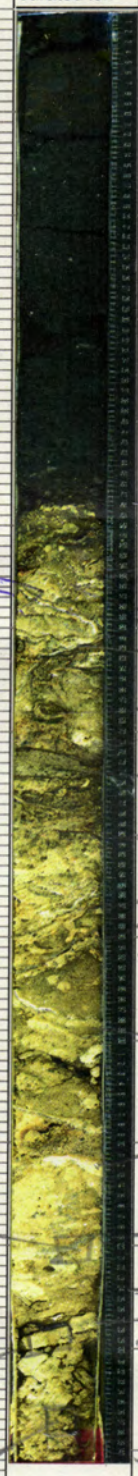
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	1 R	1	0 m	1.41 m

Describer(s): Hamon | Potts | Khanna

Date: 22-2-2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0							Angular basalt clasts granule to gravel size in black to brown aphanitic matrix Hyaloclastitic (?)
10							
20	Basalt						
30		F9	Basalt				
40							
50	Echinoid spine, Gastropod, coral clast, (Porites), CCA clast, foliaceous coral, bivalve						Consolidated Bioclastic with
BRAG							
60	Laminar coral + CCA (thin)						laminae to foliaceous coral, shell fragments, echinoid spines and bioclastic to volcaniclastic matrix.
	Pockets of bioclastic Sed.						
70	CCA fragment.						
	bioclastic Sed. + volcaniclastics		Rudstone				
80	Gastropod						
	foliaceous coral with CCA + bivalve clast						
90	Semi-consolidated bioclastic						
100	foliaceous coral	F5	Bioclastic				
110	laminar coral + CCA						
Potts (Coral) 120	laminar coral						
	laminar coral						Unconsolidated bioclastic with laminar coral + bioclastic matrix.
Potts (Coral 130	Unconsolidated bioclastic	F6	Unconsolidated Bioclastic				
140							
Potts (Sed)							
150							

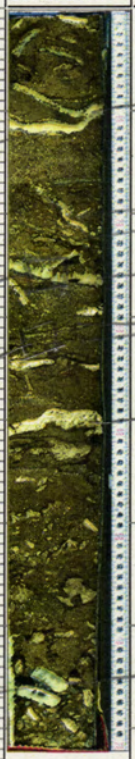
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	2 R	1	1.58 m	2.3 m

Describer(s): Hamon | Potts | Khanna

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Laminar Coral	F-6	Bioclastic Unit/Rud				Unconsolidated Bioclastic Sed
10								with Laminae to foliaceous Coral clasts
DAT 20		foliaceous Coral						+ Shell fragment
Potts (Coral) 30		Laminar Coral						
		foliaceous Coral						
Potts (Coral) 40		Laminar Coral +CCA						
50		Unconsolidated bioclastic (Mollusc) / Bird		Unconsolidated				
60								
DAT 70		Laminar Coral.						
80								
90								
100								
110								
120								
130								
140								
150								

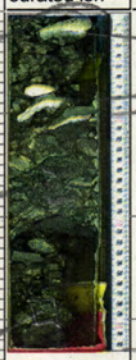
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	3 R	1	4.2 m	4.53 m

Describer(s): Hamon / Potts / Khanna

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		foliaceous coral + CCA + microbialite foliaceous coral + CCA + microbialite bioclastic.	Fi 6	Unconsolidated bioclastic				Unconsolidated Bioclastic with few foliaceous coral + shell fragments
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

Potts (Sed)

Potts (Sed)

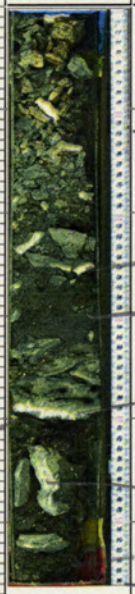
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	4 R	1	4.77 m	5.33 m

Describer(s): Hemon | Pattle | Khanna

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0			L1	Fill				Fall in Sed. with CCA+microbialite clasts
10								
20		Laminae Porites with microbialite Unconsolidate bioclastic		Conglom. Microbial Boundstone				Conlgal Microbial boundstone with Laminar Coids with thin CCA + microbialite
30								Matrix - bioclastic.
40		Laminar Coral with CCA + microbialite	F-2					
DAT		Laminae Coral with CCA+ microbialite						
50		+ Echinoid spine						
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	5 R	1	16.86 m	17.27 m

Describer(s): Haman | Poth | Khanna

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Coral clasts	F-2	Conglom Microbialite boundstone				Conglom Microbialite - Boundstone.
10		laminar Pointed + thin CCA + microbialite						with laminar Long fragments centim thick CCA + microbialite + bioclastical - unconsolidated matrix at base.
DAT								
20								
30		bioclastical + Microbialite clast						
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

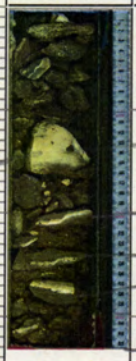
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	6 R	1	17 m	17.33 m

Describer(s): Hamon | Potts | Khanna

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Broken coral clasts	L1	Conglomerate Microbial Boundstone				Conglomerate Microbial Boundstone with abundant Laminar Porites with one branching Porites with CCA.
10		Branching Porites + CCA						
DAT 20		Laminar Porites						
		Laminar Porites						
		Laminar Porites						
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

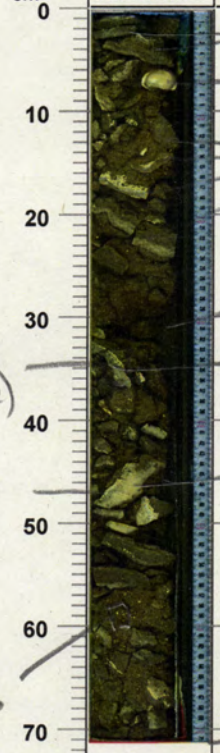
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	7 R	1	17.45 m	18.16 m

Describer(s): Hamon | Potts | Khanna .

Date: 22-2-2024



cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Laminar Coral Branching Porites + CCA						Coralgal–Microbial boundstone –
10		Laminar Corals		Coralgal – Microbial – Boundstone				abundant laminar Porites + one
20								branching Porites.
30		Bivalve						
Potts (Core)		Laminar Coral	4 - 2					+ unconsolidated bioclastical Matrix.
40								
DAT		Laminar } Laminar Corals.	4					
50								
60		} unconsolidated bioclastical Matrix (Shell fragments)						
Potts								
70								
80								
90								
100								
110								
120								
130								
140								
150								

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	8 R	1	18.07 m	18.31 m

Describer(s): Homon / Potts / Khanna

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Altered Coral fragment.	1	Coralgal Microbial boundstone				Coralgal-microbial boundstone with
10		Contrast Coral fragments (Porites + other species) + thin CCA	Li					laminae to branching Coral clasts with
20		Branching Porites + CCA + microbialite						thin CCA + microbialite
DAT								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

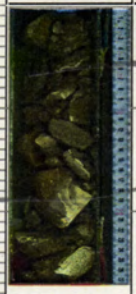
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	9 R	1	18.37 m	18.64 m

Describer(s): Howon | Potts | Klanna

Date: 24-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Lamina coral coral clasts Branching Porites altered + echinoid spine embedded in microbialite	Li2	Coralgal Mixed Boundstone Coralgal Framestone				coralgal microbial boundstone with branching to laminar coral clasts with + Thin CCA + microbialite
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

DAT

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	11 R	1	18.88 m	19.31 m

Describer(s): Hamon | Potts | Khanna

Date: 22-2-2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Abundant laminar Porites + thin CCA + microbialite + biodetrital matrix	Li2	Corals and Microbialite Bdst				Coralgal - Microbial Boundstone with abundant laminar Porites ± thin CCA + microbialite + biodetrital
30		Branching Porites + thin CCA + microbialite, + biodetrital matrix	Li2	Corals and Microbialite Bdst				Coralgal-microbial boundstone with abundant Branching Porites with thin CCA + microbialite + biodetrital matrix
150								

DAT

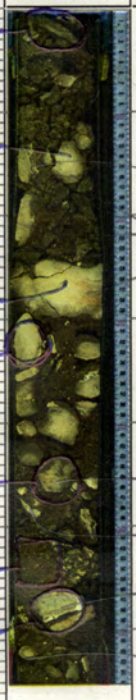
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	12 R	1	19.2 m	19.85 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0	microbialite						
10	VERY DISTURBED		coralgal - microbialite bst.				fragmented coral (Porites) (10YR 8/2)
20	PORITES? (EN) IS						
30	PORITES (MOSTLY BR?) IS	F2					CCA-crusts thin, with vermetids
40	PORITES (BR) IS*						microbialite crusts, brown stromatolites (10YR 6/2)
50	CORAL IS??						
60	AGARICIIDAE? IS??						'matrix': brown sand (10YR 5/4)
70	PORITES (BR) IS						
80	PORITES (BF) IS?						
90	* MICROBIALITE CRUSTS ON TOP OF CORAL BR. → IS OPEN FRAMEWORK LATER FILLED WITH FINE SAND?						
100							
110							
120							
130							
140							
150							

DAT

DAT

POTT

POTT

RENE

BRAG

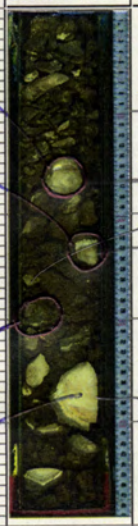
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	13 R	1	19.87 m	20.36 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		HIGHLY DISTURBED	F2	coralgal-microbial. bst.				fragmented coral
10		Porites AGARICIIDAE ISN						thin CCA.-crusts
20		Porites PORITES (BR) IS?						
30								thin stromatolite microbialite crusts
40		Porites						
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

POTT

BRAG

microbialite

DAT

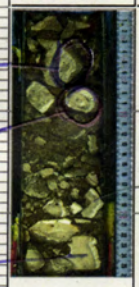
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	14 R	1	20.33 m	20.59 m

Describer(s): Giustiches, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		FRAGMENTED PORITES (BR?) IS?	F2	coralgal - microbialite bst.				fragmented coral (Porites)
10		PORITES (PL?) IS?						thin CCA - crusts with vermetids
20								
30								thin stromatoporoid microbialite crusts
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

microbial.

BRAG

DAT

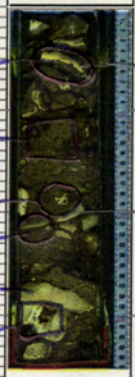
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	15 R	1	20.8 m	21.15 m

Describer(s): Gilbert, Humbert, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								
microbial.		PORITES (PL) ISN	F0	full-in				fragments of microbialite
10								
RENE								
?ASAM		PORITES (PL) IS?	F2	coralgal – microbialite bst.				- fragmented coral
° POTT								
DAT		PORITES (BR?) IS?						- CCA-crusts with vesmetids
30 BRAG								- Stromatoless microb. Crust
40								- matrix : brown bioclastic sand
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

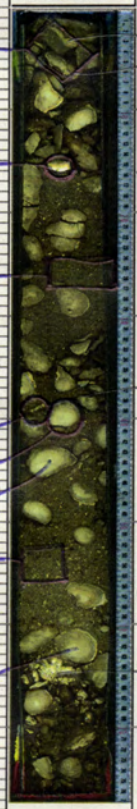
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	16 R	1	22.34 m	23.11 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024



cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								
microbial.		LEPTOSERIS (FOL/PL) ISN	F0	fall-in				fragments of coral, microbialite
10		HIGHLY DISTURBED						
BRAG								
20				coralgal microbialite bst.				branched Porites coral
RENE								
30								thin CCA-crusts
		LEPTOSERIS (FOL) ISX						
40								
POTT								
DAT		PREDOMINANTLY POLITES (BR) IS?	F2					thin structureless microbialite crusts
50								
POTT (SED)								matrix = bioclastic brown sand
60								
		THICK CCA CRUST						
DAT								
70								
80								
90								
100								
110								
120								
130								
140								
150								

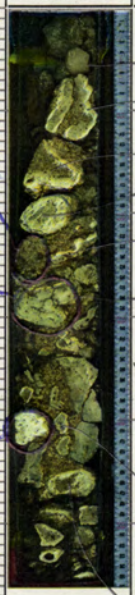
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	17 R	1	25.1 m	25.66 m

Describer(s): Gilchrist, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		Porites ISX	F6	unlithified bioclastic				fragmented coral
10		Porites (pl?) ISX						
		Pavona ISX very bioeroded						thin CCA crusts
20		Leptoseris? (fol) ISX						thin stromatolite microbialite crusts
		Pavona (br) ISX bioeroded						
30		matrix						
		Porites ISX						matrix brown sediment (sand)
40		Pocillopora ISX						
50		encr. echinoid spine						
60		Pavona ISX (very altered)						
70								
80								
90								
100								
110								
120								
130								
140								
150								

BRAG

RENE (SED)

POTT

BRAG

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	18 R	1	25.7 m	25.8 m

Describer(s): Giscles, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		SEVERAL PIECES OF PORITES	F0	Fall-in				fragments of coral and microbialite

microbial

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

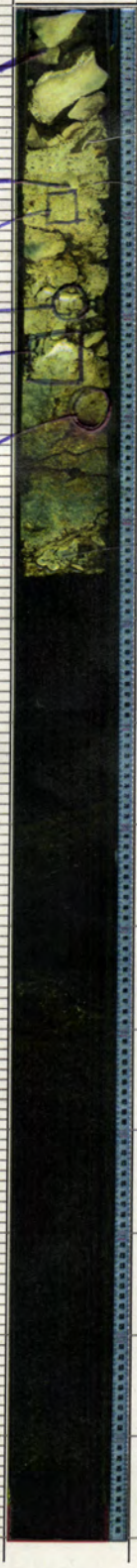
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	19 R	1	28.1 m	29.6 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0	PORITES FRAG^{S} ISN	F0	rubble				fragments of coral
10	LEPTOSERIS (FOL) ISN						
	PORITES (LM) ISX?						- fragmented ~~coral~~ coral
20	PORITES CLASTS ISX						- thin CCA crusts
30		F6	unconsol. biodetrital				- matrix: biodetrital sediment
40	PORITES (M) ISX? coral altered						
50	ACROPORA ! ISX						
60							basalt:
70							- aphanitic groundmass
80	bubbles filled with carb. sed.						- crystallinity aphyric
90							- bubbles round, coalescing;
100	see above	F9	basalt				size increases downcore, some sediment infill in bubbles
110							
120							
130							
140							
150							

Microb. on coral branch

DAT

RENE

BRAG

DAT

10 + K + D

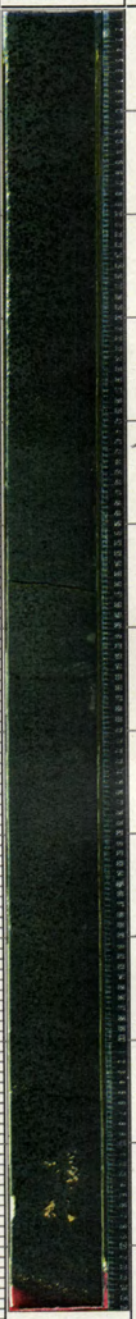
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	19 R	2	29.6 m	30.86 m

Describer(s): Giguere, Humblet, Braga

Date: 23 Feb. 2024



cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								
10								basalt
20								~~aphanitic groundmass~~,
30								crystallinity aphyric,
40								bubbles large and small,
50			F9					round and coalesced.
60				basalt				
70								
80								
90								
100								
110								
120								
130								
140								
150								

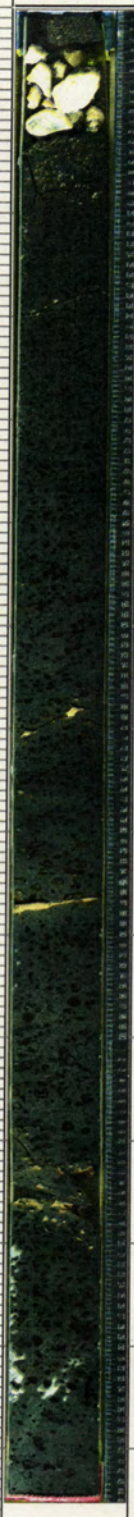
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	20 R	1	30.85 m	32.3 m

Describer(s): Gischler, Humblet, Brega

Date: 23 Feb. 2024



cm

0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150

img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
		F9	fall-in				fragments of branched coral with clast- and microb. crusts
							basalt ~~aphanitic groundmass~~ aphyric crystallinity bubbles mm- to cm-sized, round, coalesced
	← mineral carb. sed. infill in crack	F9	basalt				
	← s.a.						
	← s.a.						

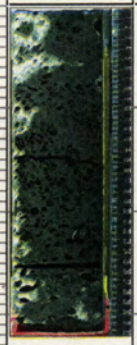
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	20 R	2	32.3 m	32.62 m

Describer(s): Grischke, Mumblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0			F9	basalt				basalt: aphanitic groundmass aphyric bubble up to cm-sized, coalesced
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

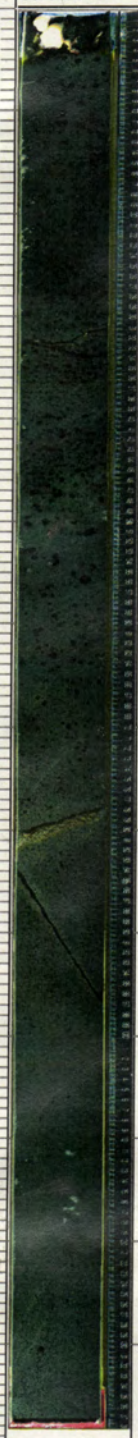
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	21 R	1	32.48 m	33.86 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		large bubbles	F8	fall-in				basalt ~~aphanitic groundmass~~ aphyric bubbles large and ~~round in upper part~~; small in lower part
10								
20								
30								
40								
50								
60			F9					
70				basalt				
80								
90		small bubbles						
100								
110								
120								
130								
140								
150								

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	21 R	2	33.86 m	34.29 m

Describer(s): Gibson, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								
10			F9	basalt				basalt
20		layers with large bubbles						phaneritic - groundmass aphyric
30								very small bubbles
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

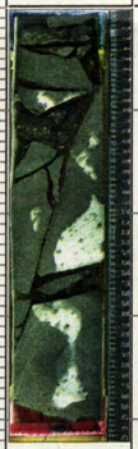
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	22 R	1	34.19 m	34.61 m

Describer(s): Gisclon, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0–150			F9	basalt				basalt phaneritic ground mass aphyric no bubbles

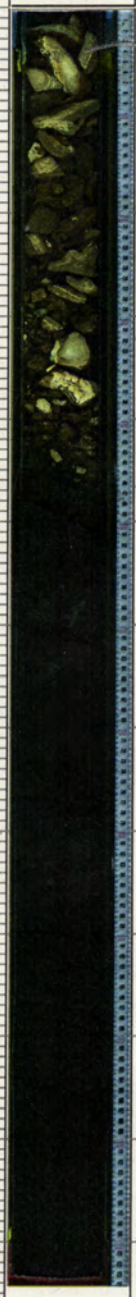
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	23 R	1	34.58 m	35.82 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024



LEPTOSERIS? (PL)

PIECES OF PL AND FOL, BR PORITES

small area with larger bubbles

cm	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0–50	FD	fall-in				fragment of coralgal-microbialite facies
50–70						basalt:
70–80	FG	basalt				phaneritic groundmass aphyric (very few green crystals)
80–120						very small bubbles

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	24 R	1	35.3 m	36.76 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0						////		
10		large coalesced bubbles in aphanitic basalt						basalt groundmass phaneritic crystallinity aphyric (very rare crystals)
20								
30								
40								very small bubbles
50								
60			F9	basalt				
70								
80								
90								
100								
110								
120								
130								
140								
150								

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	24 R	2	36.76 m	37.64 m

Describer(s): Gilchrist, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								
10								basalt with phaneritic groundmass;
20								as above
30								
40			F9	basalt				crypt, aphyric
50								very small bubbles
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

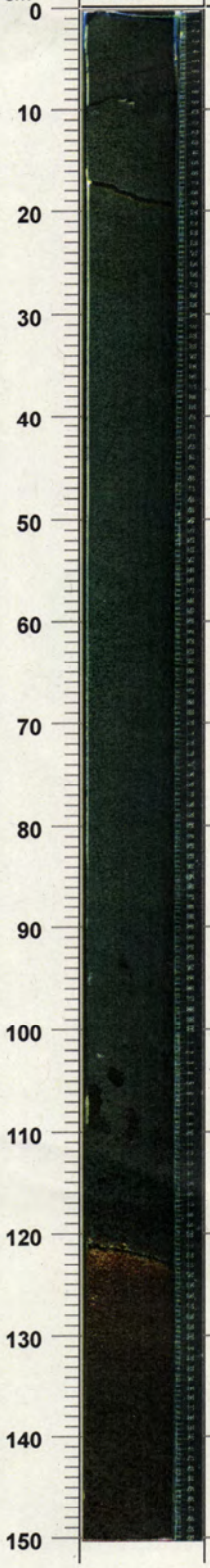
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	25 R	1	37.61 m	39.11 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0							Basalt
10							groundmass: aphanitic
20							crystallinity: athyric
30							bubbles small
40							
50							
60							
70		F9	Basalt				
80							
90							
100							
110	large bubbles; bubbles become larger (1–2 mm ϕ)						
120							
130	REDDISH STAINING						5R 2/2
140							
150							

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	25 R	2	39.11 m	40.37 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0								
10								basalt (5R 2/6)
20								groundmass phaneritic
30								crystallinity aphyric
40								many large, cm-sized coalescing bubbles,
50			F9	basalt				density decreases downhole
60								
70		} sediment infill, two generations						
80								
90								
100								
110								
120								
130								
140								
150								

Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	26 R	1	40.38 m	41.88 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0		minor sediment infill	F9	basalt				basalt = groundmass phaneritic crystallinity aphyric large, cm-sized, elongate and coalesced bubbles
10								
20								
30								
40								
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								

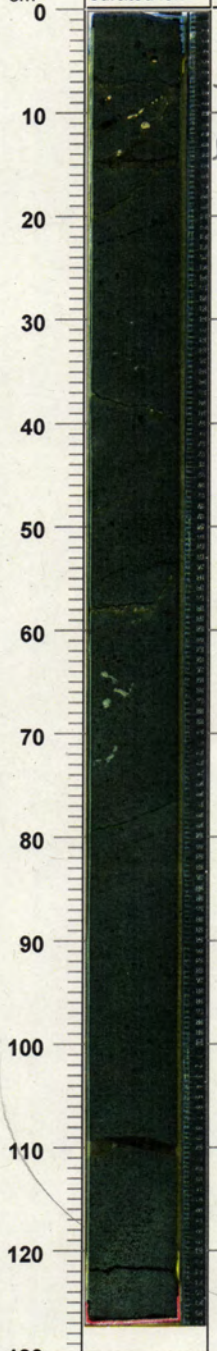
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	26 R	2	41.88 m	43.15 m

Describer(s): Gischler, Humblet, Braga

Date: 23. Feb. 2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0							
10	minus sediment infill						
20							basalt
30							- phaneritic groundmass
40							- crystallinity aphyric
50							- bubbles numerous/round (↑ small)
60	minus sediment infill	F9	basalt				
70							
80							
90							
100							
110							
120							
130							
140							
150							

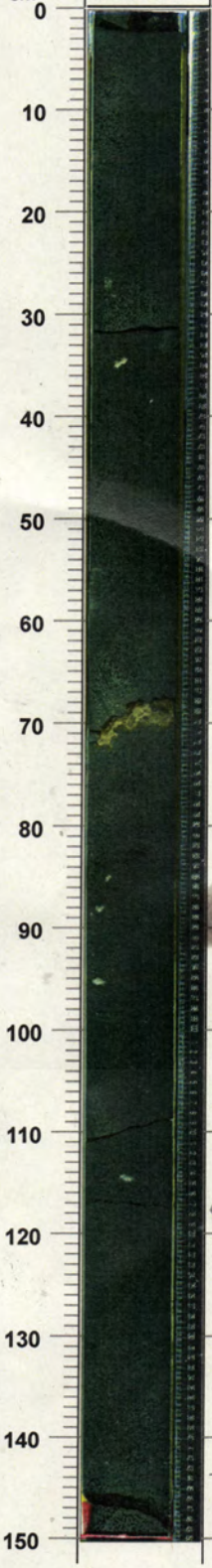
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	27 R	1	43.14 m	44.64 m

Describer(s): Gischler, Humblet, Braga

Date: 23 Feb. 2024



cm	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Description
0				
10				
20				
30				
40				basalt
50				groundmass phaneritic
60		F9	basalt	crystallinity aphyric
70				many small bubbles
80				
90				
100				
110	← line of bubbles			
120				
130				
140				
150	↓ LARGER BUBBLES (~1 mm ϕ)			

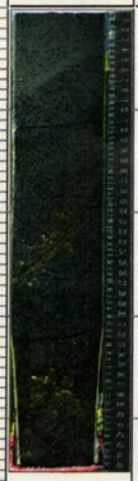
Hawaiian Drowned Reefs

ONSHORE VISUAL CORE DESCRIPTION

Expedition	Site	Hole	Core	Section	Top depth (CSF-B)	Bottom depth (CSF-B)
389	M101	B	27 R	2	44.64 m	45.09 m

Describer(s): Gaschk, Humblet, Braga

Date: 23 Feb. 2024

cm	img len = curated len	Corals / Fossils	Litho Unit/ Facies	Major Lithol.	Mineral.	Core Distur.	Biotur.	Description
0			F9	basalt				groundmass aphanitic
10								
20								
30								crystallinity aphyric
40								bubbles: round, mm-sized
50								
60								
70								
80								
90								
100								
110								
120								
130								
140								
150								