

PISCES V DIVE REPORT

Pilot <u>Allen Wright</u>	Wt. _____	Dive # <u>PV-309</u>
Observer <u>Co Pilot Terry Kerby</u>	Wt. _____	Date <u>9-30-96</u>
Observer Title/Affil. <u>HURL</u>		
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Observer <u>Chuck Hanoway</u>	Wt. _____	
Observer Title/Affil. <u>HURL / UH</u>		
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Dive Location <u>Loihi</u>		Time of Dive <u>0825</u>
Lat. <u>18° 54.6' N</u> Long. <u>155° 15.3' W</u>		Time of Surface <u>1700</u>
Purpose: <u>Research</u> Training Demo		Time Submerged <u>8:35</u>
Other: _____		Time Thru Last Dive <u>1828:46</u>
Special Equipment:		Total Time to Dive <u>1837:21</u>
Camera (type) <u>Sony Digital, Photoflex, Panasonic</u>		Dive Depth <u>1220m</u>
Manipulator <u>Schilling Titan, Nyco PFA</u>		Water Depth <u>1220m</u>
Other _____		Water Temp. _____
Support Vessel <u>R/V KOK</u>		Visibility <u>8m</u>
		ABT # at Neutral _____
		Captain _____

Dive Results/Remarks: LAND ON N SIDE OF "FAIRWAY" @ 1220M. Collect midwater SEDIMENT w/ Suction Sampler for 15 minutes. Move W along rubble slope to "WHITE SANDBOX" over the "White Ridge", around "Pinnacle Pte" and on to vent site. Collect bacterial mat samples with suction sampler from site 2. Move W to define westernmost border of vent field. Just W of site 2 MARKS ENTRANCE to "NOZONE". Move back to site 5, just NE of site 2, about 20m, and move upslope along ridge axis. Ridge is well defined steep rubble ridge, nontritic covered. Ridge changes to broken pillows @ 1123m. Cross large pillow blocks @ 1075m, mug upslope. Straddle ridge @ 1070m w/ fresh slide to port and broken small rubble to stbd, facing NW. Fly midwater to wedge of Pele's Pit Crater to sample midwater sediment in the area of

Equipment Deficiencies: upwelling ("The Exhaust Pipe"). Land on bottom @ 1117m and move E into Pit to collect midwater sample. Collect pumped sample for 20 minutes. Drop ascent wts @ 1128m.

Pilot <u>DW Red</u>	Date <u>10-13-96</u>
Ops. Mgr. <u>T. Kerby</u>	Date <u>10-13-96</u>