

PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: PS-695 Date: NOVEMBER 7, 2007 G

Observer 1: CHRIS KELLEY

Affiliation: HURL BIOLOGY Dive Location: SERMOUNT N OF FRENCH FRIGATE SHOALS

Observer 2: JANE CULP Latitude: 24° 15. 013' N

Affiliation: HURL VIDEO LAB Longitude: 166° 04. 352' W

Purpose: Research Training Test Time of Dive: 0805

Other: _____ Time of Surface: 1640

Special Equipment: _____ Time Submerged: 8:35

Cameras: SONY DV, HYCO Time Thru Last Dive: 4672:14

Manipulators: TITAN ZF, HYCO Total Time to Dive: 4680:49

Samplers/Sensors: CTD-DO, BIO BOX, STRONG BOX, OPEN CRATE Dive Depth: 1290m

Support Vessel: BV KAIORUA-O-KONAROA Water Depth: 1290m

Captain: ROSS BARNES Water Temperature: REFER TO CTD LOG

Visibility: CLEAR, 20+

Dive Results/Remarks: DEEP RIDGES & SERMOUNTS PROJECT DIVE.

0920 land on the bottom at 1290m on a steep slope with manganese encrusted outcrops and a light dusting with sediment. Collect two (2) small rock samples at the landing site. 0943 move upslope to ENE. 1033 continue upslope to NE. 1150 893m collect two (2) rock samples, one black, one beige colored. 1200 continue to NE. 1214 874m collect unidentified gorgonian. 1226 continue to NE. 1303 758m making observations on a vase-shaped sponge with galatheid crab. 1334 701m arrive at a mound of white, dead coral debris with no apparent source. Collect scoop sample of debris. 1345 continue NE toward summit of seamount. 1416 687m arrive on summit plateau. 1424 687m collect sample of Uryachiuellid "lip" sponge. 1456 move SE toward saddle. Strong current out of SW. 1517 708m

Equipment Deficiencies: collect urella on a plate with crab. 1542 leave bottom from 708m. Make a normal recovery. — Altimeter inop on approach to bottom.

Pilot's Signature: _____

Date: 11-8-07Operations Director: T KerbyDate: 11-13-07