Rev. 09-06-12

# PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-284 Date: NOVEMBER 17, 2014

Observer 1: JOHN ROONEY

Affiliation: SOEST GRG

Observer 2: CHRIS OSTRANDER

Affiliation: SOEST DEAN'S OFFICE

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS SD

Manipulators: HYCO, ORION 7P

Samplers/Sensors: 3 ROCK CRATES

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: DON JACK

Dive Location: PENGUIN BANKS

Latitude: N 21° 00.469'

Longitude: W 157° 24.500'

Time of Dive: 0834

Time of Surface: 1558

Time Submerged: 7:24

Time Thru Last Dive: 1993:44

Total Time to Dive: 2001:08

Dive Depth: 179 m

Water Depth: 179 m

Water Temperature: not recorded

Visibility: good, 20+ m

Dive Narrative: GEOLOGY OF HAWAII: PALEOREEFS. 0856 179m land on the bottom on a gentle, sandy slope. 0904 move upslope N to the 140m contour. 0913 164m sample #1, bin 2. 0924 move E along contour. 0931 163m sample #2, bin 3. Continue E. 0939 162m sample #3, bin 3. 0959 159m sample 4, bin 3. 1013 157m sample 5, bin 2. 1025 158m sample 6a, b, bin 3. Continue E. 1044 162m sample 7, bin 4. 1102 159m sample 8, bin 4. 1114 157m sample 9, bin 6. 1125 156m sample 10, bin 6. 1144 156m sample 11, bin 6. 1200 moving E. 1247 sample 12 a, b, bin 4, depth ??. 1303 150m sample 13, bin 5. 1316 158m sample 14, bin 5. 1331 158m sample 15, bin 5. 1354 149m locate artifact, possibly anchor, old looking. Continue E along contour. 1429 155m sample 16, bin 5. 1436 155m sample 17, bin 1. 1459 152m sample 18, bin 1. 1517 155m sample 19, bin 1. 1526 157m ready to leave bottom. 1530 157m leaving the bottom. Normal recovery in SEA STATE 4.

Pilot's Signature: [signature] Date: 11-19-14

Operations Director: Terry Kerby Date: 11/20/14