Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-320 Date: AUGUST 30, 2017

Observer 1: FRANK PARRISH

Affiliation: NOAA Dive Location: SOUTH KONA

Observer 2: MEGAN PUTTS Latitude: 19° 13.439' N

Affiliation: SOEST / HURL Longitude: 155° 54.683' W

Purpose: (Research) Training Test Time of Dive: 0830

Other: Time of Surface: 1510

Special Equipment: Time Submerged: 6:40

Cameras: MINI-ZEUS HD, ROS SD Time Thru Last Dive: 2194:40

Manipulators: ORION 7P, HyCO Total Time to Dive: 2201:20

Samplers/Sensors: MEDIUM BIO BOX, COVERED CRATE Dive Depth: 575m

Water Depth: 575m

Support Vessel: R/V KAIMIKAI-O-KANALOA Water Temperature: not recorded

Captain: MIKE HOSHLYK Visibility: GOOD, 20+m

Dive Narrative: DIVE ON HISTORIC LAVA FLOW, INVESTIGATING POTENTIAL CORAL HABITATS. 0910 575m land on the bottom on a steep, volanic talus slope. Talus is angular and unsorted with a light sediment dusting. There are some coralliums near the landing site. 0919 569m collect a coral sample with its hold fast attached to a small rock. 0927 move upslope W. 0939 519m collect a corallium stem. 1001 at the 450m contour, moving NE toward a bridge. 1008 450m start transect #1 at 450m from 19° 13.535' N; 155° 54.552' W. 1051 451m End transect #1 at 19° 13.808' N; 155° 54.528' W. 1041 continue N along the 450m contour. 1051 447m collect a coral sample in a very sparcely populated general area. 1105 continue N along the 450m contour. 1121 450m collect a basalt sample. 1126 move about 30m N to the apex of the bridge. 1137 442m collect another basalt sample. 1146 move upslope S. 1154 decide to veer to the bridge, then explore downslope. 1212 463m spot a solitary bamboo coral on the bridge. The dive has been surprisingly void of fauna. 1256 moving downslope to 600m, intending to veer to the landing site, where .... (cont.)

Pilot's Signature: [signature] Date: 9-11-17

Operations Director: Terry Kerby Date: 9/12/17

... there was the only site of coral abundance seen on this excursion.

1330 602m at the 600m contour, about 640m to the N of the landing site.

1404 575m arrive back at the landing site, looking for a sample to collect before leaving to leave bottom.

1410 560m collecting samples of corralium and rock.

1420 560m leaving the bottom.

Normal recovery.