

PISCES V DIVE REPORT

Pilot: MAX CREMER Dive #: P5-780 Date: SEPTEMBER 30, 2011
 Observer 1: SAM KAHNG
 Affiliation: HPU Dive Location: NEAR SOUTH POINT, HAWAII
 Observer 2: DANIEL LUCK Latitude: N 18° 56.838'
 Affiliation: HPU Longitude: W 155° 42.829'
 Purpose: Research Training Test Time of Dive: 0807
 Other: _____ Time of Surface: 1639
 Special Equipment: _____ Time Submerged: 8:32
 Cameras: MINI-ZEISS HD, ZOS SD Time Thru Last Dive: 5272:21
 Manipulators: TITAN 4, HYCO Total Time to Dive: 5280:53
 Samplers/Sensors: HURL CTD-70, SEAPIED CTD/00/PH Dive Depth: 455m
2 BIOBOXES, 1 OPEN CRATE, DUST PAN Water Depth: 455m
 Support Vessel: R/V KAIKAI-O-KANALOA Water Temperature: REFER TO CTD LOG
 Captain: CLARY GUTZERT Visibility: VARIABLE, 5-15m

Dive Results/Remarks: CORAL RECRUITMENT ON HISTORIC LAVA FLOWS DIVE.
0840 455m land on the bottom on a steep slope with large basalt boulders and high density of corallivores. 0855 445m collect corallium near the landing site. 0915 contour at 450m to SE. 0943 444m collect secundum, 438m collect rock sample nearby. 1012 450m collect Gerardia stump with basaltic substrate. 1036 continue contour at 450m. 1048 449m collect antipillarum. 1054 continue SE. 1106 445m leaving area of historic flow and entering debris fan of pre-historic flow. 1206 move upslope to 150m, to collect leptosiris coral. 1307 122m no communications with KOK. Moving upslope to 110, no collectible specimen of leptosiris found, though there are some very small individuals. Decide to return to deeper waters. 1320 120m spot a leptosiris specimen on a small outcrop and collect it. 1349 moving downslope to 400m SSW. 1358 355m collect corallium on its host rock. 1407 begin to contour W at 400m. 1426 405m collect Regadrella sponge. 1435 continue on 400m W contour. 1446 397m collect hamboo coral. 1458 398m collect live Gerardia. 1506 continue 400m contour. 1545 399m passing out of 1866 flow area to N. 1549 continue W and downslope. 1600 427m leaving the bottom. Normal recovery.

Pilot's Signature: _____

Date: 10-1-11Operations Director: Terry KerbyDate: 10-8-11

For equipment deficiencies, refer to maintenance logs.