Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-266 Date: October 24, 2011

Observer 1: Dave Clague

Affiliation: MBRI Dive Location: Gardner Pinnacle

Observer 2: Jennie Paduan Latitude: 25° 39.795' N

Affiliation: MBRI Longitude: 168° 50.575' W

Purpose: (Research) Training Test Time of Dive: 0806

Other: Time of Surface: 1715

Special Equipment: Time Submerged: 9:09

Cameras: Mini Zeus HD - RGB-SD Time Thru Last Dive: 1885:40

Manipulators: Orion Hyco Total Time to Dive: 1894:49

Samplers/Sensors: Dive Depth: 1915m

Water Depth: 1915m

Support Vessel: R/V Kaimikai-O-Kanaloa Water Temperature: 2.8°c

Captain: Clary Gutzeit Visibility:

Dive Results/Remarks: Rock and Coral collecting dive. 0958 Land on a steep sandy slope in 1915m. 1005 Move upslope to the South East 1016 Moving upslope on a barren sandy bottom. Collect a wire coral. 1030 1857m. Locate a basalt outcrop. Collecting rocks. 1127 Moving upslope to the southeast over rocky terrain. 1137 1760m into steep manganese covered carbonate terrain. 1141 Continue upslope to the SE after collecting rock samples. 1150 1692m into layered slabby terrain. Black manganese coated cap layer about 30 cm thick over light tan colored chalky material (mud stone) light colored layer eroded forms overhanging slabs. Collecting samples. 1153 1692m Collecting samples from mudstone pedestals. 1201 Continue upslope to the SE. Collecting rock and coral samples. 1250 At the base of a black carbonate wall. 1304 Collecting samples. 1331 Collecting coral sample. 1618m steep overhanging carbonate terrain. Ascend wall as distance I still get under an overhang. 1341 Collect another whale bone. 1501 1386m On top of pinnacle feature. 1545 Drop wts in mid water off of pinnacle. Leave bottom

Pilot's Signature: Terry Kerby Date: 10.25.11

Operations Director: Terry Kerby Date: 10.25.11

For equipment deficiencies, refer to maintenance logs.