



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M96	D	1 R	1	0 m	0.55 m

Describer(s): YH- DP- PR

Date: 07/02/2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								Basalt clast with round vesicles oxygenized
10		Massive porites, CCA of 3mm thick. Boring. Lateral						
20		Pieces of Porites						
30		Piece of CCA crust Piece of Heteromastix side CCA.						aphanitic to phagentic Basalt with cracks (white cement)
40		Piece of CCA crust + LBF CCA crust Based (Butcher)						phagentic text with crystals of cpv + olivine
50		Branching Porites compressa thin crust (1-2mm) of CCA, Pocillopora piece, probably branching, boring.						
60								General facies: Mixed agmatite with Basalt pebbles to granules, coral fragments and other carbonate intruders.
70								From 5 to 23 cm: coarse Sandy matrix, Volcanoclastic and Bivalve (coral, CCA, gastropods, LBF) Bivalves)
80								
90								
100								
110								
120								
130								
140								
150								



ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M96	D	2 R	1	1.32 m	1.77 m

Describer(s): YH-DP-PK

Date: 07/02/2024

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		• Porites Branch, Heavily Bored • Filled. by Sediments. • Poss. this Porolithothamnium piece						From 10 to 21 cm: Unidentified carbonate pieces
10								
20								phaneritic Basalt with cpx + ol crystals. (pieces)
30		• Porites Branch. Boring - Possible Mahimeda.	P10	Mixed volcanoclastic + carbonate facies				
40		• Porites Branch • Multiple Porites Branch - encrusted by Thick laminar CCA (up to 25 cm Thick) • DAT						General facies: Granule to pebble size clasts of Basalt, corals, CCA. Matrix fine
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120								
130								
140								
150								



ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M96	D	3 R	1	4.56 m	5.08 m

Describer(s): YH-DP-PK

Date: 07/02/2012

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								
10		centric Branches of Porites (possibly compressa) encrusted (up to 1cm) and heavily bored.	H10	Volcanic Tuff				Centre-seal clasts of coral (Branches) + pellets of Bivalve No matrix. Possibly disturbed during drilling.
20		gastropods pieces & Opiculium		Fixed Carbonate Tuff				
30		DAT (pale column)						
40		3 pieces of coral, possibly different in situ colonies massive Porites. thin (1-2mm) algal crust.	H11	coral fragments				grey column could suggest microbial activity.
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140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M96	D	3 R	2	5.08 m	5.38 m

Describer(s): YH-SP-PK

Date: 07/02/2022

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0								0-2 cm: Vesicular Basalt aphanite + ext. coalescing vesicles, partially filled by cemented silt-sized sediment.
10								
20								2-30 cm: Basalt, aphanite some dendritic cracks filled by cement. Rare submm olivine crystals (pillow morphology?)
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140								
150								



Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M96	D	4 R	1	7.3 m	7.72 m

Describer(s): YH-DP-PK

Date: 07/02/2022

cm	image length = curated length	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral	Core Distur.	Biotur.	Description
0		• Branching Porites. Thick (up to 2m) CCA crust.		Volcanic carbonate F10				- Loose granules to cobbles of Basalts and corals.
10		• Pieces of Branching Porites (probably Compressa)						- No matrix.
20								some cracks in Basalt pebbles.
30								
40								37.42 cm: Vesicular Basalt aphanitic text. Coalescing vesicles partially filled by carbonate sediment.
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