Rev. 09-06-12

# PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-331 Date: SEPTEMBER 29, 2017

Observer 1: NIKKI MORGAN

Affiliation: FLORIDA STATE UNIVERSITY

Observer 2: BEATRIZ MEJIA

Affiliation: FLORIDA STATE UNIVERSITY

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS 5'D

Manipulators: ORION 7P, HYCO

Samplers/Sensors: 3 BIO BOXES

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: MIKE HOSHLYK

Dive Location: NW HANCOCK SEAMOUNT

Latitude: 30°15.233'N

Longitude: 178° 42.654'E

Time of Dive: 0900

Time of Surface: 1606

Time Submerged: 7:06

Time Thru Last Dive: 2252:29

Total Time to Dive: 2259:35

Dive Depth: 844m

Water Depth: 844m

Water Temperature: not recorded

Visibility: GOOD, 15-20m, "hazy"

Dive Narrative: CORAL HABITAT AND BOTTOM TRAWLING IMPACT SURVEY.
0956 844m land on the bottom on a steep, sandy slope. Sediment is soft and deep, mainly made up of bivalve shells. There is very little, if any current, the silt cloud from landing lingers for a while. 1007 collect a dead coral (PARAGORGIA?), then move upslope toward the 600m contour. At this point the visibility is fairly poor, quite hazy. 1020 745m locate a steel artifact. 1026 700m arrive at a vertical wall and ascend it inside a hot canyon, closed on three sides. 1048 599m START transect #1 at 600m to S from a toe hold ~~at~~ in the wall at 30°15.320'N, 178°42.836'E. 1109 601m End transect #1 at 30°15.144'N, 178°42.841'E, in a sample rich area. 1146 604m complete a sample scribe near the 1109 position. PARATRICER, LAUNSA, THOUARELLA, CALLOGORGIA, SOLENOSMILIA, a primnoid and a dead coral were collected. Continue S along the 600m contour. 1205 605m collect LAUNSA and CLAVULARIA at 30°15.176'N, ~~178°15.176~~ 178°42.903'E. 1208 from this position, START transect #2 at 600m to NE. 1230 600m END transect #2 at 30°15.380'N, 178°43.073'E. Collect a sample of a large sponge. 1235 contour at 600m for about 100m. 1251 599m START transect #3 from 30°15.408'N, 178°43.189'E.

→ OVER →

Pilot's Signature: Max Cremer Date: 10-5-17

Operations Director: Jerry Kerby Date: 10.8.17

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1301 594m passing P5 during transect #3.
1314 602m END transect #3 at 30°15.575'N, 178°43.373'E.
1320 move upslope to 400m.
1345 539m collect samples of NIDRELLA, ASTROMUICEA, ACANTHOGORGIA and a purple gorgonian at 30°15.529'N, 178°43.282'E.
1348 continue upslope towards the 400m contour. Passing P5 again on the way upslope.
1414 405m after collecting a sample of bamboo coral, START transect #4 at 400m to S from 30°15.563'N, 178°43.162'E.
1439 END transect #4 at 30°15.515'N, 178°42.783'E.
1443 contour along the 400m isobath for about 100 m.
1453 400m collect a pale red, soft coral at 30°15.516'N, 178°42.696'E.
1458 START transect #5 at 400m to W from this position.
1515 END transect #5 at 30°15.613'N, 178°42.337'E. Depth is 400m. Contour at 400m for the remainder of the dive.
1528 400m leaving the bottom from 30°15.633'N, 178°42.288'E.* Normal recovery.

* There is a large, mop like coral back, purpose unknown...