

## PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: P5-711 Date: FEBRUARY 10, 2009  
 Observer 1: COLIN WOLLERMAN  
 Affiliation: HURL ET, PIT Dive Location: OFF KEWALO BASIN  
 Observer 2: JOHN SMITH Latitude: N 21° 16.948'  
 Affiliation: HURL SCIENCE DIRECTOR Longitude: W 157° 52.206'  
 Purpose: Research Training Test Time of Dive: 1107  
 Other: \_\_\_\_\_ Time of Surface: 1400  
 Special Equipment: \_\_\_\_\_ Time Submerged: 2:53  
 Cameras: ROS, MINIZEOS Time Thru Last Dive: 4791:30  
 Manipulators: TITAN 7F, HYCO Total Time to Dive: 4794:23  
 Samplers/Sensors: SAMPLECRATE, Dive Depth: 209 m  
CTD-DO Water Depth: 209 m  
 Support Vessel: R/V KAIMIKAI-O-KAWAHOA Water Temperature: refer to CTD log  
 Captain: ROSS BARNES Visibility: 9000, 15-20 m

Dive Results/Remarks: TEST & TRIAL DIVE COMMENCING 2009 DIVE SEASON.  
1127 land on bottom in rocky terrain, gentle slope, at 75 m. Partially  
 brim by pumping out a fairly small amount of water, about 20 lbs.  
1145 move down slope at 190° hdg to the start of the DOE pipeline track.  
1152 80 m at beginning of pipeline track. 1200 continue down slope,  
 following the pipeline track, surveying terrain. 1211 encounter a steep  
 ledge, carbonate, about 10 m high, but fairly smooth. 1221 128 m making  
 observations on degraded wreckage of unknown origin. 1249 196 m ~~at~~ completed  
 pipeline track, standing by to commence tracking exercise to P4.  
1254 start tracking exercise, moving towards P4 in ping-pong mode, 27 Hz,  
 wave direction 170°. 1300 209 m lost all hydroacoustic power before  
 reaching P4. Abort dive. 1526 leave bottom. Normal recovery.  
 Equipment Deficiencies: Titan 7F inoperable. Utility hydroacoustics failed.

Pilot's Signature: \_\_\_\_\_

Date: 2-10-09

Operations Director: \_\_\_\_\_

Date: 2-11-09