Rev. 10-22-04

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-212 Date: MARCH 5, 2009

Observer 1: ERIC DE CARLO

Affiliation: UH OCEANOGRAPHY Dive Location: OFF PEARL HARBOR

Observer 2: MIKE VAN WORKUM Latitude: [redacted]

Affiliation: ENVIRONET Longitude:

Purpose: (Research) Training Test Time of Dive: 0847

Other: Time of Surface: 1443

Special Equipment: Time Submerged: 5:56

Cameras: ROS, MINI-ZEUS Time Thru Last Dive: 1503:59

Manipulators: HYCO, ORION Total Time to Dive: 1509:55

Samplers/Sensors: SEDIMENT SCOOPS, WATER SAMPLERS, MARKERS, CTD-DO Dive Depth: 482 m

Water Depth: 482 m

Support Vessel: R/V KAIMIKAI-O-KANALOA Water Temperature: refer to CTD log

Captain: ROSS BARNES Visibility: fair, 10-15 m

Dive Results/Remarks: TWO-SUB DIVE FOR HUMMA ORDNANCE SURVEY. 0935 480m land on bottom in a flat, sandy area. 0957 deploy MAR #3 in the landing position and begin sample suite: 1007 sediment scoop #18, position A6. 1027 Sediment scoop #2, position A8. 1043 duplicate position A8, scoop #5. 1103 sediment scoop #24, position A9. 1140 sediment scoop #12, position B6. 1157 sediment scoop #11, position B2. 1219 sediment scoop #17, position B1. 1230 completed sampling at station #1. Move ENE, 400m toward station #2. 1301 482m select location for sample station #2. 1309 deploy MAR #5 and begin sample suite: WATER Samples W1, W1 and sediment scoop #22 in initial MAR #5 location. 1350 P4 120V main power low, prepare to leave bottom. 1400 leave bottom from 482 m. Normal recovery after ascend on soft ballast.

Equipment Deficiencies: Batteries (120V) weak. MAR #4 lost.

Pilot's Signature: Date: 3-7-09

Operations Director: Date: 3-10-09