Rev. 11-21-09

PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-227 Date: DECEMBER 2, 2009

Observer 1: KEVIN WENG

Affiliation: UH OCEANOGRAPHY

Observer 2: DAVE CULP

Affiliation: HURL

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: MINI-ZEUS HD, ROS STD. DEF.

Manipulators: ORION, HYCO

Samplers/Sensors: CTD-DO, 2 ea. BIO-BOXES

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: ROSS BARNES

Dive Location: NI'IHAU

Latitude: 21° 48.467' N

Longitude: 160° 04.895' W

Time of Dive: 0802

Time of Surface: 1635

Time Submerged: 8:33

Time Thru Last Dive: 1609:33

Total Time to Dive: 1618:06

Dive Depth: 382m

Water Depth: 382m

Water Temperature: REFER TO CTD LOGS

Visibility: GOOD, 20+ m

Dive Results/Remarks: BOTTOM FISH TRACKING RESEARCH DIVE. 0832 310m land on the bottom on a gentle slope with hard, carbonate substrate. 0841 move WSW to 255m contour to search for first fish receiver ~~device~~ array. Unable to locate array at archived position. Search in general area and listed depth. 0931 230m locate 3 concrete anchor blocks from different experiment. 0939 234m collect rock sample. 1000 move upslope to 110m to find rocky terrain. 1017 moved back downslope to 234m. 1051 continuing W at 235m. 1116 begin search for second fish receiver. 1137 280m locate 2nd fish receiver, was listed to be at 251m. Making observations regarding the array's condition. 1159 move NW towards third fish receiver which is about 1 km away. 1251 382m encounter strong current out of NE in the channel. Collect branch of large leopathes. 1311 372m ascending N side of channel. 1352 359m collect dead leopathes. Encounter very large, live leopathes nearby to the NW. 1432 270m arrive at listed position for fish receiver array, but cannot locate it in the area. Decision is made to abandon search and instead survey fish habitat for the remainder of the dive. 1609 227m leave the bottom. Normal recovery.

Pilot's Signature: Date: 12-5-09

Operations Director: T. Kerby Date: 12-4-09

For equipment deficiencies, refer to maintenance logs.