

PISCES V DIVE REPORT

Pilot Terry Kerby Wt. _____
 Observer Steve Cairns Wt. _____
 Observer Title/Affil. Smithsonian Institute

Dive # PV-538
 Date October 24, 2003

Observer Wen Park Wt. _____
 Observer Title/Affil. University of Alaska

Dive Location Raita Bank
 Lat. 25° 38.358'N Long. 169° 19.071'W
 Purpose: Research Training Demo

Time of Dive 0805
 Time of Surface 1632
 Time Submerged 8:37
 Time Thru Last Dive 3494:40
 Total Time to Dive 3503:17
 Dive Depth 588m
 Water Depth 588m
 Water Temp. 5.7°C @ 577m
 Visibility _____
 ABT # at Neutral _____
 Captain Ross Barnes

Other: _____
 Special Equipment:
 Camera (type) Sony digital - ROS B&W/Color
 Manipulator Titan-Hyco
 Other _____
 Support Vessel R/V Kaimikai-O-Kanaloa

Dive Results/Remarks: Coral collecting dive a part of NWHI Ocean Exploration Expedition. 0840 Land in rocky terrain in 567m. Basalt or manganese coated carbonate. Rocky bottom with dendroid coral collect a shell and coral sample. Move to the SW searching for pink and red coral. Strong Southwesterly current. 0955 Collecting red corals along a vertical carbonate wall. Very strong SW current moving along wall makes collecting challenging. 1140 549m continue collecting red corals along wall. 1244 588m moving south. Dropping down along a vertical carbonate wall. Terrain is current scoured carbonate with no sediment buildup but current generated piles of coral debris. A flat carbonate plateau drops to a vertical wall about 80 to 100m high. The wall with the red corals was 10m high and ran SW. Move to the NW up the carbonate slope. Some signs of basalt terratics on current worn carbonate pebbles. 1430 Moved NW, 511m into
~~Equipment Deficiencies:~~ basalt flow ridges with sandy channels. Gold coral trees on basalt. Collect samples from large old growth Gold coral trees. This area can be considered a gold coral bed. 1537 Collecting gold coral tree samples. 509m, 1549 Leave the bottom from 509m. Make a normal recovery.

Pilot Terry Kerby

Date 10/25/03

Ops. Mgr. WPK

Date 10/25/03