Rev. 09-06-12

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: PC-328 Date: SEPTEMBER 23, 2017

Observer 1: NIKKI MORGAN

Affiliation: FLORIDA STATE UNIVERSITY Dive Location: SOUTH KOKO SEAMOUNT

Observer 2: MELISSA BETTERS Latitude: 34° 49.427' N

Affiliation: FLORIDA STATE UNIVERSITY Longitude: 171° 53.178' E

Purpose: (Research) Training Test Time of Dive: 0849

Other: Time of Surface: 1602

Special Equipment: Time Submerged: 7:13

Cameras: MINI-ZEUS HD, ROS SD Time Thru Last Dive: 2238:08

Manipulators: ORION 7P, HYCO Total Time to Dive: 2245:21

Samplers/Sensors: 3 810 BOXES Dive Depth: 531m

Water Depth: 531m

Support Vessel: R/V KOMOKAHI-O-KAHALOA Water Temperature: 7.2°C @ 506m

Captain: MIKE MOSHLYK Visibility: FAIR, 10-15m

Dive Narrative: CORAL HABITAT AND BOTTOM TRAWLING IMPACT SURVEY.
During descent, PS reports strong current from E on the bottom. 0927 539m landed the bottom on a broad carbonaceous slope with numerous corals in sight. 0933 sampling near the landing site: MADREPORA, ACANTHOGORGIA, K. LAUUNSA, NARELLA, NICELLA. 1000 move upslope to the 500m contour. 1009 504m collect samples of LAUUNSA, a small whole basal sponge and a piece of dead coral at 34°49.421'N, 171°53.235'E. 1046 START transect #1 at 500m to E from 1009 position. 1107 END transect #1 at 34°49.460'N, 171°53.621'E. 1110 back tracking W along the 500m contour to sample coral seen during the transect. 1136 507m collect LAUUNSA and one sample of SYPHONOGORGIA at 34°49.421'N, 171°53.393'E. 1230 505m still sampling in the same general area. 1258 completed sampling at 34°49.439'N, 171°53.374'E. 1304 moving E encountering a strong downslope current. 1319 523m moved beyond the localized current. 1321 move upslope to 500m. 1326 500m collect some of the very abundant purple CLAVULARIA at 34°49.448'N, 171°53.690'E. 1336 START transect #2 at 500m to E from 1326 position. 1359 502m END transect #2 at 34°49.642'N, 171°53.967'E.

→ over →

Pilot's Signature: Date: 9-28-17

Operations Director: Terry Kerby Date: 10/6/17

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1402 move along the contour to N.
1423 506m continue NNE.
1434 498m START transect #3 at 500m to N from 34°49.795'N, 171°54.216'E.
1455 501m END transect #3 at 34°50.121'N, 171°54.280'E.
1452 move upslope toward the 450m contour but a very strong downslope current prevents uphill progress.
1520 486m preparing to leave the bottom.
1525 leaving the bottom from 34°50.244'N, 171°54.215'E.
Normal recovery.