# PISCES IV DIVE REPORT

Pilot: MAX CREMER Dive #: P4-133 Date: DECEMBER 17, 2004

Observer 1: HEATHER SPALDING

Affiliation: UH BOTANY

Observer 2: KIM PEYTON

Affiliation: UH BOTANY

Purpose: (Research) Training Test

Other:

Special Equipment:

Cameras: SONY DV, ROS COLOR

Manipulators: ORION, HYCO

Samplers/Sensors: CTD-$O_2$, BIO BOX, PORE WATER SAMPLER, SED. SCOOPS;

Support Vessel: R/V KAIMIKAI-O-KANALOA

Captain: ROSS BARNES

Dive Location: PENGUIN BANKS

Latitude: N 21°01.628'

Longitude: W 157°17.121'

Time of Dive: 0812

Time of Surface: 1557

Time Submerged: 7:45

Time Thru Last Dive: 967:49

Total Time to Dive: 975:34

Dive Depth: 160 m

Water Depth: 160 m

Water Temperature: 18.8°C @ 160 m

Visibility: GOOD, 20 m

Dive Results/Remarks: Algae survey and collection dive. 0832 118 m land on the bottom in sandy terrain with sparse algae coverage. 0846 move downslope to E. 0908 contour at 160m to NW. 0916 160 m collect brown algae sample. 0921 continuing to make observations and collecting samples on the 160 m contour. 0939 move upslope to N. 1053 103m collect algae samples. 1118 continue upslope to N. 1139 thru 1300 continue to move N, collecting samples and making observations. 1339 79m collect pore water sample, accompanied by sediment scoop and Niskin sample. 1414 continue to move N. Batteries are very weak, main power consumers such as ORION, lights etc. are secured. 1437 continue to move N conducting video survey. 1539 65m leaving the bottom. Make a normal recovery.

Equipment Deficiencies: Sonar performance inadequate; weak batteries.

Pilot's Signature: [signature] Date: 2-21-05

Operations Director: [signature] Date: 2.22.05