PISCES IV DIVE REPORT

Pilot T. Kerby Wt.
Observer Craig Smith Wt.
Observer Title/Affil. University of Hawaii

Observer Eric Vetter Wt.
Observer Title/Affil. Hawaii Pacific University

Dive Location Mero Reef
Lat. 25°31.087N Long. 170°24.811'W
Purpose: (Research) Training Demo
Other:
Special Equipment:
Camera (type) Sony - ROS color/B&W
Manipulator Hyco - Orion
Other Bait traps, bait parcels, sediment Cores
Support Vessel R/V Kaimikai-o-Kanaloa

Dive # P.IV - 099
Date September 15, 2003

Time of Dive 0815
Time of Surface 1635
Time Submerged 8:20
Time Thru Last Dive 716:36
Total Time to Dive 724:56
Dive Depth 681m
Water Depth 681m
Water Temp. 5.3°c
Visibility
ABT # at Neutral
Captain Ross Barnes

Dive Results/Remarks: Canyon survey dive to deploy bait traps and conduct survey transects. 0850 On the bottom in 647m. 0902 Move west to locate the main channel. Encounter steep carbonate walls and gulleys. 0919 681m in the base of the main canyon. Estimate in base of canyon by presence of coral rubble and shell debris. 0933 681m Begin transect upslope. 0947 600m. Complete transect. 0951 Move back downslope to the NE. 1040 645m Move down to the base of a wall. 1100 652m. Locate a favorable site for a study station. Deploy marker #26. Deploy bait trap #2. Deploy a bait parcel. Conduct a bait station. 1157 Searching for a suitable coring site.

~~Equipment Deficiencies:~~ Very light current and heavy turbidity make poor visibility. 1222 663m Able to take core #8 after silt clears. Take one more core in poor visibility. 1244 662m Move upslope to the SSW. Channel becomes less defined. 1401 390m Moving upslope to the SSW. 1412 349m moving Easterly to locate a suitable test site. 1437 Deploy trap and Bait Parcel at 349m. Deploy marker #25. Hyco arm fails. Contour test. 1500 Leave the bottom from 350m.

Pilot Terry Kerby Date 9/15/03

Ops. Mgr. [signature] Date 9/16/03