

PISCES V DIVE REPORT

Pilot <u>D. FOSSEN</u> Wt. _____	Dive Number <u>FS-193</u>
Observer <u>D. KARL</u> Wt. _____	Date <u>12 Oct 91</u>
Observer Title/Affil. <u>U of W</u>	
Observer <u>C. MOYER</u> Wt. _____	Time of Dive <u>0833</u>
Observer Title/Affil. <u>U of W</u>	Time of Surface <u>1536</u>
Dive Location <u>Loihi</u>	Time Submerged <u>7:03</u>
Lat. <u>18°54.6'N</u> Long. <u>155°16.0'W</u>	Time Thru Last Dive <u>1041:16</u>
Purpose: <u>Research Training Demo</u>	Total Time to Dive <u>1048:19</u>
Other _____	Dive Depth <u>1275 m</u>
Special Equip.: _____	Water Depth <u>1275 M</u>
Camera (type) <u>VED ; 35mm</u>	Water Temp. _____
Manipulator <u>Schilling ; 1740</u>	Visibility _____
Other <u>Bulkheads ; Deck Baskets</u>	ABT # at Neutral _____
Support Vessel <u>Kila</u>	Captain <u>R. BARBER</u>

Dive Results/Remarks: landed at 1275m on steep rocky slope. Moved uphill to 1240m, then south to locate Max's vents. Went through a broad area of hydrothermal activity - indicated by mat and some venting. Passed out of active area onto aged, well formed pillows. No sampling done at Max's vents. Moved up to Pele's Vents. Collected mat using bulkheads, rocks, and retrieved one slide stick before hydros failed.

Equipment Deficiencies: Schilling manip hyd pump stopped working.

- Replaced 120V circuit breaker & System checks good.

Pilot <u>[Signature]</u>	Date <u>14 Oct 91</u>
Ops. Mgr <u>[Signature]</u>	Date <u>10/17/91</u>