Rev. 10-22-04

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-178 (P/V) Date: NOVEMBER 1, 2006

Observer 1: RAY ROLAND

Affiliation: NATIONAL MARINE FISHERIES

Observer 2: BOB MOFFIT

Affiliation:

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: SONY DV, ROS COLOR

Manipulators: ORION, HYCO

Samplers/Sensors: CTD, DO, BIO BOX

COVERED BOX, OPEN CRATE

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: ROSS BARNES

Dive Location: PENGUIN BANKS

Latitude: 21°02.345'N

Longitude: 157°19.073'W

Time of Dive: 0801

Time of Surface: 1607

Time Submerged: 8:06

Time Thru Last Dive: 1285:18

Total Time to Dive: 1293:24

Dive Depth: 125 m

Water Depth: 125 m

Water Temperature: 24.4°C @ 104 m

Visibility: CLEAR, 20-30 m

Dive Results/Remarks: DIVE TO RELOCATE AND SURVEY ARTIFICIAL REEF STRUCTURE. 0816 104 m land on bottom in a flat, sandy area. 0826 move SW to begin search for structure. 0829 move downslope to 117 m S. 0839 still at 104 m, collect PANULIRUS MARMORUS (hermit crab). 0841 continue to move to reference depth (117 m) for structure. 0911 119 m turn to E. 0945 119 m move NW to a target identified by Science party topside. 1030 119 m back at position of start E survey. contouring W. 1120 119 m move down to 122 m and contour E. 1142 123 m collect "sand dollars". 1145 continue E. Collect free-floating calp colony, but loose it later during the dive. 1200 125 m continue E to search for structure. 1230 123 m move up to 119 m the continue E. 1301 move up to 116 m, then contour W. 1328 116 m change course to WNW. 1340 116.63 m, locate FRP structure. Making observations on artificial reef and surrounding area until 1515. Then move to NNE to look for concrete pipes dropped 800 m away in 1985. 1548 leave the bottom from 100 m. Normal recovery.

Equipment Deficiencies: - NO SIGNIFICANT FAILURES - (HMI OUT)

Pilot's Signature: Date: NOVEMBER 2, 2006

Operations Director: Larry Kerby Date: November 3, 2006