger niskin. Move up vertical wall from 1262m to 1200m. Move out into pit!
Leave the bottom from a midwater depth of 1221m.

Pilot's Signature: Terry Kerby Date: 10/21/04
 Operations Director: Terry Kerby Date: 10/21/04