Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-343 Date: NOVEMBER 6, 2017

Observer 1: BRENDAN ROARK

Affiliation: TEXAS A&M UNIVERSITY Dive Location: ACADEMICIAN SEAMOUNT

Observer 2: SAVANNAH GOODE Latitude: 28°48.328'N

Affiliation: FLORIDA STATE UNIVERSITY Longitude: 178°49.984'W

Purpose: (Research) Training Test Time of Dive: 1156

Other: Time of Surface: 1706

Special Equipment: Time Submerged: 5:10

Cameras: MINI-ZEUS HD, ROS SD Time Thru Last Dive: 2335:27

Manipulators: ORION 7P, HYCO Total Time to Dive: 2340:37

Samplers/Sensors: 3 BIOBOXES Dive Depth: 746m

Water Depth: 746m

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

Captain: MIKE HOSHLYK Visibility: variable, 20+ – 10+m

Dive Narrative: CORAL HABITAT SURVEY IN PROTECTED MONUMENT WATERS. 1238 746m land on the bottom on a gentle, sandy slope. 1243 move upslope E toward the 600m contour. 1248 732m collect METALLOGORGIA near the landing site. 1253 continue upslope NE and arrive at the base of a carbonate wall at 665m. 1306 632m collect PARAGORGIA at 28°48.463'N, 178°49.858'W. 1310 ~~collect~~ continue upslope. 1316 608m collect sample of a very large, branched bamboo. 1322 continue upslope and at 1325 600m arrive at the base of the next wall, 28°48.501'N, 178°49.871'W. 1333 START transect #1 to W. 1350 600m END transect #1 at 28°48.461'N, 178°50.161'W. 1352 contour at 600m for about 5 minutes. 1400 START transect #2 to W at 600m from 28°48.444'N, 178°50.274'W. 1419 603m END transect #2 at 28°48.484'N, 178°50.605'W and collect THOUARELLA, ANTHOMUICEA and a small H. LAVUNSA growing underneath a rock. 1448 contouring at 600m for about 5 minutes. 1502 599m START transect #3 from 28°48.531'N, 178°50.627'W at 600m to W. 1525 600m END transect #3 at 28°48.816'N, 178°50.769'W. 1530 moving up a barren, 200m high wall to 400m. 1551 from a toe hold in the wall, START transect #4 at 400m to SE.

→ OVER →

Pilot's Signature: [signature] Date: 11-13-17

Operations Director: Terry Kerby Date: 11-14-17

P4-343 (cont.)

... from 28°48.848'N, 178°50.642'W through mostly vertical terrain

1617 403m END transect #4 in a large cave entrance at 28°48.596'N 178°50.421'W. Exploring the general area for additional samples for the remainder of the dive.

1628 405m collect P. SECUNDUM at 28°48.606'N, 178°50.465'W.

1635 leaving the bottom from 405m.

Normal recovery.