

PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: PS-718 Date: MARCH 4, 2009  
 Observer 1: CHRIS KELLEY  
 Affiliation: HURL Dive Location: OFF PEARL HARBOR  
 Observer 2: KATHRYN MACDONALD Latitude: [REDACTED]  
 Affiliation: UNIVERSITY OF HAWAII, OCEANOGRAPHY Longitude: [REDACTED]  
 Purpose: Research Training Test  
 Other: \_\_\_\_\_  
 Special Equipment: \_\_\_\_\_  
 Cameras: ROS, MINI-ZEISS  
 Manipulators: HYCO, TITAN 7 F  
 Samplers/Sensors: SEDIMENT SCOOPS, WATER SAMPLERS, MARKERS, CTD-DO  
 Support Vessel: R/V KAIMUHI-O-KANALOA  
 Captain: ROSS BARNES  
 Time of Dive: 0811  
 Time of Surface: 1642  
 Time Submerged: 8:31  
 Time Thru Last Dive: ~~4823:13~~ 4829:41  
 Total Time to Dive: 4831:44 4838:12  
 Dive Depth: 522m  
 Water Depth: 522m  
 Water Temperature: Refer to CTD log  
 Visibility: GOOD, 15+ m

Dive Results/Remarks: HUMMA PROJECT ORDNANCE SURVEY DIVE.  
0844 488m land in a flat and sandy area with a slight current from E. Move SE towards sample station site #1. 0910 settling in a clear location, preparing to sample.  
0921 Titan manipulator fails to communicate with GUI. 0933 decide to do visual survey, moving S about 1.6 miles. Arrive at target site at 1256. Underway encountered various ordnance items, ranging from 1000 lb bombs to 50 caliber bullets. Also recorded location of airplane fuselage. Continue to move to SE. 1315 518m located ordnance similar in appearance to M47A2 chemical bombs. Continue survey in a generally S direction, recording many more pieces of ordnance of various size and shapes. 1557 leaving the bottom from 522m. Normal recovery

Equipment Deficiencies: TITAN 7 F IUOP.

Pilot's Signature: [Signature] Date: 3-7-09  
 Operations Director: [Signature] Date: [Signature] 3-7-09