Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MARY CREMER Dive #: P4-340 Date: OCTOBER 30, 2017

Observer 1: NIKKI MORGAN

Affiliation: FLORIDA STATE UNIVERSITY

Observer 2: JULIA ANDREWS

Affiliation: FLORIDA STATE UNIVERSITY

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS SD

Manipulators: ORION 7P, 1740

Samplers/Sensors: 3 BIO BOXES

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: MIKE HOSHLYK

Dive Location: WEST NORTHAMPTON SEAMOUNT

Latitude: 25° ~~22.944~~ 35.223, G N

Longitude: 172° ~~24.768~~ 18.550, G W

Time of Dive: 0859

Time of Surface: 1543

Time Submerged: 6:44

Time Thru Last Dive: 2314:33

Total Time to Dive: 2321:17

Dive Depth: 624m

Water Depth: 624m

Water Temperature: not recorded

Visibility: VERY GOOD, 20+m

Dive Narrative: CORAL HABITAT SURVEY IN PROTECTED MONUMENT WATERS.
0934 624m land on the bottom on a steep slope with alternating carbonate and basaltic outcrop. 0942 move upslope to the 600m contour. 0949 601m START transect #1 to NE at 600m from 25°35.207'N, 172°18.563'W. 1009 602m END transect #1 at 25°35.435'N, 172°18.762'W. Collect samples of ANTHOZOICED, PARAZIS, ACANELLA and a sponge. 1032 contour about 5 min at 600m. 1053 600m START transect #2 to W at 600m from 25°35.562'N, 172°19.058'W. A gradual slope gives way to rugged, vertical carbonate wall terrain. 1113 600m END transect #2 at 25°35.784'N, 172°19.324'W. 1115 contour at 600m for about 5 minutes. 1121 602m collect a live KULAMANAMANA, and at 1128 START transect #3 at 600m to W from 25°35.659'N, 172°19.426'W. 1149 602m END transect #3 at 25°35.565'N, 172°19.749'W. 1150 move upslope toward the 400m contour. Ascending mostly vertical carbonate walls. 1212 436m collect P. SECUNDUM and BATHYPATHES at 25°35.497'N, 172°19.718'W. 1225 continue upslope. 1232 407m collect P. SECUNDUM. 1249 405m collect ANTHOMASTUS and START transect #4 to E at 1252 from 25°35.487', 172°19.694'W. 1307 401m END transect #4 at 25°35.531'N, 172°19.374'W. Collect P. SECUNDUM. 1330 contour at 400m for about 5 min.

—D OVER—D

Pilot's Signature: [signature] Date: 11-7-17

Operations Director: Terry Kerby Date: 11-8-17

P4-340

1339 399m START transect #5 to E at 400m from 25°35.~~531~~ 526' N, 172°19.~~374~~ 283' W.
Transecting through very rugged, partially vertical terrain. It is clean swept, concrete like, with abundant and very large LEPIDISIS and CALLOGORGIA.

1358 403m END transect #5 at 25°35.427' N, 172°18.984' W.
Collect CALLOGORGIA.

1407 Contour at 400m for about 5 minutes.

1417 414m collect a sponge covered with ZOANTHIDS, and, at ~~1424~~,

1424 START transect #6 at 400m to E from 25°35.404' N, 172°18.884' W.
Terrain is identical to transect #5.

1448 402m END transect #6 at 25°35.192, 172°18.699' W.
Collect a sample of LEPIDISIS after bioluminescence experiment.

1503 Surface reports deteriorating weather.

1507 Leaving the bottom from 402m.
Normal recovery in marginal conditions.