Rev. 08-20-13

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: PV-877 Date: Nov 2, 2016

Observer 1: Brendan Roark

Affiliation: TAMU

Observer 2: Ellen Bartow-Gillies

Affiliation: TAMU

Purpose: (Research) Training Test

Equipment Used:

Cameras: Mini Zeus HD - ROS 5D

Manipulators: Titan 4 - HYCO

Samplers & Sensors: CTD, Bio Boxes, Fish Trap

Support Vessel: R/V Kaimikai-O-Kanaloa

Captain: Mike Hoshlyk

Dive Location: N. Site SE Hancock

Latitude: 29°49.323'N

Longitude: 179°03.850'E

Time of Dive: 0746

Time of Surface: 1736

Time Submerged: 9:50

Time Thru Last Dive: 3882:53

Total Time to Dive: 3892:43

Dive Depth: 805m 2640ft.

Water Depth: 805m

Water Temperature: 4.8°C @ 805m

Dive Narrative: Two sub dive to conduct coral sample collecting and surveys of the N SE Hancock site. 0838 Land in steep rocky basalt terrain in 803m. Land in a steep drainage gulley between vertical basalt walls. 0853 Collecting cup corals from debris. 0859 805m Move upslope from landing site to the South. Searching for a place to deploy the fish trap. Moving along vertical basalt walls. Sharp ridges extend from the walls and form pinnacle features standing off the wall with deep drainage gullys full of madrepora coral debris. Madrepora seems to thrive on these pinnacles and sharp ridges. 0949 Deploy bait trap and marker #1 on a flat shelflike area on one of the pinnacle features. 1000 Moving upslope collecting samples. Many red corals growing in madrepora rubble. No dredge lines, nets, or wrecking balls in this area. 1045 669m On top of a pinnacle that is the source for the madrepora coral debris. We had discovered condensed bales of Madrepora debris →

Pilot's Signature: Terry Kerby Date: 11/6/16

Operations Director: Terry Kerby Date: 11/6/16

in drainage gullys and could see barren areas with a dark compost like madrapora base where the 1.5m thick bales broke away and tumbled down the cliffs. 1050 Moving upslope to the South. Collecting samples. 1158 Collecting red coral samples off a vertical wall at 642m. 1214 638m on top of another pinnacle feature that is a source for Madrapora. Move upslope. 1308 602m. In a deep gully between vertical basalt walls collecting samples, Good stuff at the base of the walls. 1314 602m Moving upslope to the S. Collecting samples. 1402 598m Move NE and back down vertical terrain to locate bait trap. 1459 Locate and recover bait trap. 1509 Move East along vertical terrain. Collecting samples off a vertical wall. P4 arrives 1530 P4 leaves the bottom. 1543 Move East 1552 680m out of madrepora debris. Turn around and move west. Collecting samples 1646 Leave the bottom from 641m.