

PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: PS-648 Date: JULY 9, 2005
 Observer 1: DAWN WRIGHT
 Affiliation: OREGON STATE UNIVERSITY Dive Location: TAEMA BANK - FUTUULA
 Observer 2: DOUGLAS FENNER Latitude: S 14: 19. 861
 Affiliation: A.S. DEPT. MAR. WILDLIFE & FISH. Longitude: W 170: 40. 455
 Purpose: Research Training Test
 Time of Dive: 0916
 Other: _____ Time of Surface: 1612
 Special Equipment: _____ Time Submerged: 6:56
 Cameras: SONY DV, ROS COLOR/BW, EXT. STILL Time Thru Last Dive: 4328:38
 Manipulators: HYCO, TITAN 7F Total Time to Dive: 4335:34
 Samplers/Sensors: CTD-DO, COVERED CRATE Dive Depth: 215 m
 _____ Water Depth: 215 m
 Support Vessel: R/V KAHIKAI-O-KANALOA Water Temperature: ref. CTD data
 Captain: ROSS BARNES Visibility: CLEAR, 20+ m

Dive Results/Remarks: BENTHIC SURVEY OF UPPER REEFCHES OF
TAEMA BANK, 0935 109m Land on a gentle slope, Halimeda sand.
0946 Move upslope to 60m, course 000. 0955 60m Making observations on
 soft coral. 1040 37m Arrive at outcrop rich in reef coral. Surface
 surge moves soft around in a way harmful to coral substrate. Decide
 to move back downslope away from surge effect 1047. 1119 110m
 at edge of steep drop in area of large soft coral fans. 1127 Exploring
 vertical wall to depth of 215m. 1157 back up on ledge at 115m.
1221 Begin survey to E along 110m contour. Continue survey to E
 at 110m until end of dive, observing diverse marine fauna
 and some flora. One large, cushion shaped asteroid was collected
 and later released after images and measurement were taken
 aboard R/V K-O-K. 1542 Leave bottom from 130m. Make a normal recovery.

Equipment Deficiencies: Battery power seemed weak, possible due to shallow
& hot conditions. Hal lights were erratic. Video overlay missing.

Pilot's Signature: _____

Date: July 10, 2005

Operations Director: _____

Date: 7/11/05