Rev. 10-22-04

PISCES IV DIVE REPORT

Pilot: Terry Kerby Dive #: PIV-207 Date: February 10, 2009

Observer 1: Chris Kelley

Affiliation: HURL

Observer 2: —

Affiliation: —

Purpose: ~~Research~~ Training, Test

Other:

Special Equipment:

Cameras: Mini-Zeus HD - ROS

Manipulators: Orion - HYCO

Samplers/Sensors:

Support Vessel: R/V Kaimikai-O-Kanaloa

Captain: Ross Barnes

Dive Location: Off of Kewalo Basin

Latitude: 21° 17.056' N

Longitude: 157° 52.129' W

Time of Dive: 1014

Time of Surface: 1706

Time Submerged: 6:52

Time Thru Last Dive: 1462:59

Total Time to Dive: 1469:51

Dive Depth: 408m

Water Depth: 408m

Water Temperature: 9.0°C @ 408m

Visibility:

Dive Results/Remarks: Test and training dives with Pisces IV and Pisces V. Conducting survey and tracking exercises. 1032 Land on a rocky sandy bottom in 40m. 1050 Move to the SW to 80m to the start of a proposed pipline route. Survey bottom at 100m transition point for pipe route. 1200 184m at end of pipe route transition section. Continue south to first target point to start tracking exercise Encounter many old vehicle remains with spoked wheels on southerly run to target point. Scanning sonar not operating. 1250 238m Locate wreckage of a large flat bottomed steel vessel. It looks like it might have been a narrow beam point ended barge. Begin tracking exercise. Pisces V tracking to Pisces IV. 1257 Pisces V has hydralic systems failure and must return to surface. 1335 Continue to the south. Locate several decomposing old vehicles and a large barge and ordnance.

~~Equipment Deficiencies:~~ 1639 408m leave the bottom. Make a normal recovery.

Pilot's Signature: Terry Kerby Date: 2/10/09

Operations Director: Terry Kerby Date: Feb. 11, 2009