Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: MIKE CREMER Dive #: PC-297 Date: SEPTEMBER 5, 2016

Observer 1: FRANK PARRISH

Affiliation: NOAA/NMFS

Observer 2: RYAN HUFF

Affiliation: HPU

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS SD

Manipulators: ORION 7P, HYDO

Samplers/Sensors: COVERED CRATE, OPEN CRATE

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: MIKE MOSHLYK

Dive Location: SOUTH KONA

Latitude: 19° 38.982

Longitude: 156° 02.540

Time of Dive: 1011

Time of Surface: 1610

Time Submerged: 5:59

Time Thru Last Dive: 2067:47

Total Time to Dive: 2073:46

Dive Depth: 896m

Water Depth: 896m

Water Temperature: not recorded

Visibility: VERY GOOD, 25+ m

Dive Results/Remarks: CORAL SURVEY ON HISTORIC LAVA FLOW. 1106 890m land on the bottom on a steep, rocky slope with sediment. After ballasting out, move SE towards ridge crest of the lava flow. 1121 896m deployed MKR "B" at 19°38.869'N, 156°02.828'W. 1151 moving upslope to E. 1221 756m deployed MKR "D" at 19°38.902N, 156°02.698W and collected one soft coral sample, possibly ACANELLA. 1243 move upslope to NE. 1315 600m deployed MKR "I" at 19°38.982'N, 156°02.540'W. 1326 following the ridge upslope. 1334 550m deployed MKR "A" at 19°38.982N, 156°02.508'W. 1350 507m deployed MKR "H" at 19°39.009'N, 156°02.516'W, and collect samples of pink coral (C. secundum) and dendrophyllia. Continue to move up ridge. 1427 400m deploy MKR "G" at 19°39.085'N, 156°02.392'W. Following the ridge upslope. 1443 350m deployed MKR "F" at 19°39.073'W. Continue to follow the ridge upslope. 1500 302m deployed MKR "C" at 19°39.089'N, 156°02.305'W. Continue upridge. 1514 270m collect red coral sample (C. regale). Continue upslope. 1535 220m deployed MKR "E" at 19°39.126'N, 156°02.240'W. 1544 Leaving the bottom from 220m. Normal recovery

Pilot's Signature: [signature] Date: 9-26-16

Operations Director: Terry Kerby Date: 10-17-16

For equipment deficiencies, refer to maintenance logs.