

PISCES V DIVE REPORT

Pilot: Terry Kerby Dive #: P5-864 Date: Sept 10, 2016
 Observer 1: Jan War
 Affiliation: NELHA Dive Location: Keahole Pt. 40" Pipe Site.
 Observer 2: Keith Olson Latitude: 19° 43.623' N
 Affiliation: NELHA Longitude: 156° 03.999' W
 Purpose: Research Training Test Time of Dive: 0935
 Other: Pipe Surveys Time of Surface: 1715
 Special Equipment: Time Submerged: 7:40
 Cameras: HD mini Zeus ROS-SD Time Thru Last Dive: 3794:53
 Manipulators: Titan 4 - HYCO Total Time to Dive: 3802:33
 Samplers/Sensors: Line cutter Dive Depth: 713m
 Water Depth: 713m
 Support Vessel: R/V Kaimikai-O-Kanaloa Water Temperature: _____
 Captain: Mike Hoshlyk Visibility: _____

Dive Results/Remarks: Single sub dive to survey 40" NELHA pipe, 18" NELHA pipe, and start survey of old Ocean Farms Pipes. Pisces V carries hydraulic cutter. Pisces V is predived and standing by with hyd cutter installed. 0954 140m Land on a sandy bottom next to the wt #51 starting point of the 40" pipe. Move upslope. 1015 124m at holdfast #2 test zincs. 1033 124m move down pipe to SW. 1042 137m At nylon strap end wt. 1054 146m. Inspect hardware and chains at 40 ten transition Wt. 1106 Moving up catenary to the SW. 1130 134m on catenary. Inspecting hardware on new flotation blocks. 127m at top of catenary. 1158 Begin moving down pipe. 1213 Getting light as we descend. Add water. Locate entanglement hazard from last inspection at 445m. Two fouled floating lines have now intertwined into one.
 Equipment Deficiencies: entanglement hazard. I try to get into a position to cut the line. The current is putting Pisces V into the line.

Pilot's Signature: Terry Kerby Date: 9/26/16
 Operations Director: Terry Kerby Date: 9/26/16

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I have to drop under the line and the pipe to try to get above the line to use the HYCO arm. Lose sight of the pipe. Does not show up on the sonar. We decide to drop to the bottom and go to the intake and bottom anchor.
1322 634m. Relocate the pipe with sonar. Continue inspection down pipe to holdfast. 1344 710m at anchor.
1347 713m at anchor. $19^{\circ}43.456'N$ $156^{\circ}04.678'W$.
1354 713m. Begin moving up slope to the SE searching for 18D.
1409 600m Move South. 1424 563m Locate what looks like an 18" pipe. 1438 589m Move down pipe to intake. See "D" on anchor blocks. Jan thinks it is 18c. Turns out to be 18D. At end of pipe 18D in 602m. Blind flange still secured in end of pipe. 1457 520m Moving N. 1506 457m moving N. 1535 354m
Locate another pipe. 1552 433m Pipe crosses over another pipe
1556 435m Moving downslope to the West. 1625 574m at the end of a kinked pipe. 1630 Leave the bottom from 562m.